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WEST COAST FISHING COMMUNITIES SOCIO-ECONOMIC DATA MODEL: TECHNICAL DOCUMENTATION AND GUIDELINES FOR USE

Aaron Mamula¹, Camille Kohler², Rosemary Kosaka¹, Anna Varney³, and Karma Norman⁴

¹ NOAA Fisheries, SWFSC Fisheries Ecology Division
110 McAllister Way, Santa Cruz, CA 95060

² neXus Data Solutions, LLC /
Pacific States Marine Fisheries Commission

³ NOAA Fisheries, Northwest Fisheries Science Center

⁴ NOAA Fisheries, NWFSC Conservation Biology Division

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West Coast Fishing Communities Socio-Economic Data Model: Technical Documentation and Guidelines for Use

Aaron Mamula: NOAA Fisheries Southwest Fisheries Science Center, Fisheries Ecology Division

Camille Kohler: neXus Data Solutions, LLC/Pacific States Marine Fisheries Commission

Rosemary Kosaka: NOAA Fisheries Southwest Fisheries Science Center, Fisheries Ecology Division

Anna Varney NOAA Fisheries Northwest Fisheries Science Center

Karma Norman NOAA Fisheries Northwest Fisheries Science Center, Conservation Biology Division

Abstract

Fisheries social scientists concerned with assessing the human dimensions of ecological and regulatory change often rely on large amounts of public data from diverse sources. Here, we document the creation of a centralized data mart and related online reporting environment meant to simplify access to important socio-cultural, demographic, and economic data. Over 300 individual data series on population structure, socio-economic status, educational attainment, housing characteristics, income distribution, and employment dynamics have been collected for fishing communities along the U.S. West Coast. These data have been warehoused within the Pacific Fisheries Information Network (PacFIN). Interactive, online reports hosted by PacFIN provide access to these data for West Coast fisheries scientists and managers.

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1 Introduction

NOAA Fisheries conducts social science research across a diverse range of topical areas in support of the overall mission to conserve and manage coastal and marine ecosystems and resources. Within the West Coast Region, social science research programs at NOAA's Northwest Fisheries Science Center (NWFSC) and Southwest Fisheries Science Center (SWFSC) focus on the human dimensions of fisheries management and dynamic linkages of human uses of marine resources within the California Current Large Marine Ecosystem (CCLME)¹. Here, we document the development of a socio-economic data model and related online reporting tools, which were created to support socio-economic research and ecosystem based fisheries management along the U.S. West Coast.

Human dimensions research conducted by NOAA social scientists often requires supplementing existing data on commercial and recreational fishing with socio-cultural, demographic, and economic data series from agencies and data collection programs outside of NOAA Fisheries. Retrieval and management of data from these extramural sources has historically been done by individual researchers on a project-by-project basis. Our project directly addresses two undesirable features of this status-quo. First, bringing together socio-economic data from different sources often means dealing with non-uniform data sets defined on different spatial or temporal scales. Significant data pre-processing effort is often required to make data sets conformable. Second, some commonly used sources of data, such as the Census Bureau's American Community Survey, are not optimized for batch retrieval making it difficult and time consuming to gather multiple data series for multiple geographic units over multiple time-periods. Having commonly used data sets managed separately by individual research teams leads to replication of effort.

Our project aims to support social science research related to NOAA Fisheries' West Coast operations by improving access to important data series. We approach this overarching goal by (i) creating a socio-economic data mart within the Pacific Fisheries Information Network (PacFIN) database and (ii) using this data mart to source a series of online, interactive reports. For ease of reference we label the two interconnected features of this project the *West Coast Fishing Communities Socio-Economic Data Model*. A 'data model' is generally regarded to be an abstract concept that organizes elements of data and defines their relationships with one another. In our case, the data model defines elements of socio-cultural, demographic, economic, and behavioral data important to socio-economic analysis of West Coast fishing communities, and standardizes the relational features of these data. There are two products that originate from the data model. Again, for ease of reference, we label these the *West Coast Fishing Communities Socio-Economic Data Mart* (the data mart) and the *West Coast Fishing Communities Socio-Economic Data Hub* (the data hub).

¹ The CCLME is a high productive coastal ecosystem spanning an area from southern British Columbia to Baja, California (<http://www.noaa.gov/iea/regions/california-currentregion/index.html>). Social science research conducted by NOAA scientists and partners crosses many disciplinary boundaries (economics, cultural anthropology, political science) and focuses on a variety of social aggregations (fishing fleets, fishing communities, tribal groups, etc.). The primary unifying feature of social science research conducted with NOAA support on the U.S. West Coast is its focus on the human dimensions and activities within the CCLME social-ecological system (Breslow et al., 2016).

The data mart uses automated procedures to source data from The U.S. Bureau of Economic Analysis (BEA, 2019), The U.S. Census Bureau's Decennial Census (Census, 2000; Census, 2010), and the U.S. Census Bureau's American Community Survey (Census 2009 – Census 2017). These data are warehoused in a series of database tables and views in the PacFIN database.

The data hub provides access to online, interactive reports built from tables and views in the data mart. The Interactive reports were developed in order to expand access to users across a broad range of data wrangling skillsets.

This manuscript will demonstrate several features and benefits of the coupled socio-economic data mart and data hub. First, centralizing these data promotes consistency and reproducibility of important social science research relating to NOAA Fisheries' West Coast priority areas. Housing the data in the PacFIN database ensures access for researchers across various NOAA Fisheries offices and affiliated partners along the West Coast (NOAA West Coast Region, SWFSC, NWFSC, Pacific Fishery Management Council (PFMC) Staff). Housing the data in PacFIN also offers researchers 'one-stop shopping' as commercial and recreational fishing data commonly used in socio-economic analysis are typically obtained from the PacFIN database.

Second, the data mart supports methodological advances by reducing the burden of data collection and data wrangling. In particular, the automated data updating procedures allow the data mart to be quickly updated as new data becomes available. This can be particularly important for users of data series available through the American Community Survey. This survey is conducted annually and researchers routinely use 90 – 100 unique data series measured over thousands of distinct geographic units. Our data model substantially simplifies the process of getting updated and consistent data.

Finally, the data hub can function either as an analytical tool or as an access point for the data. Through the online platform users can filter data by time period, geographic unit, data series, or data source. This makes the reporting environment particularly useful for fisheries managers wishing to include important metrics of community health in policy discussions. Interactive reports also simplify exploratory data analysis by allow for the pivoting and summarizing of data series.

The remainder of this manuscript is organized as follows. In Section 2 we provide in-depth discussion of the data sources and individual data series that define the data mart. Section 3 presents the two methodological features of our project: data warehousing and online reporting. In Section 4 we provide some sample applications for the data model.

2 Data sources and data series

The primary data series populating the *West Coast Fishing Communities Socio-Economic Data Mart* come from four sources: The U.S. Census Bureau's American Community Survey (ACS), The U.S. Census Bureau's Decennial Census, The U.S. Bureau of Economic Analysis (BEA), and The Pacific States Marine Fisheries Commission's (PSMFC) Commercial Landings Database.

2.1 The American Community Survey

The ACS is an annual survey conducted by the U.S. Census Bureau. Fisheries social scientists throughout the U.S. have used responses from the ACS to quantify the population composition, housing characteristics, employment opportunities, educational attainment, and income distribution of coastal and fishing dependent communities (Jepson and Colburn, 2013; Himes-Cornell and Kasperski, 2015; Himes-Cornell and Kasperski, 2016). Social scientists from NOAA's NWFSC and SWFSC rely on data from the ACS to track the overall health and wellbeing of West Coast fishing communities throughout the California Current Large Marine Ecosystem (see Norman et al. 2014).

We worked with researchers from the NWFSC, SWFSC, and the Alaska Fisheries Science Center (AFSC) to identify ACS data series used in prior and ongoing construction of indicators of fishing community well-being. We also reviewed peer-reviewed and gray literature to identify ACS data series that have informed prior fisheries social science research specific to the West Coast region. In addition to identifying data series with a specific current or projected purpose, we asked social scientists from SWFSC, NWFSC, AFSC, and WCR for "wish list" data items. This solicitation was meant to capture data series that researchers thought might be useful for future applications. Our goal was to centralize a comprehensive collection of ACS data series that social scientist in the region either (i) currently used in their work or (ii) anticipated using in future work.

The result was a list of 250 distinct data series. These data series can be segregated into two groups that we label 'production' variables and 'supporting' variables. Production variables are those data series that are currently available in at least one of the interactive reports. Supporting variables are those that are stored in the data mart but used primarily to construct a metric appearing in one of the online reports. ACS data series in the 'production' group include 113 series that were identified as primary data used in previous indicator construction. Because of its large size, the full list of ACS data series and their groupings are included in Appendix Table C 1. This table includes the additional fields ACS Class and PACFIN Class. The variable classes are discussed in more detail in Section 3 but, for now, it is sufficient to understand that the ACS CLASS label corresponds to a high-level grouping used by the Census and the PACFIN CLASS label is a slightly more disaggregated class label assigned by the authors to facilitate use in social science research.

In the interest of reproducibility, we have also included the Census Bureau API URL links used to retrieve data series from the ACS. These links are provided in Appendix Table C 2. Users will note that there is some repetition among metric descriptions. This results from changes the Census Bureau has made to its API over time which, in some instances, required creation of new metrics measuring the same quantity as existing metrics from previous years.

2.1.1 Spatial scale of the ACS data

All ACS variables in the data mart are available at the county level and at the level of Census Designated Place (CDP)² for counties and CDPs in Washington, Oregon, and California. The data mart contains ACS data series for over 3,000 CDPs. Location data for CDPs by state can be viewed online and downloaded using the ACS National Vulnerability Indicator (ESS004) report available from PacFIN's APEX Reporting System Hub³. ACS data series are available for all 133 counties in Washington, Oregon, and California.

We recognize that there are ongoing discussions among social scientists about the relationships between physical geographic units such as CDPs and counties and conceptual definitions of 'measures of place.' For this project we have relied heavily on prior empirical social science research to define the geographic resolution of the data mart.

2.1.2 Temporal scale of the ACS data

Consistent with prior fisheries research leveraging ACS data, we used the ACS 5-year estimates. The ACS is conducted annually but, due to difficulties in sampling small populations, 1-year estimates are only considered reliably precise for units with populations of at least 65,000. Many of the U.S. West Coast fishing communities of interest to social scientists are contained within CDPs with populations considerably smaller than 65,000. For this reason, and in accordance with general practice among West Coast fisheries social scientists, we use the ACS 5-year estimates (Census, 2018). ACS data series contained in the data mart are available annually from 2009 – 2017. Each annual data point is a 5-year average including the current year value plus the four previous years.

2.2 Decennial Census

The primary source of socio-cultural data in our data mart is the ACS. However, we also include 60 data series from the Census Bureau's Decennial Census. Decennial Census data series names and descriptions are shown in Appendix Table C 3.

2.2.1 Spatial scale of the Decennial Census data

Data series from the Decennial Census are available at two distinct levels of spatial precision. The data are available at the county level for counties in Washington, Oregon, and California. The data mart also provided Decennial Census data series at the CDP level. It is worth emphasizing here that the spatial scale

² More detailed discussion of CDP as a measure of place is available in Ratcliffe (2018) and ESRI (2018).

³ PacFIN's APEX online reporting system can be accessed here: <https://reports.psmfc.org/pacfin/?p=501:1000:.....>

and extent of the Decennial Census data is the same as the spatial scale and extent of the ACS data discussed in Section 2.1.1.

2.2.2 Temporal scale of the Decennial Census data

The database contains data series from the Decennial Census years of 2000 and 2010. All metrics for the Decennial Census are point-in-time estimates from either 2000 or 2010.

2.3 Bureau of Economic Analysis

County level employment and compensation by industry from the BEA has a long history of use in empirical economics and regional science. County level data from the BEA has been used to evaluate factors affecting regional economic growth (Higgins et al., 2006; Strobl, 2011), the employment impacts of regulatory policy (Kahn and Mansur, 2013), and changes in the spatial distribution of economic activity (Desmet and Fafchamps, 2005). These data also support regional economic impacts modeling done through the popular REMI⁴ software, which has been leveraged extensively to evaluate local economic effects of environmental policy (Lieu, 1991; Rose et al., 2011, Rose et al., 2012). Driven by NOAA Fisheries' interests along the West Coast, county-level data from the BEA has informed multiple studies on the employment impacts of salmonid habitat restoration actions (Sunding et al., 2011; Speir et al., 2015). Improving understanding of regional labor dynamics, particularly in the agricultural sector, as they relate to freshwater management practices and salmon habitat provision is an active area of socio-economic research within the SWFSC. The inclusion of BEA's county-level employment and income data into our data mart is intended to support this ongoing research.

Data on personal income, employment by industry, and compensation by industry are taken from the BEA's Local Area Personal Income and Employment tables (LAPI) (BEA, 2019). In Table 1 we provide a summary of the BEA data tables used to populate the data mart. The column "Metric Count" in Table 1 indicates the number of individual data series in the data mart that are sourced from each BEA table.

The individual data series and their descriptions are shown in Appendix Table C 4 through Appendix Table C 10 Appendix C. The API links used to retrieve BEA data series are include in Appendix Table C 11. Note that, because the BEA used Standard Industrial Classification (SIC) codes until 2000 and the North American Industry Classification System (NAICS) after 2000, employment by industry comes from two distinct data source tables (CA25 and CA25N) and compensation by industry also comes from two distinct BEA tables (CA6 and CA6N). Some inconsistencies can arise due to the switch from SIC to NAICS and we have provided one illustrative example in Appendix A. This is a well-known inconvenience of using the BEA's LAPI data (Pierce and Schott, 2016; Becker et al., 2016; Fort and Klimek, 2018).

⁴ Regional Economic Models Inc., 306 Lincoln Ave., Amherst, MA 01002, <https://www.remi.com/>.

Table 1. Table names and descriptions for data sourced from the Bureau of Economic Analysis.

Table Name	Table Description	Min Year	Max Year	Metric Count
CA1	Personal Income Summary	1969	2016	3
CA25	Total Full-Time and Part-Time Employment by Industry	1969	2000	23
CA25N	Total Full-Time and Part-Time Employment by Industry	2001	2016	33
CA5	Personal Income by Major Component and Earnings by Industry	1969	2000	113
CA5N	Personal Income by Major Component and Earnings by Industry	2001	2016	131
CA6	Compensation of Employees by Industry	1998	2000	99
CA6N	Compensation of Employees by Industry	2001	2016	114

2.3.1 Temporal Scale of the BEA Data

The data mart contains BEA data measured annually. Some of the BEA employment series in our data mart are available as far back as 1969. The majority of the data series are measured annually from 1998 to 2016. The temporal ranges for each individual BEA data series are displayed in Appendix Table C 4 through Appendix Table C 10.

2.3.2 Spatial Scale of the BEA Data

The data mart include data on employment, compensation, and personal income by industry sourced from the BEA at the county level for counties in Washington, Oregon, and California.

2.4 Pacific States Marine Fisheries Commission PacFIN Data

The PSMFC warehouses data on West Coast commercial and recreational fishing from several distinct state and federal data collection programs. These data are stored in existing PacFIN database schema that pre-date our project. However, a key benefit of our data model is its ability to link socio-cultural data from fishing communities to existing data on commercial and recreational fishing activity. For this reason, we briefly review PSMFC commercial fishing data that are sourced in our online reports. Currently, our project sources only commercial fishing data for existing online reports⁵.

Our data model utilizes data for online reporting from the PacFIN database table, Comprehensive_FT (PacFIN, 2016). This table combines information from landings receipts (fish tickets), commercial fishing permits, and vessel registries⁶. The resulting comprehensive table includes a thorough accounting of all West Coast commercial fish landings along with value added fields indicating the number and types of permits held by the fisherman, the characteristics of the vessel, the gear used to harvest landed fish, and the fishery sector to which each landing has been assigned.

These data have been used extensively by fisheries researchers on the West Coast to inform a wide range of policy relevant research. Ecologist and biologists have used fish ticket data to model fishing mortality of selected species for stock assessments (Hastie and Bellman, 2006; Bellman and Heery, 2010; Bellman and Heery, 2013). Social scientists have used fish tickets to evaluate impacts of policy change on individual and fleet behaviors (Wilcox and Pomeroy, 2003; Watson and Johnson, 2012; Holland et al., 2017), as well as evaluating the nature and extent of fishing dependence among coastal communities (Norman et al., 2007; Poe et al., 2015). Currently, aggregated landings from the Comprehensive_FT table are used to measure commercial fishing reliance and dependence for port areas along the West Coast. The Commercial Fishing Reliance metric is an important indicator of the human wellbeing component of overall ecosystem health. It is published and updated annually by NOAA as part of an effort to track the status of, and trends in, the CCLME⁷.

2.4.1 Spatial scale of the Comprehensive_FT data source

The primary spatial unit used in the Comprehensive_FT data table to assign commercial fish landings to location is a port or port area. The Comprehensive_FT table includes several other location fields such as management areas and states but these lower resolution units can be derived from the port code assigned to each landing. Port codes often correspond to a single port where commercial fish landings were made. However, it is important to emphasize that port codes can also refer to aggregates of ports⁸. For example,

⁵ Ongoing efforts are focused on integrating recreational fishing data into the data model. We hope to discuss these additions in an update.

⁶ Sampson and Crone (1997) provide a thorough discussion of West Coast commercial fishery data collection and management including the structure of “fish ticket” data and their storage within the PacFIN system.

⁷ Indicators contributing to the California Current Integrated Ecosystem Assessment can be viewed online at: <https://www.integratedecosystemassessment.noaa.gov/regions/california-current/cc-indicator-status-trends>

⁸ Port code values and port names are available online at: http://pacfindev.psmfc.org/pacfin_pub/data_rpts_pub/code_lists/agency_ports_peid.txt.

in Mendocino County, CA, PacFIN identifies the individual ports of Albion, Point Arena, and Fort Bragg with the port codes ALB, ARE, and BRG. PacFIN also identifies an aggregate of other Mendocino County ports with the port code OMD.

2.4.2 Temporal scale of the Comprehensive_FT data source

The temporal unit of observation for the Comprehensive_FT data table is the date, recorded as the day, month, and year of each landing. The data are available as far back as 1981 and are updated continuously. It is worth noting that the Comprehensive_FT table have over 100 fields. Each row in the table corresponds to a unique combination trip characteristics (vessel identifier, return date, gear type) and species and disposition of catch. So, while a particular fishing trip will generally have only a single landing date, each fishing trip may be represented by several rows in the table. Appendix B provides additional detail on the structure of the Comprehensive_FT table.

3 Methods

The goal of this project is to support fisheries social science research and analysis on the West Coast by simplifying access to important fishing community-level data. We achieve this goal through the creation of the coupled *West Coast Fishing Community Socio-Economic Data Mart* and *Data Hub*. In this section, we address each of these elements individually. We first discuss the retrieval and management of important data series. This portion describes the population and organization of the data mart. Then we provide additional detail on the interactive, online reporting environment (the data hub).

3.1 Data warehousing

The PacFIN database is organized into schema that contain related collections of database tables and views. Our project created a new database schema, which stores the 42 individual tables and views that contain the raw data series making up the *West Coast Fishing Community Socio-Economic Data Mart*. These tables and views are summarized in Appendix Table C 12.

3.2 Data retrieval and updating

A particularly beneficial feature of our project is that data are updated through an automated process. As mentioned in Section 2, social science research related to fishing communities often leverages many distinct data series on housing characteristics, socio-economic status, educational attainment, and population structure. Some applications require these data for thousands of distinct geographic units of interest. The time cost of updating ACS, Census, and/or BEA data for hundreds of metrics over thousands

of geographic designations using online query tools represents a real barrier to community-level socio-economic analysis.

Our project addresses this potential barrier to fisheries social science research by using stored procedures that access data series through API's maintained by the Census Bureau and BEA. The Extract, Transform, Load (ETL) process can be summarized as follows.

We developed a PL/SQL procedure that utilizes the Oracle library, UTL_HTTP (Oracle, 2014) to download data from secure APIs at the Census Bureau and Bureau of Economic Analysis. The procedure pulls data from these source APIs into PacFIN in Java Script Object Notation (JSON) formatted files that are loaded as Character Large Objects (CLOBs) into temporary tables. The temporary tables are parsed via stored PL/SQL procedures and processed inside of PacFIN.

A step-by-step example for the Census Bureau's ACS API is illustrated in Figure 1. The steps for this ETL process include:

1. Generate the metadata table that defines the required metrics by year and geographic identifier (i.e. place or county)
2. Build out metadata for derived metrics that are not available in the API
3. Use functionality from the UTL_HTTP library that loops through metrics and loads them as CLOBs into an ACS temporary table.
4. Use JSON parse methods to breakdown the CLOB and load into a base ACS table
5. Run derivation methods that calculate additional metrics from raw data
6. Refresh materialized view(s) that deliver final source of ACS metrics with the newly derived metrics.

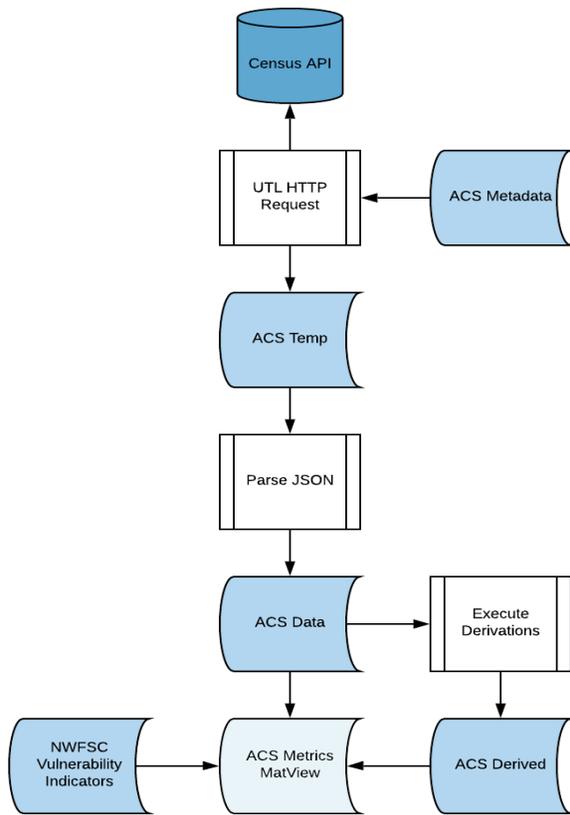


Figure 1. Illustration of the ETL process for retrieving and storing data from the ACS API.

3.3 Data organization

Our data model is built on the following logic. Primary data series obtained from the Census Bureau (either the ACS or Decennial Census) and BEA are loaded into fact tables. These facts join to a time and location. Location dimension views define how counties, CDPs, and fishing ports relate to one another. Facts are organized by location (Figure 2) and location dimensions facilitate joining of facts to all location dimensions for reporting.

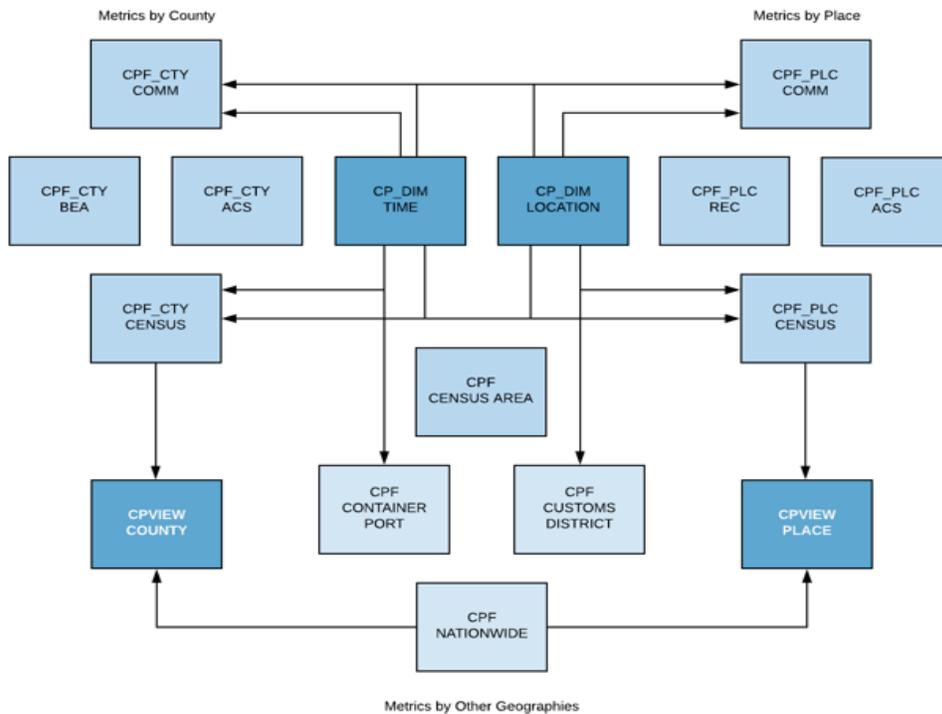


Figure 2. Relational structure of the *West Coast Fishing Communities Socio-Economic Data Mart*

In addition to organization according to the inherent properties of primary data series, our data model establishes three value added groupings for facts. The fields ACS Class, PacFIN Class, and NWFSC Class are grouping variables that help facilitate the aggregation of facts into indicators of interest to social scientists.

The ACS Class label denotes how data series are organized by the U.S. Census Bureau. The use of this grouping variable in our data mart relates to high level search terms used to locate individual data series within the Census Bureau’s ACS API.

The PacFIN Class label is a grouping assigned by the authors to facilitate quick identification of indicators contributing to the Community Social Vulnerability Index (CSVI) components: Personal Disruption Index, Population Composition Index, Poverty Index, Labor Force Structure Index, and Housing Characteristics Index.

Finally, the NWFSC Class label is an additional grouping assigned by the authors to aid in construction of CSVI indicators. The NWFSC Class label is defined across the values of the various CSVI components listed above: Housing Characteristics Index, Labor Force Structure Index, Personal Disruption Index, Population Composition Index, and Poverty Index. The NWFSC Class label also include two additional designations for ACS metrics: Natural Resource Labor Force Index and Wealth and Education Index. The relationships between ACS Class, PacFIN Class, and NWFSC Class groupings are illustrated in Appendix Table C 13.

3.4 The data hub

The individual data series discussed in Section 2 are stored in database tables and views in a schema in the PacFIN database. We refer to this collection of tables as the *Fishing Communities Socio-Economic Data Mart*. Tables in this data mart are used to source a series of interactive, online reports that we refer to as the data hub. A high level summary of these reports is provided in Table 2. For clarity, the remainder of this document will reference online reports from the data hub using the Report Identifier from Table 2.

Table 2. Online reports available as part of the *West Coast Fishing Communities Socio-Economic Data Hub*.

Report Name	Report Identifier	Description
ACS 5-Year Estimates - by County	CEN001	Provides an interactive view of county level data from the American Communities Survey from 2009 - 2017
ACS 5-Year Estimates - by Place	CEN002	Provides an interactive view of CDP level data from the American Communities Survey from 2009 – 2017
Community Metrics - by Place	ESS002	Provides a view of ACS data series and commercial fishing data used to construct Community Social Vulnerability Indicators and Indicators of community-level commercial fishing reliance. This report allows users to view metrics and indicators over time for a single West Coast fishing community.
ACS National Vulnerability Indicator	ESS004	This report supports NOAA S&T’s social vulnerability mapping tool by organizing component parts of the Community Social Vulnerability Index for fishing communities in Washington, Oregon, and California.

The data mart includes observations on over 400 individual data series measuring community-level social, economic, demographic, and cultural make-up. The volume of data available makes the data mart potentially useful as it can be leveraged across a wide range of social science research related to West Coast fishing communities. The volume can also potentially create barriers to use. In recognition of this fact we created interactive, online reports with two primary goals:

1. Make it easy for experienced data users to get the data they need, and
2. Promote data exploration among users that may lack extensive prior experience working with Census, ACS, and BEA data.

3.4.1 Technical summary of data reports

Interactive reports are created using Oracle’s Application Express Environment (APEX). APEX is a low code environment that allows developers to create reports and applications using templates from a graphical user interface. Our reports were created using themes and templates from the Oracle APEX App

Builder (<https://apex.oracle.com/en/learn/getting-started/app-builder/>) and customized using SQL queries specific to our applications.

3.4.2 Data access and analysis

The key feature of the interactive reports facilitating data access and analysis is that data subsets can be selected by filtering along several dimensions and the table object returned in APEX can be downloaded. While data series can be analyzed inside the APEX environment using a number of basic summary and aggregation functions, we anticipate most users will perform data analysis using external applications (such as R or Python). For this reason we have made data delivery the priority of the data hub.

In Appendix Table C 14 we summarize filtering and downloading options for each report in the *West Coast Fishing Community Socio-Economic Data Hub*. For example, with the report CEN002, users can select any one of or all data values for metrics within one or all of the available ACS or PacFIN Class groupings. The chosen metric(s) can be displayed for multiple years and for multiple CDPs within a single state. The data returned can then be downloaded to a .csv file.

3.4.3 Data reporting

For users wishing to populate external work products (such as manuscripts or PFMC analysis) with community-level data from the data mart, interactive reports offer a number of formatting options to aid in this task. The primary functionalities we anticipate being useful in this capacity are (i) the ability to select columns and (ii) the ability for users to create customized table views using data pivoting. Section 4.2 provides an illustration of customized data reporting through row and column filtering.

4 Sample utilities of the data mart and interactive reports

We expect that the *West Coast Fishing Communities Socio-Economic Data Model* will be an important tool for researchers engaged in a range of empirical social science projects. One application for which the data mart and data hub can provide immediate support is in the assessment of fishing community vulnerability and resilience.

In recent years the Community Social Vulnerability Index (CSVI) has emerged as an important measure of human well-being in coastal communities. Cutter et al. (2003) originally operationalized the concepts of vulnerability and resilience into a quantifiable index. NOAA social scientists and collaborators have adapted this metric for application to coastal and fishing dependent communities through a series of workshops and peer-reviewed publications (Jepson and Jacob, 2007; Jacob et al., 2010; Jacob et al., 2012; Jepson and Colburn, 2013).

NOAA Fisheries currently reports community-level fishing dependence and social vulnerability indicators through multiple platforms. At the national level, NOAA Fisheries Office of Science and Technology hosts a social-indicators mapping tool⁹, which allows users to interactively display social vulnerability and fishing engagement metrics for individual fishing communities. In the West Coast Region, fishing community-level indicators of social vulnerability and fishing engagement are publicly reported through the California Current Integrated Ecosystem Assessment (CCIEA) website¹⁰. In this section, we demonstrate how our *West Coast Fishing Communities Socio-Economic Data Model* support these two important reporting efforts.

4.1 Social vulnerability indicators for selected West Coast fishing communities

Jepson and Colburn (2013, Tables A1-A5) define social vulnerability for fishing communities as a composite of a Personal Disruptions Index, Population Composition Vulnerability Index, Poverty Index, Labor Force Structure Index, and a Housing Characteristics Index. In this section we demonstrate how report ESS004 from our data hub can be used to quickly reproduce social vulnerability index tables from Jepson and Colburn (2013) for selected West Coast fishing communities. Here we illustrate a simple three step process used to create a table of Poverty Index components for eight Central California fishing communities. The steps can be summarized as follows:

1. Access the ESS004 report from the PacFIN APEX hub and filter the report for selected communities and years.
2. Use the “download” option to save the resulting data to a local .csv file.
3. Open the downloaded data using the Microsoft Excel application and format the data table.

The remainder of this section illustrates these steps.

First, the interactive report ESS004 can be filtered by community (Figure 3)¹¹. This report sources data from the data mart table, ACS5YEAR_WOC_PLACE. The table contains all of the primary and supporting data series needed to calculate the components of the CSVI for every CDP in Washington, Oregon, and California. For this application, we selected the Central California fishing communities of Moss Beach, El Granada, Half Moon Bay, Santa Cruz, Moss Landing, Monterey, Pacific Grove, and Morro Bay for the year 2017.

⁹ The mapping tool can be found on NOAA Fisheries Office of Science and Technology’s social indicators page: <https://www.st.nmfs.noaa.gov/humandimensions/social-indicators/map>.

¹⁰ The interactive CCIEA website is accessible through NOAA’s Integrated Ecosystem Assessments domain: <https://www.integratedecosystemassessment.noaa.gov/regions/california-current/cc-indicator-status-trends>.

¹¹ Figures 3-8 are screen shot images of online reports available through PacFIN’s APEX hub. The index page for these reports can be loaded by navigating to PacFIN’s landing page (<https://pacfin.psmfc.org>), selecting the “Data” drop-down menu from the top banner, and selecting “APEX Reporting System” from the Data menu. Access to the interactive reports described in this document requires a PacFIN user account. Prospective users can contact PSMFC (<https://pacfin.psmfc.org/contact/contact-us/>) to request access.

Next, the resulting data can be downloaded to either a .csv or .xml file (Figure 4). This download generates a file with 94 fields, corresponding to the various metrics and indicators used to construct the CSVI.

In the final step, we open the downloaded report using the Microsoft Excel application and format rows and columns to match Tables A-3 and A-4 from Jepson and Colburn (2013). We also add a column to indicate the West Coast fishing ports that each selected community is affiliated with (Table 3 and Table 4).

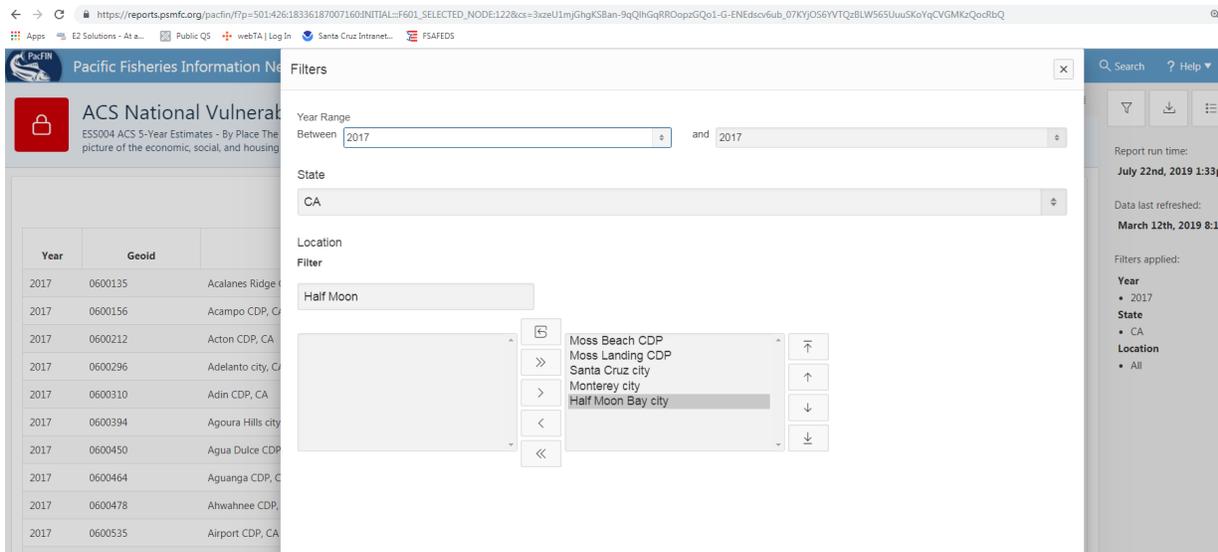


Figure 3. Selecting communities from report ESS004.

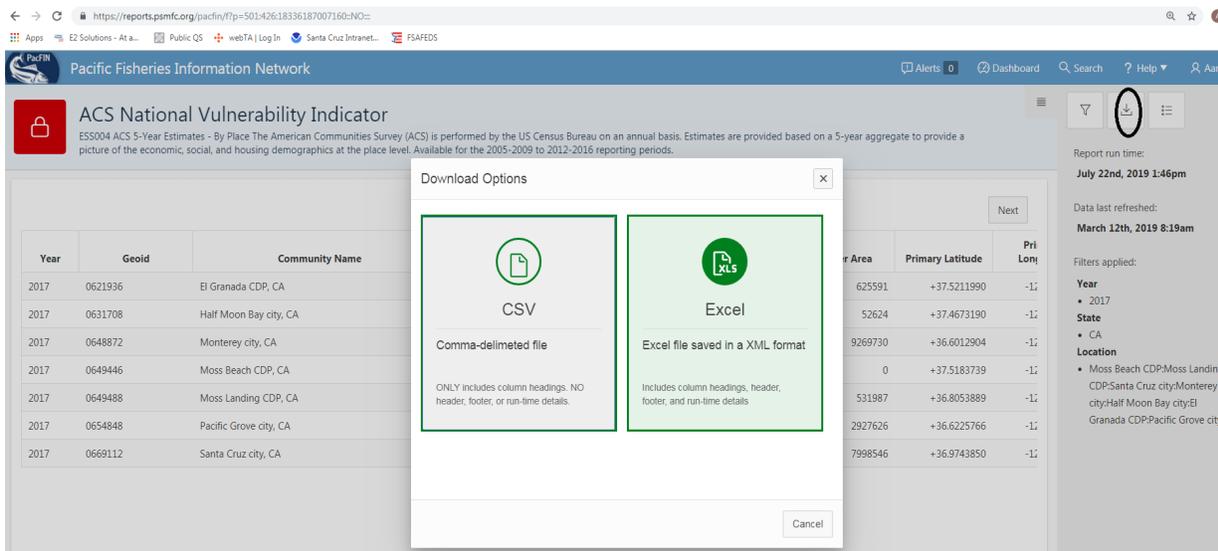


Figure 4. Downloading selected data from report ESS004.

Table 3. Indicators comprising the Poverty Index component of the CSVI for selected Central California fishing communities. The character “-“ indicates a value that was unavailable¹².

Major Fishing Port	Community	Percent receiving assistance	Percent of families below poverty level	Percent 65 and over in poverty	Percent of people under 18 in poverty
Princeton/Half Moon Bay	Moss Beach	0	4.3	8.1	3.3
Princeton/Half Moon Bay	El Granada	0.7	2.4	0.1	0.2
Princeton/Half Moon Bay	Half Moon Bay	2.8	4.6	7.3	6.2
Santa Cruz	Santa Cruz	3	24.4	10.3	21.5
Moss Landing	Moss Landing	0	12.7	0	-
Monterey	Monterey	1.8	11.3	9.8	4.5
Monterey	Pacific Grove	1.2	6.7	7.6	3.9
Morro Bay	Morro Bay	2.4	10.1	7.1	4.3

Table 4. Indicators comprising the Labor Force Structure Index component of the CSVI for selected Central California fishing communities.

Major Fishing Port	Community	Percent Labor Force	Percent females employed	Percent people receiving SSI
Princeton/Half Moon Bay	Moss Beach	57.9	53.4	0
Princeton/Half Moon Bay	El Granada	69.1	61	0.7
Princeton/Half Moon Bay	Half Moon Bay	68.3	62.8	3.3
Santa Cruz	Santa Cruz	61	53.7	4.3
Moss Landing	Moss Landing	0	0	0
Monterey	Monterey	53.6	50.8	3.2
Monterey	Pacific Grove	57.7	53.8	3.5
Morro Bay	Morro Bay	53.5	43.3	2.8

¹² The Census documentation on missing values, including possible reasons why a data request may return a missing value, is available at:

https://www2.census.gov/programs-surveys/acs/summary_file/2017/documentation/tech_docs/2017_SummaryFile_Tech_Doc.pdf?#

The ability to quickly access data series and indicator values for elements of the CSVI has two potentially important applications. First, the social vulnerability mapping application maintained by NOAA Fisheries Office of Science and Technology relies on data contributions from regional partners. Report ESS004 provides a platform for accessing these data quickly, which reduces the burden of supporting this important national reporting effort. Second, community vulnerability indexing is an active area of research among social scientists. The specific principal components or factor analysis methodologies used to select and aggregate data values into indexes are not well documented and differences in dimensionality reduction techniques can significantly impact outcomes. Our coupled data mart and online report can facilitate further methodological research in this area by making the necessary fishing community-level data easy to obtain.

4.2 Fishing dependence metrics for selected West Coast fishing communities

Report ESS002 provides ACS data metrics and commercial fishing metrics by CDP. This report can be used to download data series contributing to the CSVI component sub-indexes as well as data values contributing to measures of community-level commercial fishing dependence. In Jepson and Colburn (2013, Table A-12) the Commercial Fishing Reliance Index is defined as an aggregate of:

- Value of landings by population
- Number of commercial permits by population
- Number of dealers with landings by population
- Percent in agriculture, forestry, and fishing

In this section, we will demonstrate how report ESS002 can be used to evaluate commercial fishing reliance for a community over time by (i) retrieving the percent employment in agriculture, forestry, and fishing, and (ii) downloading a data table of commercial fishing engagement indicators.

First, by default, the landing page for report ESS002 displays social vulnerability index components organized by sub-index component for a single community through time (Figure 5).

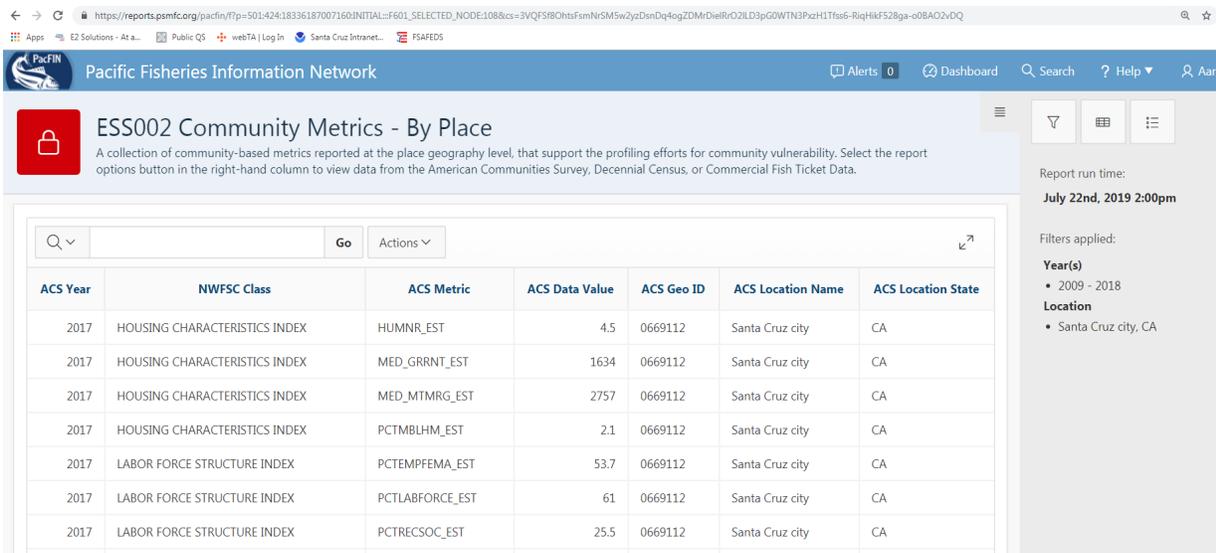


Figure 5. Landing page for report ESS002.

The report can then be filtered by community, year and by the field NWFSC Class to get the data value for percent of the labor force employed in agriculture, forestry, and fishing in Santa Cruz, CA for 2012-2016 (Figure 6).

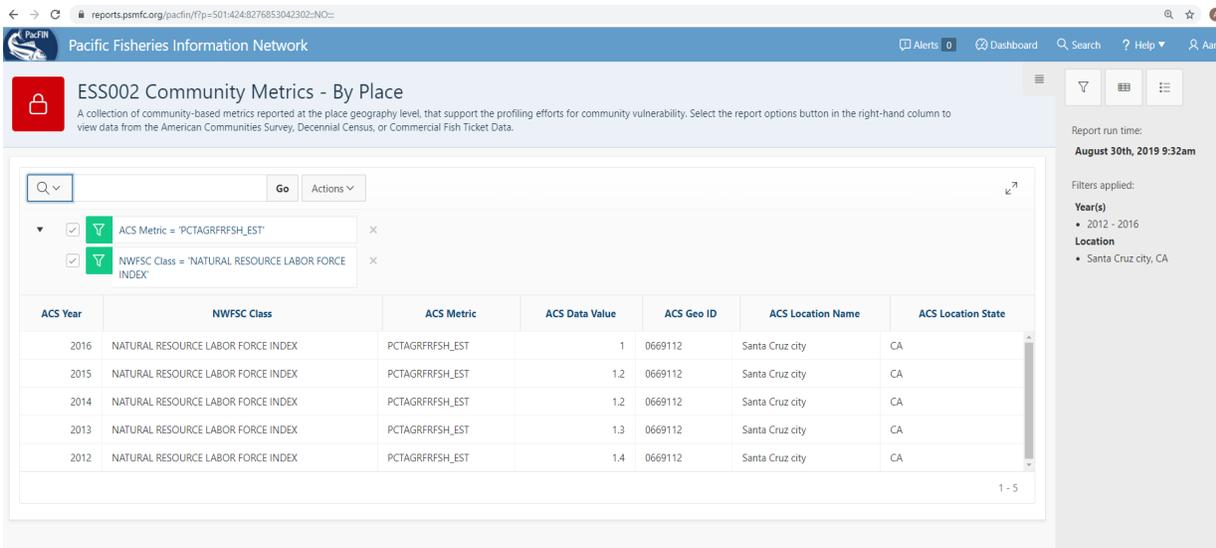


Figure 6. Report ESS002 filtered by community, NWFSC variable class, and metric.

Next, the data source for report ESS002 can be adjusted to display commercial fishing data (Figure 7 and Figure 8). This report sources data from database tables containing ACS data series as well as from commercial landings contained in PacFIN's Comprehensive_FT table.

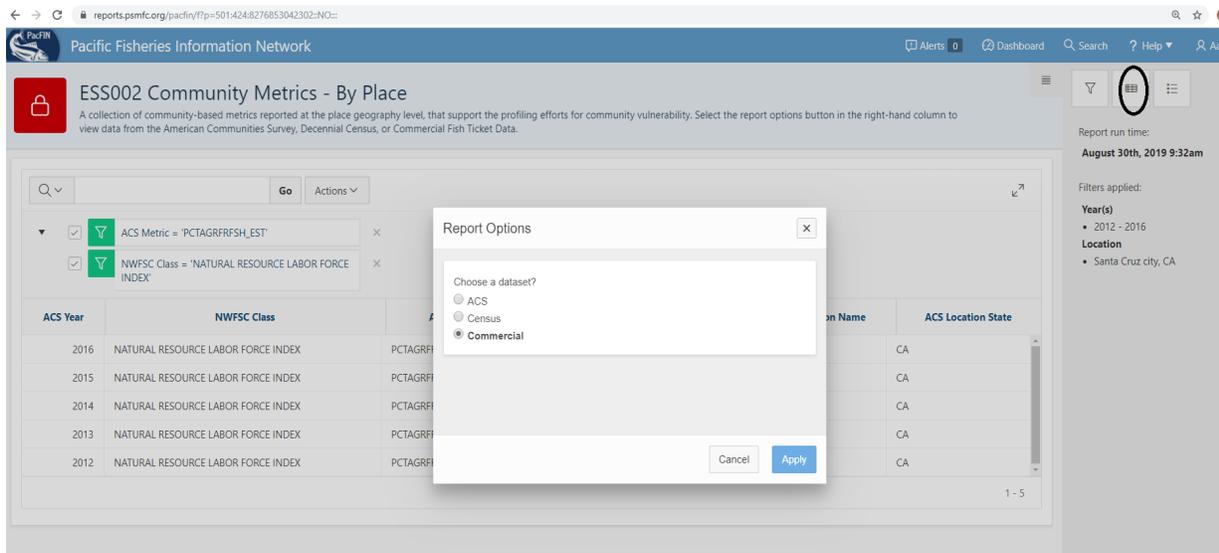


Figure 7. Report ESS002 options to allow display of commercial fishing data.

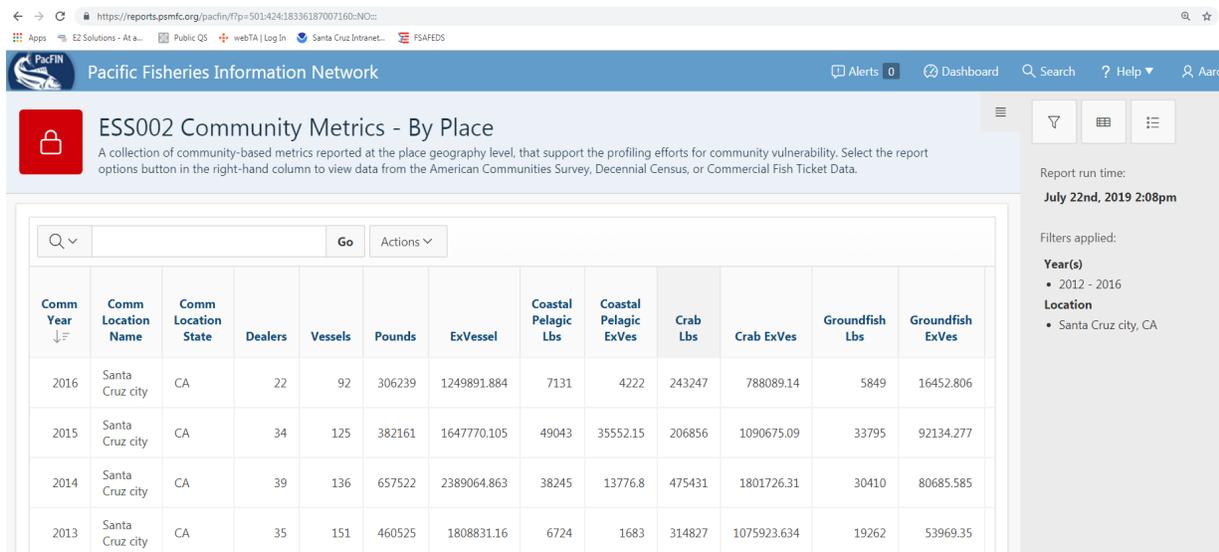


Figure 8. Report ESS002 adjusted to display commercial fishing data.

Commercial fishing metrics are available from report ESS002 in disaggregated form. Landings (in lbs) and ex-vessel values (measured in nominal dollars) are organized by management groups (coastal pelagic species, crab, groundfish, salmon, highly migratory species, shrimp, and other) and gear types (dredge, hook-and-line, net, pot, trawl, troll, and other). The report can be condensed by selecting columns to display, which supports both aggregated reporting similar to Jepson and Colburn (2013, Table A-12) and disaggregated reporting. The commercial fishing metrics for the selected community and time-span can then be downloaded to a .csv or .xlm file. Table 5, which mirror's Jepson and Colburn's (2013) Table A-12, was constructed for Santa Cruz, CA using the interactive controls to format the ESS002report and downloading the formatted report to a .csv file.

Table 5. Dealers, ex-vessel value, and number of participating vessels making commercial fish landings in Santa Cruz, CA (2012-2016).

Year	State	Dealers	Ex-Vessel Value	Vessels	Community Location Name
2012	CA	46	\$2,118,642.05	145	Santa Cruz city
2013	CA	35	\$1,808,831.16	151	Santa Cruz city
2014	CA	39	\$2,389,064.86	136	Santa Cruz city
2015	CA	34	\$1,647,770.11	125	Santa Cruz city
2016	CA	22	\$1,249,891.88	92	Santa Cruz city

In Table 6 we provide an example of a disaggregated commercial fishing reliance metrics that can be displayed using report ESS002. It should be noted here that the ex-vessel value from Table 5 does not equal the column-wise sum of Table 6 as the latter shows only selected major fisheries, while the former displays the value of all commercial fish landings.

Table 6. Ex-vessel value of commercial fish landings by major fishery in Santa Cruz, CA (2012-2016).

Year	State	Coastal Pelagic Ex-Vessel Value	Crab Ex-Vessel Value	Groundfish Ex-Vessel Value	HMS Ex-Vessel Value	Salmon Ex-Vessel Value	Shrimp Ex-Vessel Value
2012	CA	\$1,413.30	\$981,711.38	\$35,499.95	\$71,729.61	\$704,240.70	\$0.00
2013	CA	\$1,683.00	\$1,075,923.63	\$53,969.35	\$32,262.80	\$516,614.20	\$0.00
2014	CA	\$13,776.80	\$1,801,726.31	\$80,685.59	\$1,294.20	\$203,529.60	\$6,634.00
2015	CA	\$35,552.15	\$1,090,675.09	\$92,134.28	\$2,926.50	\$241,732.47	\$1,890.00
2016	CA	\$4,222.00	\$788,089.14	\$16,452.81	\$108.00	\$433,379.84	\$0.00

5 Summary

The *West Coast Fishing Communities Socio-Economic Data Model* integrates the acquisition and delivery of important socio-cultural, demographic, and economic data series measured at the community level for coastal communities along the U.S. West Coast. Currently the data model supports two spatial scales for defining “community”: counties and CDPs. The data model supplies fisheries social scientists with data on population structure, housing characteristics, income distribution, employment characteristics, and industry make-up through a centralized database, which can be accessed via direct database connection or through a suit of interactive, online reports. The data model supports ongoing social science research by simplifying access to important data series and promotes reproducibility of existing analysis by creating online tools that expand data access. The project also supports exploratory analysis and development of new fisheries social science research by lowering the barriers to initiating such research.

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Appendix A SIC and NAICS Industry Codes and Data Compatibility

Up until 2000 the BEA used the Standard Industry Classification (SIC) to define industries and sub-sectors for which economic activity is measured. Starting in 2001 the BEA switched to the North American Industry Classification System (NAICS). Industry economic activity can generally be tracked over time but some care must be taken when using industry level data across these two epochs.

For example, from 1998 - 2000 BEA Table CA6, Compensation of Employees by Industry, provided an aggregated measure for Agricultural Services, Forestry, and Fishing (line code 100), as well as disaggregated measures for Agricultural Services (line code 110), Forestry and Fishing (line code 120), Forestry (line code 121), and Fishing (line code 122) . The NAICS industry classification is slightly different in that it provides a measure for compensation by industry for the aggregate Forestry, Fishing, and Related Activities (line code 100), and disaggregates this measure as Forestry and Logging (line code 101), Fishing, Hunting, and Trapping (line code 102), and Support Activities for Agriculture and Forestry (line code 103). Tables A-1 and A-2 provide an example of this break using BEA Tables CA6 and CA6N from the Local Area Personal Income and Employment data set for Amador County, CA for 2000 - 2001.

Appendix Table A 1. BEA Table CA6, Compensation of employees by SIC industry for Amador County CA, year 2000 (Line Codes 1-122). The value "(D)" indicates values not shown to avoid disclosure of confidential information.

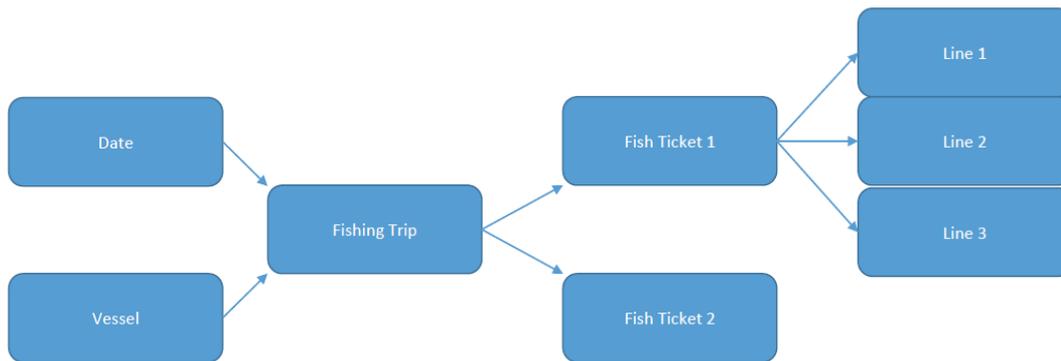
GeoFips	GeoName	Line Code	Description	Value (\$1,000s)
6005	Amador, CA		Total compensation of employees	
6005	Amador, CA	1	Compensation of employees (thousands of dollars)	385,667
6005	Amador, CA	5	Wages and salaries	303,439
6005	Amador, CA	6	Supplements to wages and salaries	82,228
6005	Amador, CA	7	Employer contributions for employee pension and insurance funds	62,680
6005	Amador, CA	8	Employer contributions for government social insurance	19,548
6005	Amador, CA	9	Average compensation per job (dollars)	33,449
6005	Amador, CA		Compensation of employees by industry	
6005	Amador, CA	81	Farm compensation	2,375
6005	Amador, CA	82	Nonfarm compensation	383,292
6005	Amador, CA	90	Private nonfarm compensation	229,864
6005	Amador, CA	100	Agricultural services, forestry, and fishing	(D)
6005	Amador, CA	110	Agricultural services	2,445
6005	Amador, CA	120	Forestry and fishing	(D)
6005	Amador, CA	121	Forestry	(D)
6005	Amador, CA	122	Fishing	(D)

Appendix Table A 2. BEA Table CA6N, Compensation of employees by NAICS industry for Amador County, CA, year 2001 (line codes 1-103). The value "(D)" indicates values not shown to avoid disclosure of confidential information.

GeoFips	GeoName	Line Code	Description	Value (\$1,000s)
6005	Amador, CA		Total compensation of employees	
6005	Amador, CA	1	Compensation of employees/	429,871
6005	Amador, CA	5	Wages and salaries	338,176
6005	Amador, CA	6	Supplements to wages and salaries	91,695
6005	Amador, CA	7	Employer contributions for employee pension and insurance funds	68,965
6005	Amador, CA	8	Employer contributions for government social insurance	22,730
6005	Amador, CA	9	Average compensation per job (dollars)	35,433
6005	Amador, CA		Compensation of employees by industry	
6005	Amador, CA	81	Farm compensation	2,459
6005	Amador, CA	82	Nonfarm compensation	427,412
6005	Amador, CA	90	Private nonfarm compensation	240,559
6005	Amador, CA	100	Forestry, fishing, and related activities	(D)
6005	Amador, CA	101	Forestry and logging	3,253
6005	Amador, CA	102	Fishing, hunting and trapping	(D)
6005	Amador, CA	103	Support activities for agriculture and forestry	1,912

Appendix B Structure of the Comprehensive_FT table

PacFIN's Comprehensive_FT table includes important information on commercial fish landings in Washington, Oregon, and California. The table is highly disaggregated making it useful for a range of biological, ecological, economic, and management applications. Social scientists interested in human behavior often find it convenient to group elements of the Comprehensive_FT table into fishing trips. For some well-monitored fisheries, a fishing trip is an explicit identifier assigned to each discrete trip. For others, unique combinations of vessels, landing dates, and gear types have been accepted as the best way to define a 'fishing trip.' A fishing trip has temporal characteristics (a date) and spatial characteristics (a landing port). Fishing trips also have transactional characteristics defined by fish tickets. Each fish ticket represents a unique transaction between a fish harvester and fish buyer. A fishing trip may have multiple fish tickets (Figure B-1).



Appendix Figure B 1. Relational hierarchy of observations in the PacFIN Comprehensive_FT database table.

Fish tickets are further disaggregated into lines. A fish ticket line has many features of interest to social scientists including identity of the buyer, price per pound paid, and characteristics of each line. Fish landings may be sorted by species, grade/condition, and gear type used in harvest (among other things). Each fish ticket line corresponds to a row entry in the Comprehensive_FT table, and represents a unique combination of landing characteristics.

Table B-1 illustrates an example for a hypothetical fisher landing 10 lbs. of sablefish and 20 lbs. of Dover sole at the port of Princeton/Half Moon Bay. If these landed fish were sold to the same buyer under a single fish ticket it would generally be reflected in the Comprehensive_FT table as two distinct rows.

Appendix Table B 1. Representative entries in the Comprehensive_FT database table for a hypothetical groundfish trawl fishing trip.

Landing Date	Fish Ticket	Vessel ID	PacFIN Port Code	Species Code	Landed Weight (lbs)	Dealer Number	Price Per Pound
03-26-2012	ABC123	Vessel 1	PRN	SABL	10	100	1.8
03-26-2012	ABC123	Vessel 1	PRN	DOVR	20	100	0.22

The entry indicates that all landed fish were sold to the same dealer and all pounds of the same species code earned the same unit price. This type of entry (multiple species sold to the same dealer under the same fish ticket with each species earning the same unit price) is the norm in the federally managed Pacific Coast Groundfish fishery.

However, in the commercial ocean salmon fishery, fish are often graded and sold at different unit prices accordingly. A representative fish ticket entry for landings of Chinook salmon of different grades is shown in Table B-2.

Appendix Table B 2. Representative entries in the Comprehensive_FT database table for a hypothetical salmon troll fishing trip.

Landing Date	Fish Ticket	Vessel ID	PacFIN Port Code	Species Code	Landed Weight (lbs)	Grade Code	Dealer Number	Price Per Pound
03-26-2012	XX123	CF100	PRN	CHNK	10	M	100	6.25
03-26-2012	XX123	CF100	PRN	CHNK	20	L	100	6.20

Finally, an example of a fishing trip generating multiple fish tickets is illustrated in Table B-3. In this case, the hypothetical fisher landed canary rockfish, arrowtooth flounder, yellowtail rockfish, and market squid. The landings were sold to the same dealer but two different fish tickets were generated.

Appendix Table B 3. Sample entries in the Comprehensive_FT database table for a hypothetical groundfish trip with multiple fish tickets.

Landing Date	Fish Ticket	Vessel ID	PacFIN Port Code	Species Code	Landed Weight (lbs)	Grade Code	Dealer Number	Price Per Pound
06-25-2014	XX3957	CF200	AST	CNRY	1	R	00811	0.5
06-25-2014	XX3957	CF200	AST	ARTH	12	R	00811	0.1
06-25-2014	XX3958	CF200	AST	YTRK	9	R	00811	0.52
06-25-2014	XX3958	CF200	AST	SQID	10	R	00811	0.10

Appendix C Supplemental tables

Appendix Table C 1. ACS data series by variable class and status.

Metric	Metric Description	Status	ACS Class	PACFIN Class
PCTBACHLRS_EST	Estimated percent of population with a Bachelor's degree	PRODUCTION	ECONOMIC	EDUCATION
PCTNODIPLOMA_EST	Estimated percent of population with 9th to 12th grade education, no diploma	PRODUCTION	ECONOMIC	EDUCATION
PCTPOP9THGRD_EST	Estimated percent of population with less than 9th grade education	PRODUCTION	ECONOMIC	EDUCATION
PCTPOPHSGRD_EST	Estimated percent of population that are high school graduates, including equivalency	PRODUCTION	ECONOMIC	EDUCATION
EAFEMALE_10TH_EST	Estimated number of females with a 10th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAFEMALE_11TH_EST	Estimated number of females with an 11th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAFEMALE_12THNODIP_EST	Estimated number of females with 9th to 12th grade education, no diploma	SUPPORTING	ECONOMIC	EDUCATION
EAFEMALE_5TH6TH_EST	Estimated number of females with a 5th or 6th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAFEMALE_7TH8TH_EST	Estimated number of females with a 7th or 8th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAFEMALE_9TH_EST	Estimated number of females with less than a 9th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAFEMALE_BCHLR_EST	Estimated number of females with a Bachelor's degree	SUPPORTING	ECONOMIC	EDUCATION
EAFEMALE_HSGRAD_EST	Estimated number of females that are high school graduates, including equivalency	SUPPORTING	ECONOMIC	EDUCATION
EAFEMALE_LT4TH_EST	Estimated number of females with nursery to 4th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAFEMALE_NOSCHL_EST	Estimated number of females with no schooling	SUPPORTING	ECONOMIC	EDUCATION
EAMALE_10TH_EST	Estimated number of males with a 10th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAMALE_11TH_EST	Estimated number of males with an 11th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAMALE_12THNODIP_EST	Estimated number of males with 9th to 12th grade education, no diploma	SUPPORTING	ECONOMIC	EDUCATION
EAMALE_5TH6TH_EST	Estimated number of males with a 5th or 6th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAMALE_7TH8TH_EST	Estimated number of males with a 7th or 8th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAMALE_9TH_EST	Estimated number of males with less than a 9th grade education	SUPPORTING	ECONOMIC	EDUCATION

Metric	Metric Description	Status	ACS Class	PACFIN Class
EAMALE_BCHLR_EST	Estimated number of males with a Bachelor's degree	SUPPORTING	ECONOMIC	EDUCATION
EAMALE_HSGRAD_EST	Estimated number of males that are high school graduates, including equivalency	SUPPORTING	ECONOMIC	EDUCATION
EAMALE_LT4TH_EST	Estimated number of males with nursery to 4th grade education	SUPPORTING	ECONOMIC	EDUCATION
EAMALE_NOSCHL_EST	Estimated number of males with no schooling	SUPPORTING	ECONOMIC	EDUCATION
EAPOP_EST	Estimated population for educational attainment analysis	SUPPORTING	ECONOMIC	EDUCATION
MEANTRAVTIM_EST	Estimated mean travel time to work for workers age 16 and over	PRODUCTION	ECONOMIC	EMPLOYMENT
PCTAGRFRFSH_EST	Estimated percent of the civilian labor force employed in agriculture, forestry, fishing and hunting, and mining industries	PRODUCTION	ECONOMIC	EMPLOYMENT
PCTEMPFEMA_EST	Estimated percent of all females age 16 and over employed in the civilian labor force	PRODUCTION	ECONOMIC	EMPLOYMENT
PCTEMPLOYED_EST	Estimated percent of population ages 16 and over employed in the civilian labor force	PRODUCTION	ECONOMIC	EMPLOYMENT
PCTFRMFSHOCC_EST	Estimated percent of civilian labor force employed in farming, fishing and forestry occupations based	PRODUCTION	ECONOMIC	EMPLOYMENT
PCTLABFEMALE_EST	Estimated percent of all females age 16 and over in the civilian labor force	PRODUCTION	ECONOMIC	EMPLOYMENT
PCTLABFORCE_EST	Estimated percent of population age 16 and over in the civilian labor force	PRODUCTION	ECONOMIC	EMPLOYMENT
PCTSERVIND_EST	Estimated percentage of the civilian labor force employed in arts, entertainment and recreation, and accommodation and food services industries	PRODUCTION	ECONOMIC	EMPLOYMENT
PCTSERVOCC_EST	Estimated percent of civilian labor force employed in service occupations	PRODUCTION	ECONOMIC	EMPLOYMENT
PCTSLFEMP_EST	Estimated percent of the civilian labor force in the class of worker, "Self Employed"	PRODUCTION	ECONOMIC	EMPLOYMENT
PCTUNEMPLD_EST	Estimated percent of population age 16 and over unemployed in the civilian labor force	PRODUCTION	ECONOMIC	EMPLOYMENT
TOTCNSTEXTRCT_EST	Estimated number employed in construction and extraction occupations in the civilian labor force	PRODUCTION	ECONOMIC	EMPLOYMENT
TOTEMPLPOP_EST	Estimated total employed civilian population over age 16	PRODUCTION	ECONOMIC	EMPLOYMENT
EMPCIVLAB_EST	Estimated population age 16 and over in the civilian labor force	SUPPORTING	ECONOMIC	EMPLOYMENT

Metric	Metric Description	Status	ACS Class	PACFIN Class
EMPEMLOYED_EST	Estimated population age 16 and over employed in the civilian labor force	SUPPORTING	ECONOMIC	EMPLOYMENT
EMPPPOP_EST	Estimated population used for employment status analysis	SUPPORTING	ECONOMIC	EMPLOYMENT
EMPUNEMPLD_EST	Estimated population age 16 and over in the civilian labor force and unemployed	SUPPORTING	ECONOMIC	EMPLOYMENT
FRMFSHOCCFM_EST	Estimated population of females in the civilian labor force employed in farming, fishing and forestry occupations based	SUPPORTING	ECONOMIC	EMPLOYMENT
FRMFSHOCCML_EST	Estimated population of males in the civilian labor force employed in farming, fishing and forestry based occupations	SUPPORTING	ECONOMIC	EMPLOYMENT
SLFEMPFM_EST	Estimated population of females in the civilian labor force in the class of worker, "Self Employed"	SUPPORTING	ECONOMIC	EMPLOYMENT
SLFEMPML_EST	Estimated population of males in the civilian labor force in the class of worker: "Self Employed"	SUPPORTING	ECONOMIC	EMPLOYMENT
TRAVTIMAGG_EST	Estimated aggregate of total travel time to work (in minutes) used for mean travel time calculation	SUPPORTING	ECONOMIC	EMPLOYMENT
TRAVTIMPOP_EST	Estimated population of travelers used for mean travel time calculation	SUPPORTING	ECONOMIC	EMPLOYMENT
GINIINDX	GINI Index of income inequality	PRODUCTION	ECONOMIC	INCOME
MEANHHINC_EST	Estimated mean household income	PRODUCTION	ECONOMIC	INCOME
MEANRETINC_EST	Estimated mean household retirement income	PRODUCTION	ECONOMIC	INCOME
MEDHHINC_EST	Estimated median household income	PRODUCTION	ECONOMIC	INCOME
PCTHH200K_EST	Estimated percent of households with income over \$200,000	PRODUCTION	ECONOMIC	INCOME
PCTHHUNDR10K_EST	Estimated percent of households with income under \$10,000	PRODUCTION	ECONOMIC	INCOME
PCTPUBLICASSIST_EST	Estimated percent of households with cash public assistance income	PRODUCTION	ECONOMIC	INCOME
PCTRECRET_EST	Estimated percent of households with retirement income	PRODUCTION	ECONOMIC	INCOME
PCTRECSOC_EST	Estimated percent of households receiving Social Security	PRODUCTION	ECONOMIC	INCOME
PCTRECSSI_EST	Estimated percent of households receiving SSI	PRODUCTION	ECONOMIC	INCOME
PERCPHHINC_EST	Estimated Per Capita Income (PCI)	PRODUCTION	ECONOMIC	INCOME
RETINCHH_EST	Estimated number of households receiving retirement income	SUPPORTING	ECONOMIC	INCOME

Metric	Metric Description	Status	ACS Class	PACFIN Class
RETINCTOT_EST	Estimated aggregate amount of retirement income received by households	SUPPORTING	ECONOMIC	INCOME
PCT65POV_EST	Estimated percent of population age 65 and over in poverty	PRODUCTION	ECONOMIC	POVERTY
PCTCHLDPOV_EST	Estimated percent of population under 18 in poverty	PRODUCTION	ECONOMIC	POVERTY
PCTFMINPOV_EST	Estimated percent of families below poverty level	PRODUCTION	ECONOMIC	POVERTY
PCTPOV_EST	Estimated percent of population in poverty	PRODUCTION	ECONOMIC	POVERTY
FMINPOV_EST	Estimated number of families with income in the past 12 months below the poverty level	SUPPORTING	ECONOMIC	POVERTY
FMINPOVTOT_EST	Estimated number of families used for poverty analysis	SUPPORTING	ECONOMIC	POVERTY
POVFEML_12TO14YR_EST	Estimated female population between 12 and 14 years old in poverty	SUPPORTING	ECONOMIC	POVERTY
POVFEML_15YR_EST	Estimated female population 15 years old in poverty	SUPPORTING	ECONOMIC	POVERTY
POVFEML_16TO17YR_EST	Estimated female population between 16 and 17 years old in poverty	SUPPORTING	ECONOMIC	POVERTY
POVFEML_5YR_EST	Estimated female population 5 years old in poverty	SUPPORTING	ECONOMIC	POVERTY
POVFEML_65TO74YRS_EST	Estimated female population between 65 and 74 years old in poverty	SUPPORTING	ECONOMIC	POVERTY
POVFEML_6TO11YR_EST	Estimated female population between 6 and 11 years old in poverty	SUPPORTING	ECONOMIC	POVERTY
POVFEML_OLDR75_EST	Estimated female population 75 years and older in poverty	SUPPORTING	ECONOMIC	POVERTY
POVFEML_UNDR5YR_EST	Estimated female population under age 5 in poverty	SUPPORTING	ECONOMIC	POVERTY
POVML_12TO14YR_EST	Estimated male population between 12 and 14 years in poverty	SUPPORTING	ECONOMIC	POVERTY
POVML_15YR_EST	Estimated male population 15 years old in poverty	SUPPORTING	ECONOMIC	POVERTY
POVML_16TO17YR_EST	Estimated male population between 16 and 17 years in poverty	SUPPORTING	ECONOMIC	POVERTY
POVML_5YR_EST	Estimated male population 5 years old in poverty	SUPPORTING	ECONOMIC	POVERTY
POVML_65TO74YRS_EST	Estimated male population between 65 and 74 years old in poverty	SUPPORTING	ECONOMIC	POVERTY
POVML_6TO11YR_EST	Estimated male population between 6 and 11 years in poverty	SUPPORTING	ECONOMIC	POVERTY
POVML_OLDR75_EST	Estimated male population 75 years and older in poverty	SUPPORTING	ECONOMIC	POVERTY
POVML_UNDR5YR_EST	Estimated male population under 5 years old in poverty	SUPPORTING	ECONOMIC	POVERTY
POVPOP_EST	Estimated population in poverty	SUPPORTING	ECONOMIC	POVERTY

Metric	Metric Description	Status	ACS Class	PACFIN Class
POVTOT_EST	Estimated population for poverty analysis	SUPPORTING	ECONOMIC	POVERTY
TOTFRMFSHOCC_EST	Estimated number employed in farming, fishing, and forestry occupations in the civilian labor force	PRODUCTION	EMPLOYMENT	EMPLOYMENT
TOTMAINT_EST	Estimated number employed in installation, maintenance, and repair occupations in civilian labor force	PRODUCTION	EMPLOYMENT	EMPLOYMENT
PCTBLT2000_EST	Estimated percent of all housing units built between 2000 and 2004	PENDING VALIDATION	HOUSING	HOUSING
PCTBLT2005_EST	Estimated percent of all housing units built in 2005 or later	PENDING VALIDATION	HOUSING	HOUSING
PCTMOV2000TO04_EST	Estimated percent of households that moved between 2000 and 2004	PENDING VALIDATION	HOUSING	HOUSING
PCTMOV2005_EST	Estimated percent of households that moved in 2005 or later	PENDING VALIDATION	HOUSING	HOUSING
GRPQRTRS_TOTAL_EST	Estimate of total population in group quarters, including institutionalized people	PRODUCTION	HOUSING	HOUSING
HASMORTGAGELON_EST	Estimated number of owner-occupied housing units with mortgage, second mortgage, and loan	PRODUCTION	HOUSING	HOUSING
HMOOWNVAC_EST	Estimated homeowner vacancy rate	PRODUCTION	HOUSING	HOUSING
HOUSUNITNUM_OWNOCC_EST	Estimated number of owner-occupied housing units for percent mortgage calculation	PRODUCTION	HOUSING	HOUSING
HUMNR_EST	Estimated median number of rooms	PRODUCTION	HOUSING	HOUSING
MDYRMOVEDIN_EST	Estimate of median year that household moved into housing unit	PRODUCTION	HOUSING	HOUSING
MDYRSRESID_EST	Estimated median years in residence	PRODUCTION	HOUSING	HOUSING
MED_GRRNT_EST	Estimated median gross rent of renter-occupied housing units	PRODUCTION	HOUSING	HOUSING
MED_MTMRG_EST	Estimated median selected monthly owner costs (SMOC) for all owner-occupied housing units with a mortgage	PRODUCTION	HOUSING	HOUSING
MEDDWELLAGE_EST	Estimated median age of housing structures	PRODUCTION	HOUSING	HOUSING
MEDDWELLBUILT_EST	Estimate of median year housing structures built	PRODUCTION	HOUSING	HOUSING
MEDHOMVAL_EST	Estimated median home value of owner-occupied housing units	PRODUCTION	HOUSING	HOUSING
PCTBLT2000_2009_EST	Estimated percent of houses built between 2000 and 2009	PRODUCTION	HOUSING	HOUSING
PCTBLT2010_2013_EST	Estimated percent of households that moved between 2010 and 2013	PRODUCTION	HOUSING	HOUSING
PCTBLT2014_LAT_EST	Estimated percent of households that moved in 2014 or later	PRODUCTION	HOUSING	HOUSING

Metric	Metric Description	Status	ACS Class	PACFIN Class
PCTGRPQRTS_TOTAL_EST	Estimated percent of total population living in group quarters, including institutionalized people	PRODUCTION	HOUSING	HOUSING
PCTHASMORTGAGE_EST	Estimated percent of owner-occupied housing units with a mortgage	PRODUCTION	HOUSING	HOUSING
PCTHOUSHEATFUEL_EST	Estimated percent of households heating with fuel oil, kerosene, etc.	PRODUCTION	HOUSING	HOUSING
PCTHSMORTGAGELON_EST	Estimated number of owner-occupied housing units with a mortgage and both second mortgage and home equity loan	PRODUCTION	HOUSING	HOUSING
PCTMBLHM_EST	Estimated percent of housing units that are mobile homes	PRODUCTION	HOUSING	HOUSING
PCTMOV2000_2009_EST	Estimated percent of households that moved between 2000 and 2009	PRODUCTION	HOUSING	HOUSING
PCTMOV2010_2014_EST	Estimated percent of households that moved between 2010 and 2014	PRODUCTION	HOUSING	HOUSING
PCTMOV2010_LAT_EST	Estimated percent of households that moved in 2010 or later	PRODUCTION	HOUSING	HOUSING
PCTMOV2015_LAT_EST	Estimated percent of households that moved in 2015 or later	PRODUCTION	HOUSING	HOUSING
PCTNOPLBG_EST	Estimated percent of households lacking complete plumbing facilities	PRODUCTION	HOUSING	HOUSING
PCTNOVHCL_EST	Estimated percent of households with zero transportation vehicles	PRODUCTION	HOUSING	HOUSING
PCTOWNER_EST	Estimated percent of housing units that are owner-occupied	PRODUCTION	HOUSING	HOUSING
PCTOWNRMTHLYCST_EST	Estimated percent of owner-occupied households (with mortgages) with selected monthly owner costs (SMOC) 35.0 percent or more of household income	PRODUCTION	HOUSING	HOUSING
PCTRENTNER_EST	Estimated percent of housing units that are renter-occupied	PRODUCTION	HOUSING	HOUSING
PCTRENTRMTHLYCST_EST	Estimated percent of renter-occupied households with monthly renter costs 35.0 percent or more of household income	PRODUCTION	HOUSING	HOUSING
PCTVACANT_EST	Estimated percent vacant housing units	PRODUCTION	HOUSING	HOUSING
POPRENTUNITS_EST	Estimated population in rental units	PRODUCTION	HOUSING	HOUSING
RENTVAC_EST	Estimated rental vacancy rate	PRODUCTION	HOUSING	HOUSING
TOTHU_EST	Estimate of total housing units	PRODUCTION	HOUSING	HOUSING
TOTOCCHU_EST	Estimated total occupied housing units	PRODUCTION	HOUSING	HOUSING
TOTOWNOCCHU_EST	Estimate of total owner-occupied housing units	PRODUCTION	HOUSING	HOUSING
TOTRENTOCCHU_EST	Estimated population in rental units	PRODUCTION	HOUSING	HOUSING

Metric	Metric Description	Status	ACS Class	PACFIN Class
TOTVACANTHU_EST	Estimated number of vacant housing units	PRODUCTION	HOUSING	HOUSING
BLT2000_2004_EST	Estimated number of all housing units between 2000 and 2004	SUPPORTING	HOUSING	HOUSING
BLT2000_2009_EST	Estimated number of houses built between 2000 and 2009	SUPPORTING	HOUSING	HOUSING
BLT2005_EST	Estimated number of all housing units built 2005 or later	SUPPORTING	HOUSING	HOUSING
BLTTOT_EST	Estimated number of housing units used for percent built analyses	SUPPORTING	HOUSING	HOUSING
HASMORTGAGE_EST	Estimated number of owner-occupied housing units with a mortgage	SUPPORTING	HOUSING	HOUSING
VACANTHU_EST	Estimated number of vacant housing units	SUPPORTING	HOUSING	HOUSING
HUHEAT_EST	Estimated number of households by heating fuel	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUHEATFUEL_EST	Estimated number of households heating with fuel oil, kerosene, etc.	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUMORT_EST	Estimated number of owner-occupied housing units with mortgage 35 percent or more of household income, for SMOC analysis (SMOC)	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUMORTBT35_40_EST	Estimated number of owner-occupied households (with mortgages) with selected monthly owner costs (SMOC) between 35 and 39.9 percent or more of household income	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUMORTBT40_50_EST	Estimated number of owner-occupied households (with mortgages) with selected monthly owner costs (SMOC) between 40 and 49.9 percent or more of household income	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUMORTGE_50_EST	Estimated number of owner-occupied households (with mortgages) with selected monthly owner costs (SMOC) 50 percent or more of household income	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUMORTNONCOMP_EST	Housing units with a mortgage not included in SMOC calculation	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUNOPLBG_EST	Estimated number of households lacking complete plumbing facilities	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUNOVHCL_EST	Estimated number of households with zero transportation vehicles	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUOWNER_EST	Estimated number of housing units that are owner-occupied	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUPLUMB_EST	Estimated number of households by plumbing facilities	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HURENT_EST	Estimated number of renter-occupied households used for SMOC analysis	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING

Metric	Metric Description	Status	ACS Class	PACFIN Class
HURENT35_40_EST	Estimated percent of renter-occupied households with monthly renter cost between 35 and 39.9 percent or more of household income	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HURENT40_50_EST	Estimated percent of renter-occupied households with monthly renter cost between 40 and 49.9 percent or more of household income	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HURENTER_EST	Estimated number of housing units that are renter-occupied	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HURENTGE_50_EST	Estimated percent of renter-occupied households with monthly renter cost between 50 percent or more of household income	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HURENTNONCOMP_EST	Rental housing units not included in gross rent as a percent of income (GRAPI) calculation	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
HUTRANS_EST	Estimated total households by transportation	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
MBLHM_EST	Estimated number of mobile homes	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
MOV2000TO04_EST	Estimated number of households that moved between 2000 and 2004	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
MOV2005_EST	Estimated number of households that moved in 2005 or later	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
MOVOWN2000_2004_EST	Estimated number of owner occupied households that moved between 2000 and 2004	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
MOVOWN2005_EST	Estimated number of owner occupied households that moved in 2005 or later	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
MOVRENT2000_2004_EST	Estimated number of renter occupied households that moved between 2000 and 2004	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
MOVRENT2005_EST	Estimated number of renter occupied households that moved in 2005 or later	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
MOVTOT_EST	Estimated number of households for percent moved analysis.	SUPPORTING - PENDING VALIDATION	HOUSING	HOUSING
BLT2010_2013_EST	Estimated number of households that moved between 2010 and 2013		HOUSING	HOUSING
BLT2010_LAT_EST	Estimated number of houses built 2010 or later		HOUSING	HOUSING
BLT2014_LAT_EST	Estimated number of households that moved in 2014 or later		HOUSING	HOUSING
CIVLABAGRFRFSH_EST	Estimated population of civilian labor force employed in agriculture, forestry, fishing and hunting, and mining industries	SUPPORTING - PENDING VALIDATION	SOCIAL	EMPLOYMENT
CIVLABFRMFSH_EST	Estimated population of civilian labor force employed in farming, fishing and forestry	SUPPORTING - PENDING VALIDATION	SOCIAL	EMPLOYMENT

Metric	Metric Description	Status	ACS Class	PACFIN Class
CIVLABFRMFESH_FM_EST	Estimated number of females in the civilian labor force employed in farming, fishing and forestry occupations	SUPPORTING - PENDING VALIDATION	SOCIAL	EMPLOYMENT
CIVLABFRMFESH_ML_EST	Estimated number of males in the civilian labor force employed in farming, fishing and forestry occupations	SUPPORTING - PENDING VALIDATION	SOCIAL	EMPLOYMENT
CIVLABPOP_EST	Estimated population of civilian labor force for industry analysis	SUPPORTING - PENDING VALIDATION	SOCIAL	EMPLOYMENT
CIVLABSERV_EST	Estimated population of civilian labor force employed in service occupations	SUPPORTING - PENDING VALIDATION	SOCIAL	EMPLOYMENT
CIVLABSERVIND_EST	Estimated population of civilian labor force employed in arts, entertainment and recreation, and accommodation and food services industries	SUPPORTING - PENDING VALIDATION	SOCIAL	EMPLOYMENT
CIVLABSLFEMP_EST	Estimated population of civilian labor force in the class of worker, "Self Employed"	SUPPORTING - PENDING VALIDATION	SOCIAL	EMPLOYMENT
POPAAPCT_EST	Estimated Asian Alone population (percent of total population)	PRODUCTION	SOCIAL	ETHNICITY
POPBAPCT_EST	Estimated Black Alone population (percent of total population)	PRODUCTION	SOCIAL	ETHNICITY
POPHSPCT_EST	Estimated Hispanic population (percent of total population)	PRODUCTION	SOCIAL	ETHNICITY
POPNAAPCT_EST	Estimated Native Americans Alone population (percent of total population)	PRODUCTION	SOCIAL	ETHNICITY
POPPAPCT_EST	Estimated Pacific Alone population (percent of total population)	PRODUCTION	SOCIAL	ETHNICITY
POPWAPCT_EST	Estimated White Alone population (percent of total population)	PRODUCTION	SOCIAL	ETHNICITY
POPWNAPCT_EST	Estimated White non-Hispanic population (percent of total population)	PRODUCTION	SOCIAL	ETHNICITY
POPAA_EST	Estimated population: Asian Alone	SUPPORTING	SOCIAL	ETHNICITY
POPBA_EST	Estimated population: Black Alone	SUPPORTING	SOCIAL	ETHNICITY
POPHS_EST	Estimated population: Hispanic	SUPPORTING	SOCIAL	ETHNICITY
POPNA_EST	Estimated population: Native Americans Alone	SUPPORTING	SOCIAL	ETHNICITY
POPPA_EST	Estimated population: Pacific Alone	SUPPORTING	SOCIAL	ETHNICITY
POPWA_EST	Estimated population: White Alone	SUPPORTING	SOCIAL	ETHNICITY
POPWN_EST	Estimated population: White non-Hispanic	SUPPORTING	SOCIAL	ETHNICITY
MEDAGE_EST	Estimated median age	PRODUCTION	SOCIAL	POPULATION
PCTFEMALE_EST	Estimated percent females	PRODUCTION	SOCIAL	POPULATION
PCTFEMALEDIVORCD_EST	Estimated percent of females age 15 and over divorced	PRODUCTION	SOCIAL	POPULATION

Metric	Metric Description	Status	ACS Class	PACFIN Class
PCTFEMALESEPARATD_EST	Estimated percent of females age 15 and over separated	PRODUCTION	SOCIAL	POPULATION
PCTFORBRN_EST	Estimated percent of population that is foreign born	PRODUCTION	SOCIAL	POPULATION
PCTLIVEDFCO_SMST_EST	Estimated percent of the population (age 1 year and over) that lived in different county in same state 1 year ago	PRODUCTION	SOCIAL	POPULATION
PCTLIVEDFST_EST	Estimated percent of population (age 1 year and over) that lived in different state 1 year ago	PRODUCTION	SOCIAL	POPULATION
PCTLIVESMHS_EST	Estimated percent of population (age 1 year and over) that lived in same house 1 year ago	PRODUCTION	SOCIAL	POPULATION
PCTMALE_EST	Estimated percent males	PRODUCTION	SOCIAL	POPULATION
PCTMALEDIVORCD_EST	Estimated percent of males age 15 and over divorced	PRODUCTION	SOCIAL	POPULATION
PCTMALESEPARATD_EST	Estimated percent of males age 15 and over separated	PRODUCTION	SOCIAL	POPULATION
PCTSPKENGNTWL_EST	Estimated percent of population that speaks English less than very well	PRODUCTION	SOCIAL	POPULATION
POP0_5PCT_EST	Estimated percent population age under 5	PRODUCTION	SOCIAL	POPULATION
POP85PCT_EST	Estimated percent population 85 and over	PRODUCTION	SOCIAL	POPULATION
POPDENS_EST	Estimated population density (using population estimate from 5YR ACS) in residents per square mile	PRODUCTION	SOCIAL	POPULATION
TOTPOP_EST	Estimated total population	PRODUCTION	SOCIAL	POPULATION
GM_LIVEDFCO_SMST_EST	Estimated population that lived in different county in same state 1 year ago	SUPPORTING	SOCIAL	POPULATION
GM_LIVEDFST_EST	Estimated population that lived in different state 1 year ago	SUPPORTING	SOCIAL	POPULATION
GM_LIVESMHS_EST	Estimated percent of population that lived in same house 1 year ago	SUPPORTING	SOCIAL	POPULATION
GMFORBRN_EST	Estimated population that is foreign born	SUPPORTING	SOCIAL	POPULATION
GMTOT_EST	Estimated population for geographic mobility analysis	SUPPORTING	SOCIAL	POPULATION
POPFEMALE_EST	Estimated number of females	SUPPORTING	SOCIAL	POPULATION
POPFEMALE0_5_EST	Estimated number of females under age 5	SUPPORTING	SOCIAL	POPULATION
POPFEMALE85_EST	Estimated number of females in the population 85 and over	SUPPORTING	SOCIAL	POPULATION
POPMALE_EST	Estimated number of males	SUPPORTING	SOCIAL	POPULATION
POPMALE0_5_EST	Estimated number of males under age 5	SUPPORTING	SOCIAL	POPULATION
POPMALE85_EST	Estimated number of males in the population 85 and over	SUPPORTING	SOCIAL	POPULATION
SPKENGNTWL1_EST	Estimated population over 5 years of age that speak English less than well	SUPPORTING	SOCIAL	POPULATION

Metric	Metric Description	Status	ACS Class	PACFIN Class
SPKENGNTWL2_EST	Estimated population over 5 years of age that speak English less than well	SUPPORTING	SOCIAL	POPULATION
SPKENGNTWLTOT_EST	Estimated population over 5 years of age used for calculation of percent of population that speaks English less than very well	SUPPORTING	SOCIAL	POPULATION
GMDIFCTY_SMST_EST	Estimated population (age 1 year and over) that lived in different county in same state 1 year ago	SUPPORTING - PENDING VALIDATION	SOCIAL	POPULATION
GMLT1YR_EST	Estimated population (age 1 year and over) used for geographic mobility analysis	SUPPORTING - PENDING VALIDATION	SOCIAL	POPULATION
GMSMHSE_EST	Estimated population that lived in same house 1 year ago	SUPPORTING - PENDING VALIDATION	SOCIAL	POPULATION
MSFEMALE_DIV_EST	Estimated number of females age 15 and over divorced	SUPPORTING - PENDING VALIDATION	SOCIAL	POPULATION
MSFEMALE_EST	Estimated number of females for marital status analysis	SUPPORTING - PENDING VALIDATION	SOCIAL	POPULATION
MSFEMALE_SEP_EST	Estimated number of females age 15 and over separated	SUPPORTING - PENDING VALIDATION	SOCIAL	POPULATION
MSMALE_DIV_EST	Estimated number of males age 15 and over divorced	SUPPORTING - PENDING VALIDATION	SOCIAL	POPULATION
MSMALE_EST	Estimated number of males for marital status analysis	SUPPORTING - PENDING VALIDATION	SOCIAL	POPULATION
MSMALE_SEP_EST	Estimated number of males age 15 and over separated	SUPPORTING - PENDING VALIDATION	SOCIAL	POPULATION
AVGHHSZE_EST	Estimated average household size	PRODUCTION	SOCIAL	SOCIAL
PCTHFOFMNOHS_EST	Estimated percent of family households (2+ persons) with female household leader and no husband present	PRODUCTION	SOCIAL	SOCIAL
PCTHHUNDR18_EST	Estimated percent of households with one or more person under 18	PRODUCTION	SOCIAL	SOCIAL
PCTHHUOVER65_EST	Estimated percent of households with one or more person over 65	PRODUCTION	SOCIAL	SOCIAL
TOTHH_EST	Estimated total households	PRODUCTION	SOCIAL	SOCIAL
HHFAM_EST	Estimated number of family households	SUPPORTING	SOCIAL	SOCIAL
HHFAMFMNOHS_EST	Estimated number of family households (2+ persons) with female household leader and no husband present	SUPPORTING	SOCIAL	SOCIAL
HHINC200K_EST	Estimated number of households with annual income over \$200,000	SUPPORTING	SOCIAL	SOCIAL
HHINCAGG_EST	Estimated aggregate earnings for households	SUPPORTING	SOCIAL	SOCIAL
HHINCHH_EST	Estimated number of households with earnings	SUPPORTING	SOCIAL	SOCIAL
HHINCRET_EST	Estimated total number of households for income analysis	SUPPORTING	SOCIAL	SOCIAL

Metric	Metric Description	Status	ACS Class	PACFIN Class
HHINCUNDR10K_EST	Estimated number of households with annual income under \$10,000	SUPPORTING	SOCIAL	SOCIAL
HHOVER65_1ORMR_EST	Estimated number of households with one or more person over 65	SUPPORTING	SOCIAL	SOCIAL
HHOVER65_EST	Estimated number of households for presence of people over 65 analysis	SUPPORTING	SOCIAL	SOCIAL
HPUBLICASSIST_EST	Estimated number of households with cash public assistance income	SUPPORTING	SOCIAL	SOCIAL
HPUBLICASSISTTOT_EST	Estimated number of housing units used for public assistance analysis	SUPPORTING	SOCIAL	SOCIAL
HHRECRET_EST	Estimated number of households with retirement income	SUPPORTING	SOCIAL	SOCIAL
HHRECSOC_EST	Estimated number of households receiving Social Security	SUPPORTING	SOCIAL	SOCIAL
HHRECSSI_EST	Estimated number of households receiving SSI	SUPPORTING	SOCIAL	SOCIAL
HHTYPTOT_EST	Estimated population total used for group quarters analysis	SUPPORTING	SOCIAL	SOCIAL
HHUNDR18_1ORMR_EST	Estimated percent of households with one or more person under 18	SUPPORTING	SOCIAL	SOCIAL
HHUNDR18_EST	Estimated number of households for presence of people under 18 analysis	SUPPORTING	SOCIAL	SOCIAL
TOTHFOFMNOHS_EST	Estimated percent of family households (2+ persons) with female household leader and no husband present	SUPPORTING	SOCIAL	SOCIAL

Appendix Table C 2. Census Bureau fact tables for ACS data series. Base URL for all API calls is: <https://api.census.gov/data/>. Census Bureau API also requires a unique user token which is not included in the table.

Metric	ACS Concept	ACS Fact Table	API URL
PCTBACHLRS_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0064PE&for=place:*&in=state:06,02,41,53,15
PCTNODIPLOMA_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0060PE&for=place:*&in=state:06,02,41,53,15
PCTPOP9THGRD_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0059PE&for=place:*&in=state:06,02,41,53,15
PCTPOPHSGRD_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0061PE&for=place:*&in=state:06,02,41,53,15
EAFEMALE_10TH_EST	Sex by Educational Attainment for The Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_025E&for=place:*&in=state:06,02,41,53,15
EAFEMALE_11TH_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_026E&for=place:*&in=state:06,02,41,53,15
EAFEMALE_12THNODIP_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B15002_027E&for=place:*&in=state:06,02,41,53,15
EAFEMALE_5TH6TH_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_022E&for=place:*&in=state:06,02,41,53,15
EAFEMALE_7TH8TH_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_023E&for=place:*&in=state:06,02,41,53,15
EAFEMALE_9TH_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B15002_024E&for=place:*&in=state:06,02,41,53,15
EAFEMALE_BCHLR_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B15002_032E&for=place:*&in=state:06,02,41,53,15
EAFEMALE_HSGRAD_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B15002_028E&for=place:*&in=state:06,02,41,53,15
EAFEMALE_LT4TH_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_021E&for=place:*&in=state:06,02,41,53,15
EAFEMALE_NOSCHL_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_020E&for=place:*&in=state:06,02,41,53,15
EAMALE_10TH_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_008E&for=place:*&in=state:06,02,41,53,15
EAMALE_11TH_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_009E&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
EAMALE_12THNODIP_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B15002_010E&for=place:*&in=state:06,02,41,53,15
EAMALE_5TH6TH_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_005E&for=place:*&in=state:06,02,41,53,15
EAMALE_7TH8TH_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_006E&for=place:*&in=state:06,02,41,53,15
EAMALE_9TH_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B15002_007E&for=place:*&in=state:06,02,41,53,15
EAMALE_BCHLR_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B15002_015E&for=place:*&in=state:06,02,41,53,15
EAMALE_HSGRAD_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B15002_011E&for=place:*&in=state:06,02,41,53,15
EAMALE_LT4TH_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_004E&for=place:*&in=state:06,02,41,53,15
EAMALE_NOSCHL_EST	Sex by Educational Attainment for the Population 25 Years and Over	Table B15002	2011/acs5?get=NAME,B15002_003E&for=place:*&in=state:06,02,41,53,15
EAPOP_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B15002_001E&for=place:*&in=state:06,02,41,53,15
MEANTRAVTIM_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0025E&for=place:*&in=state:06,02,41,53,15
PCTAGRFRFSH_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0033PE&for=place:*&in=state:06,02,41,53,15
PCTEMPFEA_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0013PE&for=place:*&in=state:06,02,41,53,15
PCTEMPLOYED_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0004PE&for=place:*&in=state:06,02,41,53,15
PCTFRMFSHOCC_EST	Sex by Occupation for the Civilian Employed Population 16 Years and Over	Table C24010	Calculated from API data
PCTLABFEMALE_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0012PE&for=place:*&in=state:06,02,41,53,15
PCTLABFORCE_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0003PE&for=place:*&in=state:06,02,41,53,15
PCTSERVIND_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0043PE&for=place:*&in=state:06,02,41,53,15
PCTSERVOCC_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0028PE&for=place:*&in=state:06,02,41,53,15
PCTSLFEMP_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0049PE&for=place:*&in=state:06,02,41,53,15
PCTUNEMPLD_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0005PE&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
TOTCNSTEXTRCT_EST	Occupation by Sex for the Civilian Employed Population 16 Years and Over	Table S2401	2017/acs/acs5/subject?get=NAME,S2401_C01_031E&for=place:*&in=state:06,02,41,53,15
TOTEMPLPOP_EST	Sex by Occupation for the Civilian Employed Population 16 Years and Over	Table C24010	2017/acs/acs5?get=NAME,C24010_001E&for=place:*&in=state:06,02,41,53,15
EMPCIVLAB_EST	Selected Economic Characteristics	Data Profile	2011/acs5?get=NAME,B23025_003E&for=place:*&in=state:06,02,41,53,15
EMPEMPLOYED_EST	Selected Economic Characteristics	Data Profile	2011/acs5?get=NAME,B23025_004E&for=place:*&in=state:06,02,41,53,15
EMPPOP_EST	Employment Status for the Population 16 Years and Over	Table B23025	2011/acs5?get=NAME,B23025_001E&for=place:*&in=state:06,02,41,53,15
EMPUNEMPLD_EST	Selected Economic Characteristics	Data Profile	2011/acs5?get=NAME,B23025_005E&for=place:*&in=state:06,02,41,53,15
FRMFSHOCCFM_EST	Sex by Occupation for the Civilian Employed Population 16 Years and Over	Table C24010	2017/acs/acs5?get=NAME,C24010_067E&for=place:*&in=state:06,02,41,53,15
FRMFSHOCCML_EST	Sex by Occupation for the Civilian Employed Population 16 Years and Over	Table C24010	2017/acs/acs5?get=NAME,C24010_031E&for=place:*&in=state:06,02,41,53,15
SLFEMPFM_EST	Sex By Class Of Worker For The Civilian Employed Population 16 Years and Over	Table B24080	2011/acs5?get=NAME,B24080_020E&for=place:*&in=state:06,02,41,53,15
SLFEMPML_EST	Sex By Class Of Worker For The Civilian Employed Population 16 Years and Over	Table B24080	2011/acs5?get=NAME,B24080_010E&for=place:*&in=state:06,02,41,53,15
TRAVTIMAGG_EST	Aggregate Travel Time to Work (in Minutes) of Workers by Sex	Table B08013	2011/acs5?get=NAME,B08013_001E&for=place:*&in=state:06,02,41,53,15
TRAVTIMPOP_EST	Sex of Workers by Travel Time to Work	Table B08012	2011/acs5?get=NAME,B08012_001E&for=place:*&in=state:06,02,41,53,15
GINIINDX	Gini Index Of Income Inequality	Table B19083	2017/acs/acs5?get=NAME,B19083_001E&for=place:*&in=state:06,02,41,53,15
MEANHHC_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0063E&for=place:*&in=state:06,02,41,53,15
MEANRETINC_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0069E&for=place:*&in=state:06,02,41,53,15
MEDHHC_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0062E&for=place:*&in=state:06,02,41,53,15
PCTHH200K_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0061PE&for=place:*&in=state:06,02,41,53,15
PCTHHUNDR10K_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0052PE&for=place:*&in=state:06,02,41,53,15
PCTPUBLICASSIST_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0072PE&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
PCTRECRET_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0068PE&for=place:*&in=state:06,02,41,53,15
PCTRECSOC_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0066PE&for=place:*&in=state:06,02,41,53,15
PCTRECSSI_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0070PE&for=place:*&in=state:06,02,41,53,15
PERCPHHINC_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0088E&for=place:*&in=state:06,02,41,53,15
RETINCHH_EST	Retirement Income for Households	Table B19059	2011/acs5?get=NAME,B19059_002E&for=place:*&in=state:06,02,41,53,15
RETINCTOT_EST	Aggregate Retirement Income for Households	Table B19069	2011/acs5?get=NAME,B19069_001E&for=place:*&in=state:06,02,41,53,15
PCT65POV_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0135PE&for=place:*&in=state:06,02,41,53,15
PCTCHLDPOV_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0129PE&for=place:*&in=state:06,02,41,53,15
PCTFMINPOV_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0119PE&for=place:*&in=state:06,02,41,53,15
PCTPOV_EST	Selected Economic Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP03_0128PE&for=place:*&in=state:06,02,41,53,15
FMINPOV_EST	Selected Economic Characteristics	Data Profile	2011/acs5?get=NAME,B17023_002E&for=place:*&in=state:06,02,41,53,15
FMINPOVTOT_EST	Poverty Status in the Past 12 Months of Families by Household Type by Number of Own Children Under 18 Yrs	Table B17023	2011/acs5?get=NAME,B17023_001E&for=place:*&in=state:06,02,41,53,15
POVFEML_12TO14YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_021E&for=place:*&in=state:06,02,41,53,15
POVFEML_15YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_022E&for=place:*&in=state:06,02,41,53,15
POVFEML_16TO17YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_023E&for=place:*&in=state:06,02,41,53,15
POVFEML_5YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_019E&for=place:*&in=state:06,02,41,53,15
POVFEML_65TO74YRS_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_029E&for=place:*&in=state:06,02,41,53,15
POVFEML_6TO11YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_020E&for=place:*&in=state:06,02,41,53,15
POVFEML_OLDR75_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_030E&for=place:*&in=state:06,02,41,53,15
POVFEML_UNDR5YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_018E&for=place:*&in=state:06,02,41,53,15
POVML_12TO14YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_007E&for=place:*&in=state:06,02,41,53,15
POVML_15YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_008E&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
POVML_16TO17YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_009E&for=place:*&in=state:06,02,41,53,15
POVML_5YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_005E&for=place:*&in=state:06,02,41,53,15
POVML_65TO74YRS_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_015E&for=place:*&in=state:06,02,41,53,15
POVML_6TO11YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_006E&for=place:*&in=state:06,02,41,53,15
POVML_OLDR75_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_016E&for=place:*&in=state:06,02,41,53,15
POVML_UNDR5YR_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_004E&for=place:*&in=state:06,02,41,53,15
POVPOP_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_002E&for=place:*&in=state:06,02,41,53,15
POVTOT_EST	Poverty Status in the past 12 Months by Sex by Age	Table B17001	2011/acs5?get=NAME,B17001_001E&for=place:*&in=state:06,02,41,53,15
TOTFRMFSHOCC_EST	Occupation by Sex for the Civilian Employed Population 16 Years and Over	Table S2401	2017/acs/acs5/subject?get=NAME,S2401_C01_030E&for=place:*&in=state:06,02,41,53,15
TOTMAINT_EST	Occupation by Sex for the Civilian Employed Population 16 Years and Over	Table S2401	2017/acs/acs5/subject?get=NAME,S2401_C01_032E&for=place:*&in=state:06,02,41,53,15
PCTBLT2000_EST	Selected Housing Characteristics	Data Profile	Calculated from API data
PCTBLT2005_EST	Selected Housing Characteristics	Data Profile	Calculated from API data
PCTMOV2000TO04_EST	Selected Housing Characteristics	Data Profile	Calculated from API data
PCTMOV2005_EST	Selected Housing Characteristics	Data Profile	Calculated from API data
GRPQRTRS_TOTAL_EST	Group Quarters Population	Table B26001	2017/acs/acs5?get=NAME,B26001_001E&for=place:*&in=state:06,02,41,53,15
HASMORTGAGELON_EST	Mortgage Status	Table B25081	2017/acs/acs5?get=NAME,B25081_006E&for=place:*&in=state:06,02,41,53,15
HMOWNVAC_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0004E&for=place:*&in=state:06,02,41,53,15
HOUSUNITNUM_OWNOCC_EST	Mortgage Status	Table B25081	2017/acs/acs5?get=NAME,B25081_001E&for=place:*&in=state:06,02,41,53,15
HUMNR_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0037E&for=place:*&in=state:06,02,41,53,15
MDYRMOVEDIN_EST	Median Year Householder Moved into Unit by Tenure	Table B25039	2017/acs/acs5?get=NAME,B25039_001E&for=place:*&in=state:06,02,41,53,15
MDYRSRESID_EST	Median Year Householder Moved into Unit by Tenure	Table B25039	Calculated from API data
MED_GRRNT_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0134E&for=place:*&in=state:06,02,41,53,15
MED_MTMRG_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0101E&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
MEDDWELLAGE_EST	Median Year Structure Built	Table B25035	Calculated from API data
MEDDWELLBUILT_EST	Median year structure built	Table B25035	2017/acs/acs5?get=NAME,B25035_001E&for=place:*&in=state:06,02,41,53,15
MEDHOMVAL_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0089E&for=place:*&in=state:06,02,41,53,15
PCTBLT2000_2009_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0019PE&for=place:*&in=state:06,02,41,53,15
PCTBLT2010_2013_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0018PE&for=place:*&in=state:06,02,41,53,15
PCTBLT2014_LAT_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0017PE&for=place:*&in=state:06,02,41,53,15
PCTGRPQRTS_TOTAL_EST	Group Quarters Population	Table B26001	Calculated from API data
PCTHASMORTGAGE_EST	Selected Housing Characteristics	Data Profile	Calculated from API data
PCTHOUSHEATFUEL_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0066PE&for=place:*&in=state:06,02,41,53,15
PCTHSMORTGAGELON_EST	Mortgage Status	Table B25081	Calculated from API data
PCTMBLHM_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0014PE&for=place:*&in=state:06,02,41,53,15
PCTMOV2000_2009_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0053PE&for=place:*&in=state:06,02,41,53,15
PCTMOV2010_2014_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0052PE&for=place:*&in=state:06,02,41,53,15
PCTMOV2010_LAT_EST	Selected Housing Characteristics	Data Profile	2014/acs5/profile?get=NAME,DP04_0050PE&for=place:*&in=state:06,02,41,53,15
PCTMOV2015_LAT_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0051PE&for=place:*&in=state:06,02,41,53,15
PCTNOPLBG_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0073PE&for=place:*&in=state:06,02,41,53,15
PCTNOVHCL_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0058PE&for=place:*&in=state:06,02,41,53,15
PCTOWNER_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0046PE&for=place:*&in=state:06,02,41,53,15
PCTOWNRMTHLYCST_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0015PE&for=place:*&in=state:06,02,41,53,15
PCTRENTNER_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0047PE&for=place:*&in=state:06,02,41,53,15
PCTRENTRMTHLYCST_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0042PE&for=place:*&in=state:06,02,41,53,15
PCTVACANT_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0003PE&for=place:*&in=state:06,02,41,53,15
POPRENTUNITS_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5?get=NAME,B25008_003E&for=place:*&in=state:06,02,41,53,15
RENTVAC_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0005E&for=place:*&in=state:06,02,41,53,15
TOTHU_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0006E&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
TOTOCCHU_EST	Household Type by Unites in Structure	Table B11011	2017/acs/acs5?get=NAME,B11011_001E&for=place:*&in=state:06,02,41,53,15
TOTOWNOCCHU_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0046E&for=place:*&in=state:06,02,41,53,15
TOTRETOCCHU_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0047E&for=place:*&in=state:06,02,41,53,15
TOTVACANTHU_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0003E&for=place:*&in=state:06,02,41,53,15
BLT2000_2004_EST	Year Structure Built	Table B25034	2011/acs5?get=NAME,B25034_003E&for=place:*&in=state:06,02,41,53,15
BLT2000_2009_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0019E&for=place:*&in=state:06,02,41,53,15
BLT2005_EST	Year Structure Built	Table B25034	2011/acs5?get=NAME,B25034_002E&for=place:*&in=state:06,02,41,53,15
BLTTOT_EST	Year Structure Built	Table B25034	2011/acs5?get=NAME,B25034_001E&for=place:*&in=state:06,02,41,53,15
HASMORTGAGE_EST	Mortgage Status	Table B25081	2017/acs/acs5?get=NAME,B25081_002E&for=place:*&in=state:06,02,41,53,15
VACANTHU_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25002_003E&for=place:*&in=state:06,02,41,53,15
HUHEAT_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25040_001E&for=place:*&in=state:06,02,41,53,15
HUHEATFUEL_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25040_005E&for=place:*&in=state:06,02,41,53,15
HUMORT_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25091_001E&for=place:*&in=state:06,02,41,53,15
HUMORTBT35_40_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25091_009E&for=place:*&in=state:06,02,41,53,15
HUMORTBT40_50_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25091_010E&for=place:*&in=state:06,02,41,53,15
HUMORTGE_50_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25091_011E&for=place:*&in=state:06,02,41,53,15
HUMORTNONCOMP_EST	Mortgage Status by Selected Monthly Owner Costs as a Percentage of Household Income	Table B25091	2011/acs5?get=NAME,B25091_012E&for=place:*&in=state:06,02,41,53,15
HUNOPLBG_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25048_003E&for=place:*&in=state:06,02,41,53,15
HUNOVHCL_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B08201_002E&for=place:*&in=state:06,02,41,53,15
HUOWNER_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25032_002E&for=place:*&in=state:06,02,41,53,15
HUPLUMB_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25048_001E&for=place:*&in=state:06,02,41,53,15
HURENT_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25070_001E&for=place:*&in=state:06,02,41,53,15
HURENT35_40_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25070_008E&for=place:*&in=state:06,02,41,53,15
HURENT40_50_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25070_009E&for=place:*&in=state:06,02,41,53,15
HURENTER_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25032_013E&for=place:*&in=state:06,02,41,53,15
HURENTGE_50_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25070_010E&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
HURENTNONCOMP_EST	Gross Rent as a Percent of Household Income	Table B25070	2011/acs5?get=NAME,B25070_011E&for=place:*&in=state:06,02,41,53,15
HUTRANS_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B08201_001E&for=place:*&in=state:06,02,41,53,15
MBLHM_EST	Selected Housing Characteristics	Data Profile	2011/acs5?get=NAME,B25024_010E&for=place:*&in=state:06,02,41,53,15
MOV2000TO04_EST	Selected Housing Characteristics	Data Profile	Calculated from API data
MOV2005_EST	Selected Housing Characteristics	Data Profile	Calculated from API data
MOVOWN2000_2004_EST	Tenure by Year Householder Moved into Unit	Table B25038	2011/acs5?get=NAME,B25038_004E&for=place:*&in=state:06,02,41,53,15
MOVOWN2005_EST	Tenure by Year Householder Moved into Unit	Table B25038	2011/acs5?get=NAME,B25038_003E&for=place:*&in=state:06,02,41,53,15
MOVRENT2000_2004_EST	Tenure by Year Householder Moved into Unit	Table B25038	2011/acs5?get=NAME,B25038_011E&for=place:*&in=state:06,02,41,53,15
MOVRENT2005_EST	Tenure by Year Householder Moved into Unit	Table B25038	2011/acs5?get=NAME,B25038_010E&for=place:*&in=state:06,02,41,53,15
MOVTOT_EST	Tenure by Year Householder Moved into Unit	Table B25038	2011/acs5?get=NAME,B25038_001E&for=place:*&in=state:06,02,41,53,15
BLT2010_2013_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0018E&for=place:*&in=state:06,02,41,53,15
BLT2010_LAT_EST	Selected Housing Characteristics	Data Profile	2014/acs5/profile?get=NAME,DP04_0017E&for=place:*&in=state:06,02,41,53,15
BLT2014_LAT_EST	Selected Housing Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP04_0017E&for=place:*&in=state:06,02,41,53,15
CIVLABAGRFRFSH_EST	Means of Transportation to Work by Occupation	Table B08124	2011/acs5?get=NAME,B08126_002E&for=place:*&in=state:06,02,41,53,15
CIVLABFRMFSH_EST	Means of Transportation to Work by Occupation	Table B08124	2011/acs5?get=NAME,B08124_005E&for=place:*&in=state:06,02,41,53,15
CIVLABFRMFSH_FM_EST	Sex by Occupation for the Civilian Employed Population 16 Years and Over	Table C24010	2011/acs5?get=NAME,C24010_066E&for=place:*&in=state:06,02,41,53,15
CIVLABFRMFSH_ML_EST	Sex by Occupation for the Civilian Employed Population 16 Years and Over	Table C24010	2011/acs5?get=NAME,C24010_029E&for=place:*&in=state:06,02,41,53,15
CIVLABPOP_EST	Industry by Occupation for the Civilian Employed Population 16 Years and Over	Table C24050	2011/acs5?get=NAME,C24050_001E&for=place:*&in=state:06,02,41,53,15
CIVLABSERV_EST	Means of Transportation to Work by Occupation	Table B08124	2011/acs5?get=NAME,B08124_003E&for=place:*&in=state:06,02,41,53,15
CIVLABSERVIND_EST	Industry by Occupation for the Civilian Employed Population 16 Years and Over	Table C24050	2011/acs5?get=NAME,C24050_012E&for=place:*&in=state:06,02,41,53,15
CIVLABSLFEMP_EST	Employment Status for the Population 16 Years and Over	Table B23025	2011/acs5?get=NAME,B08128_004E&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
POPAAPCT_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0044PE&for=place:*&in=state:06,02,41,53,15
POPBAPCT_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0038PE&for=place:*&in=state:06,02,41,53,15
POPHSPCT_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0071PE&for=place:*&in=state:06,02,41,53,15
POPNAAPCT_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0039PE&for=place:*&in=state:06,02,41,53,15
POPPAPCT_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0052PE&for=place:*&in=state:06,02,41,53,15
POPWAPCT_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0037PE&for=place:*&in=state:06,02,41,53,15
POPWNPCT_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0077PE&for=place:*&in=state:06,02,41,53,15
POPAA_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B02001_005E&for=place:*&in=state:06,02,41,53,15
POPBA_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B02001_003E&for=place:*&in=state:06,02,41,53,15
POPHS_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B01001H_001E&for=place:*&in=state:06,02,41,53,15
POPNA_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B02001_004E&for=place:*&in=state:06,02,41,53,15
POPPA_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B02001_006E&for=place:*&in=state:06,02,41,53,15
POPWA_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B02001_002E&for=place:*&in=state:06,02,41,53,15
POPWN_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B01001H_001E&for=place:*&in=state:06,02,41,53,15
MEDAGE_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0018E&for=place:*&in=state:06,02,41,53,15
PCTFEMALE_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0003PE&for=place:*&in=state:06,02,41,53,15
PCTFEMALEDIVORCD_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0035PE&for=place:*&in=state:06,02,41,53,15
PCTFEMALESEPARATD_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0033PE&for=place:*&in=state:06,02,41,53,15
PCTFORBRN_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0092PE&for=place:*&in=state:06,02,41,53,15
PCTLIVEDFCO_SMST_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0083PE&for=place:*&in=state:06,02,41,53,15
PCTLIVEDFST_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0084PE&for=place:*&in=state:06,02,41,53,15
PCTLIVESMHS_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0079PE&for=place:*&in=state:06,02,41,53,15
PCTMALE_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0002PE&for=place:*&in=state:06,02,41,53,15
PCTMALEDIVORCD_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0029PE&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
PCTMALESEPARATD_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0027PE&for=place:*&in=state:06,02,41,53,15
PCTSPKENGNTWL_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0113PE&for=place:*&in=state:06,02,41,53,15
POPO_5PCT_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0005PE&for=place:*&in=state:06,02,41,53,15
POP85PCT_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0017PE&for=place:*&in=state:06,02,41,53,15
POPDENS_EST	Demographic and Housing Estimates	Data Profile	Calculated from API data
TOTPOP_EST	Demographic and Housing Estimates	Data Profile	2017/acs/acs5/profile?get=NAME,DP05_0001E&for=place:*&in=state:06,02,41,53,15
GM_LIVEDFCO_SMST_EST	Geographical Mobility in the Past Year by Age for Current Residence in the U.S.	Table B07001	2011/acs5?get=NAME,B07001_049E&for=place:*&in=state:06,02,41,53,15
GM_LIVEDFST_EST	Geographical Mobility in the Past Year by Age for Current Residence in the U.S.	Table B07001	2011/acs5?get=NAME,B07204_011E&for=place:*&in=state:06,02,41,53,15
GM_LIVESMHS_EST	Geographical Mobility in the Past Year by Age for Current Residence in the U.S.	Table B07001	2011/acs5?get=NAME,B07001_017E&for=place:*&in=state:06,02,41,53,15
GMFORBRN_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B05002_013E&for=place:*&in=state:06,02,41,53,15
GMTOT_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B07001_001E&for=place:*&in=state:06,02,41,53,15
POPFEMALE_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B01001_026E&for=place:*&in=state:06,02,41,53,15
POPFEMALE0_5_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B01001_027E&for=place:*&in=state:06,02,41,53,15
POPFEMALE85_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B01001_049E&for=place:*&in=state:06,02,41,53,15
POPMALE_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B01001_002E&for=place:*&in=state:06,02,41,53,15
POPMALE0_5_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B01001_003E&for=place:*&in=state:06,02,41,53,15
POPMALE85_EST	Demographic and Housing Estimates	Data Profile	2011/acs5?get=NAME,B01001_025E&for=place:*&in=state:06,02,41,53,15
SPKENGNTWL1_EST	Place of Birth by Language Spoken at Home and Ability to Speak English in the United States	Table B06007	2011/acs5?get=NAME,B06007_005E&for=place:*&in=state:06,02,41,53,15
SPKENGNTWL2_EST	Place of Birth by Language Spoken at Home and Ability to Speak English in the United States	Table B06007	2011/acs5?get=NAME,B06007_008E&for=place:*&in=state:06,02,41,53,15
SPKENGNTWLTOT_EST	Place of Birth by Language Spoken at Home and Ability to Speak English in the United States	Table B06007	2011/acs5?get=NAME,B06007_001E&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
GMDIFCTY_SMST_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B07204_006E&for=place:*&in=state:06,02,41,53,15
GMLT1YR_EST	Geographical Mobility in the Past Year for Current Residence	Table B07204	2011/acs5?get=NAME,B07204_001E&for=place:*&in=state:06,02,41,53,15
GMSMHSE_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B07201_002E&for=place:*&in=state:06,02,41,53,15
MSFEMALE_DIV_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B12002_173E&for=place:*&in=state:06,02,41,53,15
MSFEMALE_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B12002_095E&for=place:*&in=state:06,02,41,53,15
MSFEMALE_SEP_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B12002_128E&for=place:*&in=state:06,02,41,53,15
MSMALE_DIV_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B12002_080E&for=place:*&in=state:06,02,41,53,15
MSMALE_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B12002_002E&for=place:*&in=state:06,02,41,53,15
MSMALE_SEP_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B12002_035E&for=place:*&in=state:06,02,41,53,15
AVGHHSZE_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0015E&for=place:*&in=state:06,02,41,53,15
PCTHFOFMNOHS_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0008PE&for=place:*&in=state:06,02,41,53,15
PCTHHUNDR18_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0013PE&for=place:*&in=state:06,02,41,53,15
PCTHHUOVER65_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0012PE&for=place:*&in=state:06,02,41,53,15
TOTHH_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0001E&for=place:*&in=state:06,02,41,53,15
HHFAM_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B11002_002E&for=place:*&in=state:06,02,41,53,15
HHFAMFMNOHS_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B11002_009E&for=place:*&in=state:06,02,41,53,15
HHINC200K_EST	Household Income	Table B19001	2011/acs5?get=NAME,B19001_017E&for=place:*&in=state:06,02,41,53,15
HHINCAGG_EST	Aggregate Earnings for Households	Table B19061	2011/acs5?get=NAME,B19061_001E&for=place:*&in=state:06,02,41,53,15
HHINCHH_EST	Earnings for Households	Table B19051	2011/acs5?get=NAME,B19051_002E&for=place:*&in=state:06,02,41,53,15
HHINCRET_EST	Retirement Income for Households	Table B19059	2011/acs5?get=NAME,B19059_001E&for=place:*&in=state:06,02,41,53,15
HHINCUNDR10K_EST	Selected Economic Characteristics	Data Profile	2011/acs5?get=NAME,B19001_002E&for=place:*&in=state:06,02,41,53,15
HHOVER65_1ORMR_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B11007_002E&for=place:*&in=state:06,02,41,53,15
HHOVER65_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B11007_001E&for=place:*&in=state:06,02,41,53,15
HHPUBLICASSIST_EST	Public Assistance Income for Households	Table B19057	2011/acs5?get=NAME,B19057_002E&for=place:*&in=state:06,02,41,53,15
HHPUBLICASSISTTOT_EST	Public Assistance Income for Households	Table B19057	2011/acs5?get=NAME,B19057_001E&for=place:*&in=state:06,02,41,53,15
HHRECRET_EST	Retirement Income for Households	Table B19059	2011/acs5?get=NAME,B19059_002E&for=place:*&in=state:06,02,41,53,15

Metric	ACS Concept	ACS Fact Table	API URL
HHRECSOC_EST	Social Security Income for Households	Table B19055	2011/acs5?get=NAME,B19055_002E&for=place:*&in=state:06,02,41,53,15
HHRECSSI_EST	Supplemental Security Income (SSI) for Households	Table B19056	2011/acs5?get=NAME,B19056_002E&for=place:*&in=state:06,02,41,53,15
HHTYPTOT_EST	Relationship by Household Type (Including Living Alone) for the Population 65 Years and Over	Table B09017	2011/acs5?get=NAME,B09017_001E&for=place:*&in=state:06,02,41,53,15
HHUNDR18_1ORMR_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B11005_002E&for=place:*&in=state:06,02,41,53,15
HHUNDR18_EST	Selected Social Characteristics	Data Profile	2011/acs5?get=NAME,B11005_001E&for=place:*&in=state:06,02,41,53,15
TOTHFOFMNOHS_EST	Selected Social Characteristics	Data Profile	2017/acs/acs5/profile?get=NAME,DP02_0008E&for=place:*&in=state:06,02,41,53,15

Appendix Table C 3. Decennial Census data series descriptions and API URLs.

Metric	Metric Description	API URL
ALAND	Land mass (square meters)	http://api.census.gov/data/local?get=NAME,&for=place:*&in=state:06,02,41,53
AVGHHSZE	Average household size	http://api.census.gov/data/2010/sf1?get=NAME,H0120001&for=place:*&in=state:06,02,41,53
FEMHHNOHS_OWN	Female head of households with no husband present in owner occupied housing based on the census count	http://api.census.gov/data/2000/sf1?get=NAME,H017013&for=place:*&in=state:06,02,41,53
FEMHHNOHS_RENT	Female head of households with no husband present in renter occupied housing based on the census count	http://api.census.gov/data/2000/sf1?get=NAME,H017047&for=place:*&in=state:06,02,41,53
GRPQRTRS_TOTAL	Total population living in group quarters, used for calculation of PCTGRPQRTRS_TOTAL	http://api.census.gov/data/2010/sf1?get=NAME,P0510001&for=place:*&in=state:06,02,41,53
HMOWNOCC	Total housing units owner occupied - Used for calculation of HMOWNVAC	http://api.census.gov/data/2000/sf1?get=NAME,H004002&for=place:*&in=state:06,02,41,53
HMOWNOCC_FREE	Total housing units owned free and clear	http://api.census.gov/data/2010/sf1?get=NAME,H004003&for=place:*&in=state:06,02,41,53
HMOWNOCC_MORT	Total housing units owned with a mortgage	http://api.census.gov/data/2010/sf1?get=NAME,H004002&for=place:*&in=state:06,02,41,53
HMOWNVAC	Total housing units vacant	Calculated from API data
HMRETOCC	Total housing units renter-occupied	http://api.census.gov/data/2010/sf1?get=NAME,H004004&for=place:*&in=state:06,02,41,53
HOMEOWNVAL00CEN	Median value specified for owner-occupied housing units	http://api.census.gov/data/2000/sf3?get=NAME,H076001&for=place:*&in=state:06,02,41,53
MEDAGE	Median age	http://api.census.gov/data/2010/sf1?get=NAME,P013001&for=place:*&in=state:06,02,41,53
PCTFEMALE	Female population, percent of total population	Calculated from API data
PCTGRPQRTRS_TOTAL	Percent of population living in group quarters	Calculated from API data
PCTHFOFMNOHS	Percent of households with female head of household with no husband present	Calculated from API data
PCTHHOVER65	Percent of households with at least one member over age 65	Calculated from API data
PCTHHUNDR18	Percent of households with at least one member under age 18	Calculated from API data
PCTMALE	Male population, percent of total population	Calculated from API data
PCTOWNER	Percent of housing units owner-occupied	Calculated from API data
PCTRENTER	Percent of housing units renter-occupied	Calculated from API data
PCTVACANT	Percent of housing units vacant	Calculated from API data
POPO_5PCT	Percent of population age 0 to 5	Calculated from API data

Metric	Metric Description	API URL
POP0_5_FEMALE	Female population under 5 years	http://api.census.gov/data/2010/sf1?get=NAME,P012027&for=place:*&in=state:06,02,41,53
POP0_5_MALE	Male population under 5 years	http://api.census.gov/data/2010/sf1?get=NAME,P012003&for=place:*&in=state:06,02,41,53
POP85_FEMALE	Female population 85 years and over	http://api.census.gov/data/2010/sf1?get=NAME,P012049&for=place:*&in=state:06,02,41,53
POP85_MALE	Male population 85 years and over	http://api.census.gov/data/2010/sf1?get=NAME,P0120025&for=place:*&in=state:06,02,41,53
POP85_PCT	Percent of population 85 years and over	Calculated from API data
POPAA	Total population Asian Alone	http://api.census.gov/data/2010/sf1?get=NAME,P003005&for=place:*&in=state:06,02,41,53
POPAAPCT	Asian Alone population, percent of total population	Calculated from API data
POPBA	Total population Black Alone	http://api.census.gov/data/2010/sf1?get=NAME,P003003&for=place:*&in=state:06,02,41,53
POPBA PCT	Black Alone population, percent of total population	Calculated from API data
POPDENS	Population density	Calculated from API data
POPHS	Total Hispanic or Latino population	http://api.census.gov/data/2010/sf1?get=NAME,P0040003&for=place:*&in=state:06,02,41,53
POPHSPCT	Hispanic or Latino population, percent of total population	Calculated from API data
POPNA	Total population American Indian or Alaska Native Alone	http://api.census.gov/data/2010/sf1?get=NAME,P0030004&for=place:*&in=state:06,02,41,53
POPNA PCT	American Indian or Alaska Native Alone population, percent of total population	Calculated from API data
POPPIA	Total population Native Hawaiian and Other Pacific Islander Alone	http://api.census.gov/data/2010/sf1?get=NAME,P0030006&for=place:*&in=state:06,02,41,53
POPPIA PCT	Native Hawaiian and Other Pacific Islander Alone population, percent of total population	Calculated from API data
POPRENT	Total population in occupied housing units, renter occupied	http://api.census.gov/data/2010/sf1?get=NAME,H011004&for=place:*&in=state:06,02,41,53
POPWA	Total White Alone population	http://api.census.gov/data/2010/sf1?get=NAME,P003002&for=place:*&in=state:06,02,41,53
POPWA PCT	Total White Alone population, percent of total population	Calculated from API data
POPWN	Total population White Alone, not Hispanic or Latino	http://api.census.gov/data/2010/sf1?get=NAME,P0050003&for=place:*&in=state:06,02,41,53
POPWNPCT	Total population White Alone, not Hispanic or Latino, percent of total population	Calculated from API data
RENT00CEN	Median gross rent in renter occupied housing units paying cash rent	http://api.census.gov/data/2000/sf3?get=NAME,H063001&for=place:*&in=state:06,02,41,53

Metric	Metric Description	API URL
RENTVAC	Vacant renter occupied housing units	Calculated from API data
SMOC00CEN	Median selected monthly owner cost for housing units with a mortgage	http://api.census.gov/data/2000/sf3?get=NAME,H091001&for=place:*&in=state:06,02,41,53
TOTFAMHH	Total family households	http://api.census.gov/data/2010/sf1?get=NAME,P018002&for=place:*&in=state:06,02,41,53
TOTFEMALE	Total female population	http://api.census.gov/data/2010/sf1?get=NAME,P012026&for=place:*&in=state:06,02,41,53
TOTHFOFMNOHS	Total family households with female head of household, no husband present	http://api.census.gov/data/2010/sf1?get=NAME,P018006&for=place:*&in=state:06,02,41,53
TOTHH	Total households	http://api.census.gov/data/2010/sf1?get=NAME,P018001&for=place:*&in=state:06,02,41,53
TOTHHOVER65	Total households with one or more persons 65 years and over	http://api.census.gov/data/2010/sf1?get=NAME,P025002&for=place:*&in=state:06,02,41,53
TOTHHUNDR18	Total households with one or more persons under 18 years	http://api.census.gov/data/2010/sf1?get=NAME,P020002&for=place:*&in=state:06,02,41,53
TOTHU	Total housing units	http://api.census.gov/data/2010/sf1?get=NAME,H001001&for=place:*&in=state:06,02,41,53
TOTMALE	Total male population	http://api.census.gov/data/2010/sf1?get=NAME,P012002&for=place:*&in=state:06,02,41,53
TOTOCCHU	Total occupied housing units	http://api.census.gov/data/2010/sf1?get=NAME,H003002&for=place:*&in=state:06,02,41,53
TOTPOP	Total population	http://api.census.gov/data/2010/sf1?get=NAME,P001001&for=place:*&in=state:06,02,41,53
VACANTHU	Total vacant housing units	http://api.census.gov/data/2010/sf1?get=NAME,H003003&for=place:*&in=state:06,02,41,53
VACANT_FORRENT	Total housing units for rent	http://api.census.gov/data/2010/sf1?get=NAME,H005002&for=place:*&in=state:06,02,41,53
VACANT_FORSALE	Total housing units for sale	http://api.census.gov/data/2010/sf1?get=NAME,H005004&for=place:*&in=state:06,02,41,53
VACANT_RENTED	Total housing units rented, not occupied	http://api.census.gov/data/2010/sf1?get=NAME,H005003&for=place:*&in=state:06,02,41,53
VACANT_SOLDNOTOCC	Total housing units sold, not occupied	http://api.census.gov/data/2010/sf1?get=NAME,H005005&for=place:*&in=state:06,02,41,53

Appendix Table C 4. BEA summary data from Table CA1.

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA1	PI_PERS_INC	Personal income	1969	2016
CA1	PI_PERS_INC_PC	Per capita personal income	1969	2016
CA1	PI_POP	Population	1969	2016

Appendix Table C 5. BEA data series from Table CA25.

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA25	EMP_AGR_FOR_FISH	Private nonfarm earnings: Agricultural services, forestry, and fishing	1969	2000
CA25	EMP_CONSTR	Private nonfarm employment: Construction	1969	2000
CA25	EMP_FARM	Farm employment	1969	2000
CA25	EMP_FARM_PROP	Farm proprietors employment	1969	2000
CA25	EMP_FIN_INS_RE	Private nonfarm employment: Finance, insurance, and real estate	1969	2000
CA25	EMP_GOVT_ENT	Employment: Government (govt.) and government enterprises	1969	2000
CA25	EMP_GOVT_FED	Govt. and govt. enterprises employment: Federal, civilian	1969	2000
CA25	EMP_GOVT_LOC	Govt. and govt. enterprises employment: Local government	1969	2000
CA25	EMP_GOVT_MILITARY	Govt. and govt. enterprises employment: Military	1969	2000
CA25	EMP_GOVT_STATE	Govt. and govt. enterprises employment: State government	1969	2000
CA25	EMP_GOVT_STATE_LOC	Govt. and govt. enterprises employment: State and local	1969	2000
CA25	EMP_MFG	Private nonfarm employment: Manufacturing	1969	2000
CA25	EMP_MINE	Private nonfarm employment: Mining	1969	2000
CA25	EMP_NONFARM	Nonfarm employment	1969	2000
CA25	EMP_NONFARM_PROP	Nonfarm proprietors employment	1969	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA25	EMP_PRIV_NONFARM	Private nonfarm employment	1969	2000
CA25	EMP_PROP	Proprietors employment	1969	2000
CA25	EMP_RETAIL	Private nonfarm employment: Retail trade	1969	2000
CA25	EMP_SVCS	Private nonfarm employment: Services	1969	2000
CA25	EMP_TOTAL	Total employment	1969	2000
CA25	EMP_TRANS_UTIL	Private nonfarm employment: Transportation and public utilities	1969	2000
CA25	EMP_WAGE	Wage and salary employment	1969	2000
CA25	EMP_WHOLE	Private nonfarm employment: Wholesale trade	1969	2000

Appendix Table C 6. BEA data series from Table CA25N.

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA25N	EMP_ARTS_REC	Private nonfarm employment: Arts, entertainment, and recreation	2001	2016
CA25N	EMP_COMP_MGT	Private nonfarm employment: Management of companies and enterprises	2001	2016
CA25N	EMP_CONSTR	Private nonfarm employment: Construction	2001	2016
CA25N	EMP_EDUC_SVC	Private nonfarm employment: Educational services	2001	2016
CA25N	EMP_FARM	Farm employment	2001	2016
CA25N	EMP_FARM_PROP	Farm proprietors employment	2001	2016
CA25N	EMP_FIN_INS	Private nonfarm employment: Finance and insurance	2001	2016
CA25N	EMP_FOR_FISH	Private nonfarm employment: Forestry, fishing, and related activities	2001	2016
CA25N	EMP_GOVT_ENT	Employment: Government and government enterprises	2001	2016
CA25N	EMP_GOVT_FED	Govt. and govt. enterprises employment: Federal, civilian	2001	2016
CA25N	EMP_GOVT_LOC	Govt. and govt. enterprises employment: Local government	2001	2016
CA25N	EMP_GOVT_MILITARY	Govt. and govt. enterprises employment: Military	2001	2016
CA25N	EMP_GOVT_STATE	Govt. and govt. enterprises employment: State government	2001	2016
CA25N	EMP_GOVT_STATE_LOC	Govt. and govt. enterprises employment: State and local	2001	2016
CA25N	EMP_HEALTH_SVC	Private nonfarm employment: Health care and social assistance	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA25N	EMP_HOTEL_FOOD	Private nonfarm employment: Accommodation and food services	2001	2016
CA25N	EMP_INFORMATION	Private nonfarm employment: Information	2001	2016
CA25N	EMP_MFG	Private nonfarm employment: Manufacturing	2001	2016
CA25N	EMP_MINE	Private nonfarm employment: Mining, quarrying, and oil and gas extraction	2001	2016
CA25N	EMP_NONFARM	Nonfarm employment	2001	2016
CA25N	EMP_NONFARM_PROP	Nonfarm proprietors employment	2001	2016
CA25N	EMP_PRIV_NONFARM	Private nonfarm employment	2001	2016
CA25N	EMP_PROP	Proprietors employment	2001	2016
CA25N	EMP_REAL_ESTATE_RENT	Private nonfarm employment: Real estate and rental and leasing	2001	2016
CA25N	EMP_RETAIL	Private nonfarm employment: Retail trade	2001	2016
CA25N	EMP_SCIENCE_TECH	Private nonfarm employment: Professional, scientific, and technical services	2001	2016
CA25N	EMP_SVC_OTHR	Private nonfarm employment: Other services (except public administration)	2001	2016
CA25N	EMP_TOTAL	Total employment	2001	2016
CA25N	EMP_TRANS_WARE	Private nonfarm employment: Transportation and warehousing	2001	2016
CA25N	EMP_UTIL	Private nonfarm employment: Utilities	2001	2016
CA25N	EMP_WAGE	Wage and salary employment	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA25N	EMP_WASTE_SVC	Private nonfarm employment: Administrative and support and waste management and remediation services	2001	2016
CA25N	EMP_WHOLE	Private nonfarm employment: Wholesale trade	2001	2016

Appendix Table C 7. BEA data series from Table CA5.

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5	PIBI_AGR	Private nonfarm earnings: Agricultural services	1969	2000
CA5	PIBI_AGR_FOR_FISH	Private nonfarm earnings: Agricultural services, forestry, and fishing	1969	2000
CA5	PIBI_AIR_TRANSIT	Private nonfarm earnings: Transportation by air	1969	2000
CA5	PIBI_AMUSEMENT	Private nonfarm earnings: Amusement and recreation services	1969	2000
CA5	PIBI_APPAREL	Private nonfarm earnings: Apparel and other textile products	1969	2000
CA5	PIBI_APPAREL_ACCESS	Private nonfarm earnings: Apparel and accessory stores	1969	2000
CA5	PIBI_AUTO_REPAIR	Private nonfarm earnings: Automotive repair, services, and parking	1969	2000
CA5	PIBI_AUTO_SVC	Private nonfarm earnings: Automotive dealers and service stations	1969	2000
CA5	PIBI_BLDG_CONTR	Private nonfarm earnings: General building contractors	1969	2000
CA5	PIBI_BLDG_MATER	Private nonfarm earnings: Building materials and garden equipment	1969	2000
CA5	PIBI_BUSINESS_SVC	Private nonfarm earnings: Business services	1969	2000
CA5	PIBI_CHEMICAL	Private nonfarm earnings: Chemicals and allied products	1969	2000
CA5	PIBI_COMM	Private nonfarm earnings: Communications	1969	2000
CA5	PIBI_CONSTR	Private nonfarm earnings: Construction	1969	2000
CA5	PIBI_CONSTR_HVY	Private nonfarm earnings: Heavy construction contractors	1969	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5	PIBI_DEPST_INST	Private nonfarm earnings: Depository and non-depository institutions	1969	2000
CA5	PIBI_DIV_INT_RENT	Dividends, interest, and rent	1969	2000
CA5	PIBI_EARN	Private nonfarm earnings	1969	2000
CA5	PIBI_EARN_BY_WORK	Earnings by place of work	1969	2000
CA5	PIBI_EAT_DRINK	Private nonfarm earnings: Eating and drinking places	1969	2000
CA5	PIBI_EDUC_SVC	Private nonfarm earnings: Educational services	1969	2000
CA5	PIBI_ELECTR_SVC	Private nonfarm earnings: Electric, gas, and sanitary services	1969	2000
CA5	PIBI_ELECTRONICS	Private nonfarm earnings: Electronic and other electric equipment	1969	2000
CA5	PIBI_ENG_SVC	Private nonfarm earnings: Engineering and management services	1969	2000
CA5	PIBI_FARM_EARN	Farm earnings	1969	2000
CA5	PIBI_FARM_PROP	Farm proprietor income	1969	2000
CA5	PIBI_FIN_INS_RE	Private nonfarm earnings: Finance, insurance, and real estate	1969	2000
CA5	PIBI_FIN_INS_RE_OTHR	Private nonfarm earnings: Other finance, insurance, and real estate	1969	2000
CA5	PIBI_FISH	Private nonfarm earnings: Fishing	1969	2000
CA5	PIBI_FOOD	Private nonfarm earnings: Food and kindred products	1969	2000
CA5	PIBI_FOOD_STOR	Private nonfarm earnings: Food stores	1969	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5	PIBI_FOR	Private nonfarm earnings: Forestry	1969	2000
CA5	PIBI_FOR_FISH	Private nonfarm earnings: Forestry and fishing	1969	2000
CA5	PIBI_FURN_FIX	Private nonfarm earnings: Furniture and fixtures	1969	2000
CA5	PIBI_GEN_STOR	Private nonfarm earnings: General merchandise stores	1969	2000
CA5	PIBI_GOVN_ENTER	Private nonfarm earnings: Government and government enterprises	1969	2000
CA5	PIBI_GOVN_FED_CIVIL	Govt. and govt. enterprises earnings: Federal, civilian	1969	2000
CA5	PIBI_GOVN_LOCAL	Govt. and govt. enterprises earnings: Local government	1969	2000
CA5	PIBI_GOVN_MILITARY	Govt. and govt. enterprises earnings: Military	1969	2000
CA5	PIBI_GOVN_STATE	Govt. and govt. enterprises earnings: State government	1969	2000
CA5	PIBI_GOVN_STATE_LOCAL	Govt. and govt. enterprises earnings: State and local	1969	2000
CA5	PIBI_HEALTH_SVC	Private nonfarm earnings: Health services	1969	2000
CA5	PIBI_HOLD_INV	Private nonfarm earnings: Holding and other investment offices	1969	2000
CA5	PIBI_HOME_FURN	Private nonfarm earnings: Home furniture and furnishings stores	1969	2000
CA5	PIBI_HOTEL	Private nonfarm earnings: Hotels and other lodging places	1969	2000
CA5	PIBI_IND_MACHINE	Private nonfarm earnings: Industrial machinery and equipment	1969	2000
CA5	PIBI_INS_CARRIER	Private nonfarm earnings: Insurance carriers	1969	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5	PIBI_INS_SVCS	Private nonfarm earnings: Insurance agents, brokers, and services	1969	2000
CA5	PIBI_INSTRUMENT	Private nonfarm earnings: Instruments and related products	1969	2000
CA5	PIBI_LEATHER	Private nonfarm earnings: Leather and leather products	1969	2000
CA5	PIBI_LEGAL_SVC	Private nonfarm earnings: Legal services	1969	2000
CA5	PIBI_LOCAL_TRANSIT	Private nonfarm earnings: Local and interurban passenger transit	1969	2000
CA5	PIBI_LUMBER_WOOD	Private nonfarm earnings: Lumber and wood products	1969	2000
CA5	PIBI_MEMBER	Private nonfarm earnings: Membership organizations	1969	2000
CA5	PIBI_METAL_FABR	Private nonfarm earnings: Fabricated metal products	1969	2000
CA5	PIBI_MFG	Private nonfarm earnings: Manufacturing	1969	2000
CA5	PIBI_MFG_DURABLE	Private nonfarm earnings: Durable goods manufacturing	1969	2000
CA5	PIBI_MFG_MISC	Private nonfarm earnings: Miscellaneous manufacturing industries	1969	2000
CA5	PIBI_MFG_NONDURABLE	Private nonfarm earnings: Nondurable goods manufacturing	1969	2000
CA5	PIBI_MINE	Private nonfarm earnings: Mining	1969	2000
CA5	PIBI_MINE_COAL	Private nonfarm earnings: Coal mining	1969	2000
CA5	PIBI_MINE_METAL	Private nonfarm earnings: Metal mining	1969	2000
CA5	PIBI_MISC_REPAIR	Private nonfarm earnings: Miscellaneous repair services	1969	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5	PIBI_MISC_SVC	Private nonfarm earnings: Miscellaneous services	1969	2000
CA5	PIBI_MOTION_PIC	Private nonfarm earnings: Motion pictures	1969	2000
CA5	PIBI_MUSEUM	Private nonfarm earnings: Museums, botanical, zoological gardens	1969	2000
CA5	PIBI_NET_EARN	Net earnings by place of residence	1969	2000
CA5	PIBI_NONFARM_EARN	Nonfarm earnings	1969	2000
CA5	PIBI_NONFARM_PROP	Nonfarm proprietors' income	1969	2000
CA5	PIBI_NONMETAL	Private nonfarm earnings: Nonmetallic minerals, except fuels	1969	2000
CA5	PIBI_OIL_GAS	Private nonfarm earnings: Oil and gas extraction	1969	2000
CA5	PIBI_ORDNANCE	Private nonfarm earnings: Ordnance	1969	2000
CA5	PIBI_OTHR_TRANS	Private nonfarm earnings: Other transportation equipment	1969	2000
CA5	PIBI_PAPER	Private nonfarm earnings: Paper and allied products	1969	2000
CA5	PIBI_PENS_INS_ER	Employer contributions for employee pension and insurance funds	1969	2000
CA5	PIBI_PERS_INC	Personal income	1969	2000
CA5	PIBI_PERS_INC_PC	Per capita personal income	1969	2000
CA5	PIBI_PERS_RECEIPTS	Personal current transfer receipts	1969	2000
CA5	PIBI_PERSONAL_SVC	Private nonfarm earnings: Personal services	1969	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5	PIBI_PETROLEUM_COAL	Private nonfarm earnings: Petroleum and coal products	1969	2000
CA5	PIBI_PIPELINE	Private nonfarm earnings: Pipelines, except natural gas	1969	2000
CA5	PIBI_POP	Population	1969	2000
CA5	PIBI_PRIMARY_METAL	Private nonfarm earnings: Primary metal industries	1969	2000
CA5	PIBI_PRINT_PUBL	Private nonfarm earnings: Printing and publishing	1969	2000
CA5	PIBI_PROPRIETOR	Proprietor income	1969	2000
CA5	PIBI_PVT_HOUSE	Private nonfarm earnings: Private households	1969	2000
CA5	PIBI_RAILROAD	Private nonfarm earnings: Railroad transportation	1969	2000
CA5	PIBI_REAL_ESTATE	Private nonfarm earnings: Real estate	1969	2000
CA5	PIBI_REAL_ESTATE_INS	Private nonfarm earnings: Combined real estate, insurance, etc.	1969	2000
CA5	PIBI_RES_ADJ	Adjustment for residence	1969	2000
CA5	PIBI_RETAIL	Private nonfarm earnings: Retail trade	1969	2000
CA5	PIBI_RETAIL_MISC	Private nonfarm earnings: Miscellaneous retail	1969	2000
CA5	PIBI_RUBBER_PLAST	Private nonfarm earnings: Rubber and miscellaneous plastics products	1969	2000
CA5	PIBI_SECURITY	Private nonfarm earnings: Security and commodity brokers	1969	2000
CA5	PIBI_SERVICES	Private nonfarm earnings: Services	1969	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5	PIBI_SOC_SVC	Private nonfarm earnings: Social services	1969	2000
CA5	PIBI_SOCINS_EE	Employee and self-employed contributions for government social insurance	1969	2000
CA5	PIBI_SOCINS_ER	Employer contributions for government social insurance	1969	2000
CA5	PIBI_SOCINS_ER2	Employer contributions for government social insurance	1969	2000
CA5	PIBI_SOCINS_TOT	Contributions for government social insurance	1969	2000
CA5	PIBI_STN_CLAY_GLSS	Private nonfarm earnings: Stone, clay, and glass products	1969	2000
CA5	PIBI_TEXTILE	Private nonfarm earnings: Textile mill products	1969	2000
CA5	PIBI_TOBACCO	Private nonfarm earnings: Tobacco products	1969	2000
CA5	PIBI_TRADE_CONTR	Private nonfarm earnings: Special trade contractors	1969	2000
CA5	PIBI_TRANS_OTHR	Private nonfarm earnings: Other transportation	1969	2000
CA5	PIBI_TRANS_SVC	Private nonfarm earnings: Transportation services	1969	2000
CA5	PIBI_TRANS_UTIL	Private nonfarm earnings: Transportation and public utilities	1969	2000
CA5	PIBI_TRANS_WTR	Private nonfarm earnings: Water transportation	1969	2000
CA5	PIBI_TRUCK_WARE	Private nonfarm earnings: Trucking and warehousing	1969	2000
CA5	PIBI_VEHICLES_EQUIP	Private nonfarm earnings: Motor vehicles and equipment	1969	2000
CA5	PIBI_WAGE	Wages and salaries	1969	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5	PIBI_WAGE_SUP	Supplements to wages and salaries	1969	2000
CA5	PIBI_WHOLESALE	Private nonfarm earnings: Wholesale trade	1969	2000

Appendix Table C 8. BEA data series from Table CA5N.

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5N	PIBI_ADMIN_SVC	Private nonfarm earnings: Administrative and support services	2001	2016
CA5N	PIBI_AGR_SPRT	Private nonfarm earnings: Support activities for agriculture and forestry	2001	2016
CA5N	PIBI_AIR_TRANSIT	Private nonfarm earnings: Air transportation	2001	2016
CA5N	PIBI_AMULATORY	Private nonfarm earnings: Ambulatory health care services	2001	2016
CA5N	PIBI_AMUSEMENT	Private nonfarm earnings: Amusement, gambling, and recreation industries	2001	2016
CA5N	PIBI_APPAREL	Private nonfarm earnings: Apparel manufacturing	2001	2016
CA5N	PIBI_APPAREL_ACCESS	Private nonfarm earnings: Clothing and clothing accessories stores	2001	2016
CA5N	PIBI_ARTS_REC	Private nonfarm earnings: Arts, entertainment, and recreation	2001	2016
CA5N	PIBI_ASSET_LESSOR	Private nonfarm earnings: Lessors of nonfinancial intangible assets (except copyrighted works)	2001	2016
CA5N	PIBI_BLDG_CONTR	Private nonfarm earnings: Construction of buildings	2001	2016
CA5N	PIBI_BLDG_MATER	Private nonfarm earnings: Building material and garden equipment and supplies dealers	2001	2016
CA5N	PIBI_BROADCAST	Private nonfarm earnings: Broadcasting (except Internet)	2001	2016
CA5N	PIBI_CHEMICAL	Private nonfarm earnings: Chemical manufacturing	2001	2016
CA5N	PIBI_COMPANY_MGT	Private nonfarm earnings: Management of companies and enterprises	2001	2016
CA5N	PIBI_CONSTR	Private nonfarm earnings: Construction	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5N	PIBI_CONSTR_HVY	Private nonfarm earnings: Heavy and civil engineering construction	2001	2016
CA5N	PIBI_COURIER	Private nonfarm earnings: Couriers and messengers	2001	2016
CA5N	PIBI_CREDIT	Private nonfarm earnings: Credit intermediation and related activities	2001	2016
CA5N	PIBI_DATA_PROCESS	Private nonfarm earnings: Data processing, hosting, and related services	2001	2016
CA5N	PIBI_DIV_INT_RENT	Dividends, interest, and rent	2001	2016
CA5N	PIBI_EARN_BY_WORK	Earnings by place of work	2001	2016
CA5N	PIBI_EAT_DRINK	Private nonfarm earnings: Food services and drinking places	2001	2016
CA5N	PIBI_EDUC_SVC	Private nonfarm earnings: Educational services	2001	2016
CA5N	PIBI_ELECTR_SVC	Private nonfarm earnings: Electronics and appliance stores	2001	2016
CA5N	PIBI_ELECTRONICS	Private nonfarm earnings: Computer and electronic product manufacturing	2001	2016
CA5N	PIBI_ELECTRONICS	Private nonfarm earnings: Electrical equipment, appliance, and component manufacturing	2001	2016
CA5N	PIBI_FARM_EARN	Farm earnings	2001	2016
CA5N	PIBI_FARM_PROP	Farm proprietors' income	2001	2016
CA5N	PIBI_FIN_INS	Private nonfarm earnings: Finance and insurance	2001	2016
CA5N	PIBI_FISH_HUNT_TRAP	Private nonfarm earnings: Fishing, hunting and trapping	2001	2016
CA5N	PIBI_FOOD	Private nonfarm earnings: Food manufacturing	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5N	PIBI_FOOD_STOR	Private nonfarm earnings: Food and beverage stores	2001	2016
CA5N	PIBI_FOR_FISH	Private nonfarm earnings: Forestry, fishing, and related activities	2001	2016
CA5N	PIBI_FOR_LOG	Private nonfarm earnings: Forestry and logging	2001	2016
CA5N	PIBI_FUND_TRUST	Private nonfarm earnings: Funds, trusts, and other financial vehicles	2001	2016
CA5N	PIBI_FURN_FIX	Private nonfarm earnings: Furniture and related product manufacturing	2001	2016
CA5N	PIBI_GAS_STATN	Private nonfarm earnings: Gasoline stations	2001	2016
CA5N	PIBI_GEN_STOR	Private nonfarm earnings: General merchandise stores	2001	2016
CA5N	PIBI_GOVNT_ENTER	Earnings: Government and government enterprises	2001	2016
CA5N	PIBI_GOVNT_FED_CIVIL	Govt. and govt. enterprises earnings: Federal, civilian	2001	2016
CA5N	PIBI_GOVNT_LOCAL	Govt. and govt. enterprises earnings: Local government	2001	2016
CA5N	PIBI_GOVNT_MILITARY	Govt. and govt. enterprises earnings: Military	2001	2016
CA5N	PIBI_GOVNT_STATE	Govt. and govt. enterprises earnings: State government	2001	2016
CA5N	PIBI_GOVNT_STATE_LOCAL	Govt. and govt. enterprises earnings: State and local	2001	2016
CA5N	PIBI_HEALTH_STOR	Private nonfarm earnings: Health and personal care stores	2001	2016
CA5N	PIBI_HEALTH_SVC	Private nonfarm earnings: Health care and social assistance	2001	2016
CA5N	PIBI_HOME_FURN	Private nonfarm earnings: Furniture and home furnishings stores	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5N	PIBI_HOSPITAL	Private nonfarm earnings: Hospitals	2001	2016
CA5N	PIBI_HOTEL	Private nonfarm earnings: Accommodation	2001	2016
CA5N	PIBI_HOTEL_FOOD	Private nonfarm earnings: Accommodation and food services	2001	2016
CA5N	PIBI_IND_MACHINE	Private nonfarm earnings: Machinery manufacturing	2001	2016
CA5N	PIBI_INFORMATION	Private nonfarm earnings: Information	2001	2016
CA5N	PIBI_INSURANCE	Private nonfarm earnings: Insurance carriers and related activities	2001	2016
CA5N	PIBI_INTERNET_PUB	Private nonfarm earnings: Internet publishing and broadcasting	2001	2016
CA5N	PIBI_LAUNDRY	Private nonfarm earnings: Personal and laundry services	2001	2016
CA5N	PIBI_LEATHER	Private nonfarm earnings: Leather and allied product manufacturing	2001	2016
CA5N	PIBI_LUMBER_WOOD	Private nonfarm earnings: Wood product manufacturing	2001	2016
CA5N	PIBI_METAL_FABR	Private nonfarm earnings: Fabricated metal product manufacturing	2001	2016
CA5N	PIBI_MFG	Private nonfarm earnings: Manufacturing	2001	2016
CA5N	PIBI_MFG_DURABLE	Private nonfarm earnings: Durable goods manufacturing	2001	2016
CA5N	PIBI_MFG_MISC	Private nonfarm earnings: Miscellaneous manufacturing	2001	2016
CA5N	PIBI_MFG_NONDURABLE	Private nonfarm earnings: Nondurable goods manufacturing	2001	2016
CA5N	PIBI_MINE	Private nonfarm earnings: Mining (except oil and gas)	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5N	PIBI_MINE_OIL_GAS	Private nonfarm earnings: Mining, quarrying, and oil and gas extraction	2001	2016
CA5N	PIBI_MINE_SPRT	Private nonfarm earnings: Support activities for mining	2001	2016
CA5N	PIBI_MISC_REPAIR	Private nonfarm earnings: Repair and maintenance	2001	2016
CA5N	PIBI_MISC_SVC	Private nonfarm earnings: Other services (except public administration)	2001	2016
CA5N	PIBI_MONETARYA_AUTH	Private nonfarm earnings: Monetary authorities-central bank	2001	2016
CA5N	PIBI_MOTION_PIC	Private nonfarm earnings: Motion picture and sound recording industries	2001	2016
CA5N	PIBI_MUSEUM	Private nonfarm earnings: Museums, historical sites, and similar institutions	2001	2016
CA5N	PIBI_NET_EARN	Net earnings by place of residence	2001	2016
CA5N	PIBI_NONFARM_EARN	Nonfarm earnings	2001	2016
CA5N	PIBI_NONFARM_PROP	Nonfarm proprietor income	2001	2016
CA5N	PIBI_NONMETAL_MINERAL	Private nonfarm earnings: Nonmetallic mineral product manufacturing	2001	2016
CA5N	PIBI_NURSING_FAC	Private nonfarm earnings: Nursing and residential care facilities	2001	2016
CA5N	PIBI_OIL_GAS	Private nonfarm earnings: Oil and gas extraction	2001	2016
CA5N	PIBI_OTHER_IT	Private nonfarm earnings: Other information services	2001	2016
CA5N	PIBI_OTHR_TRANS	Private nonfarm earnings: Other transportation equipment manufacturing	2001	2016
CA5N	PIBI_PAPER	Private nonfarm earnings: Paper manufacturing	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5N	PIBI_PENS_INS_ER	Employer contributions for employee pension and insurance funds	2001	2016
CA5N	PIBI_PERF_ARTS	Private nonfarm earnings: Performing arts, spectator sports, and related industries	2001	2016
CA5N	PIBI_PERS_INC	Personal income	2001	2016
CA5N	PIBI_PERS_INC_PC	Per capita personal income	2001	2016
CA5N	PIBI_PERS_RECEIPTS	Personal current transfer receipts	2001	2016
CA5N	PIBI_PETROLEUM_COAL	Private nonfarm earnings: Petroleum and coal products manufacturing	2001	2016
CA5N	PIBI_POP	Population	2001	2016
CA5N	PIBI_PRIMARY_METAL	Private nonfarm earnings: Primary metal manufacturing	2001	2016
CA5N	PIBI_PRINT_PUBL	Private nonfarm earnings: Printing and related support activities	2001	2016
CA5N	PIBI_PROPRIETOR	Proprietors' income	2001	2016
CA5N	PIBI_PUBLISHING	Private nonfarm earnings: Publishing industries (except Internet)	2001	2016
CA5N	PIBI_PVT_HOUSE	Private nonfarm earnings: Private households	2001	2016
CA5N	PIBI_PVT_NONFARM_EARN	Private nonfarm earnings	2001	2016
CA5N	PIBI_RAILROAD	Private nonfarm earnings: Rail transportation	2001	2016
CA5N	PIBI_REAL_ESTATE	Private nonfarm earnings: Real estate	2001	2016
CA5N	PIBI_REAL_ESTATE_RENT	Private nonfarm earnings: Real estate and rental and leasing	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5N	PIBI_RELIGIOUS	Private nonfarm earnings: Religious, grant making, civic, professional, and similar organizations	2001	2016
CA5N	PIBI_RENT	Private nonfarm earnings: Rental and leasing services	2001	2016
CA5N	PIBI_RES_ADJ	Adjustment for residence	2001	2016
CA5N	PIBI_RETAIL	Private nonfarm earnings: Retail trade	2001	2016
CA5N	PIBI_RETAIL_MISC	Private nonfarm earnings: Miscellaneous store retailers	2001	2016
CA5N	PIBI_RETAIL_NOSTOR	Private nonfarm earnings: Nonstore retailers	2001	2016
CA5N	PIBI_RUBBER_PLAST	Private nonfarm earnings: Plastics and rubber products manufacturing	2001	2016
CA5N	PIBI_SCIENCE_TECH	Private nonfarm earnings: Professional, scientific, and technical services	2001	2016
CA5N	PIBI_SECURITIES	Private nonfarm earnings: Securities, commodity contracts, and other financial investments and related activities	2001	2016
CA5N	PIBI_SIGHTSEE	Private nonfarm earnings: Scenic and sightseeing transportation	2001	2016
CA5N	PIBI_SOC_ASSIST	Private nonfarm earnings: Social assistance	2001	2016
CA5N	PIBI_SOCINS_EE	Employee and self-employed contributions for government social insurance	2001	2016
CA5N	PIBI_SOCINS_ER	Employer contributions for government social insurance	2001	2016
CA5N	PIBI_SOCINS_ER2	Employer contributions for government social insurance	2001	2016
CA5N	PIBI_SOCINS_TOT	Contributions for government social insurance	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5N	PIBI_SPORT_STOR	Private nonfarm earnings: Sporting goods, hobby, musical instrument, and book stores	2001	2016
CA5N	PIBI_TELECOM	Private nonfarm earnings: Telecommunications	2001	2016
CA5N	PIBI_TEXTILE_MILL	Private nonfarm earnings: Textile mills	2001	2016
CA5N	PIBI_TEXTILE_PROD_MILL	Private nonfarm earnings: Textile product mills	2001	2016
CA5N	PIBI_TOBACCO	Private nonfarm earnings: Beverage and tobacco product manufacturing	2001	2016
CA5N	PIBI_TRADE_CONTR	Private nonfarm earnings: Specialty trade contractors	2001	2016
CA5N	PIBI_TRANS_PASSENG	Private nonfarm earnings: Transit and ground passenger transportation	2001	2016
CA5N	PIBI_TRANS_PIPELINE	Private nonfarm earnings: Pipeline transportation	2001	2016
CA5N	PIBI_TRANS_SPRT	Private nonfarm earnings: Support activities for transportation	2001	2016
CA5N	PIBI_TRANS_TRUCK	Private nonfarm earnings: Truck transportation	2001	2016
CA5N	PIBI_TRANS_WTR	Private nonfarm earnings: Water transportation	2001	2016
CA5N	PIBI_TRUCK_WARE	Private nonfarm earnings: Transportation and warehousing	2001	2016
CA5N	PIBI_UTILITIES	Private nonfarm earnings: Utilities	2001	2016
CA5N	PIBI_VEHICLE_PARTS	Private nonfarm earnings: Motor vehicle and parts dealers	2001	2016
CA5N	PIBI_VEHICLES_EQUIP	Private nonfarm earnings: Motor vehicles, bodies and trailers, and parts manufacturing	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA5N	PIBI_WAGE	Wages and salaries	2001	2016
CA5N	PIBI_WAGE_SUP	Supplements to wages and salaries	2001	2016
CA5N	PIBI_WARE_STORAGE	Private nonfarm earnings: Warehousing and storage	2001	2016
CA5N	PIBI_WASTE	Private nonfarm earnings: Waste management and remediation services	2001	2016
CA5N	PIBI_WASTE_ADMIN	Private nonfarm earnings: Administrative and support and waste management and remediation services	2001	2016
CA5N	PIBI_WHOLESALE	Private nonfarm earnings: Wholesale trade	2001	2016

Appendix Table C 9. BEA data series from Table CA6.

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6	EC_AGR	Private nonfarm compensation: Agricultural services	1998	2000
CA6	EC_AGR_FOR_FISH	Private nonfarm compensation: Agricultural services, forestry, and fishing	1998	2000
CA6	EC_AIR_TRANSIT	Private nonfarm compensation: Transportation by air	1998	2000
CA6	EC_AMUSEMENT	Private nonfarm compensation: Amusement and recreation services	1998	2000
CA6	EC_APPAREL	Private nonfarm compensation: Apparel and other textile products	1998	2000
CA6	EC_APPAREL_ACCESS	Private nonfarm compensation: Apparel and accessory stores	1998	2000
CA6	EC_AUTO_REPAIR	Private nonfarm compensation: Automotive repair, services, and parking	1998	2000
CA6	EC_AUTO_SVC	Private nonfarm compensation: Automotive dealers and service stations	1998	2000
CA6	EC_AVG_COMP	Average compensation per job	1998	2000
CA6	EC_BLDG_CONTR	Private nonfarm compensation: General building contractors	1998	2000
CA6	EC_BLDG_MATER	Private nonfarm compensation: Building materials and garden equipment	1998	2000
CA6	EC_BUSINESS_SVC	Private nonfarm compensation: Business services	1998	2000
CA6	EC_CHEMICAL	Private nonfarm compensation: Chemicals and allied products	1998	2000
CA6	EC_COMM	Private nonfarm compensation: Communications	1998	2000
CA6	EC_CONSTR	Private nonfarm compensation: Construction	1998	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6	EC_CONSTR_HVY	Private nonfarm compensation: Heavy construction contractors	1998	2000
CA6	EC_DEPST_INST	Private nonfarm compensation: Depository and non-depository institutions	1998	2000
CA6	EC_EAT_DRINK	Private nonfarm compensation: Eating and drinking places	1998	2000
CA6	EC_EDUC_SVC	Private nonfarm compensation: Educational services	1998	2000
CA6	EC_ELECTR_SVC	Private nonfarm compensation: Electric, gas, and sanitary services	1998	2000
CA6	EC_ELECTRONICS	Private nonfarm compensation: Electronic and other electric equipment	1998	2000
CA6	EC_EMPLOYEES	Compensation of employees	1998	2000
CA6	EC_ENG_SVC	Private nonfarm compensation: Engineering and management services	1998	2000
CA6	EC_FARM	Farm compensation	1998	2000
CA6	EC_FIN_INS_RE	Private nonfarm compensation: Finance, insurance, and real estate	1998	2000
CA6	EC_FIN_INS_RE_OTHR	Private nonfarm compensation: Other finance, insurance, and real estate	1998	2000
CA6	EC_FISH	Private nonfarm compensation: Fishing	1998	2000
CA6	EC_FOOD	Private nonfarm compensation: Food and kindred products	1998	2000
CA6	EC_FOOD_STOR	Private nonfarm compensation: Food stores	1998	2000
CA6	EC_FOR	Private nonfarm compensation: Forestry	1998	2000
CA6	EC_FOR_FISH	Private nonfarm compensation: Forestry and fishing	1998	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6	EC_FURN_FIX	Private nonfarm compensation: Furniture and fixtures	1998	2000
CA6	EC_GEN_STOR	Private nonfarm compensation: General merchandise stores	1998	2000
CA6	EC_GOVT_ENTER	Compensation: Government and government enterprises	1998	2000
CA6	EC_GOVT_FED_CIVIL	Govt. and govt. enterprises compensation: Federal, civilian	1998	2000
CA6	EC_GOVT_STATE	Govt. and govt. enterprises compensation: State government	1998	2000
CA6	EC_GOVT_STATE_LOCAL	Govt. and govt. enterprises compensation: State and local	1998	2000
CA6	EC_HEALTH_SVC	Private nonfarm compensation: Health services	1998	2000
CA6	EC_HOLD_INV	Private nonfarm compensation: Holding and other investment offices	1998	2000
CA6	EC_HOME_FURN	Private nonfarm compensation: Home furniture and furnishings stores	1998	2000
CA6	EC_HOTEL	Private nonfarm compensation: Hotels and other lodging places	1998	2000
CA6	EC_IND_MACHINE	Private nonfarm compensation: Industrial machinery and equipment	1998	2000
CA6	EC_INS_CARRIER	Private nonfarm compensation: Insurance carriers	1998	2000
CA6	EC_INS_SVCS	Private nonfarm compensation: Insurance agents, brokers, and services	1998	2000
CA6	EC_INSTRUMENT	Private nonfarm compensation: Instruments and related products	1998	2000
CA6	EC_LEATHER	Private nonfarm compensation: Leather and leather products	1998	2000
CA6	EC_LEGAL_SVC	Private nonfarm compensation: Legal services	1998	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6	EC_LOCAL_TRANSIT	Private nonfarm compensation: Local and interurban passenger transit	1998	2000
CA6	EC_LUMBER_WOOD	Private nonfarm compensation: Lumber and wood products	1998	2000
CA6	EC_MEMBER	Private nonfarm compensation: Membership organizations	1998	2000
CA6	EC_METAL_FABR	Private nonfarm compensation: Fabricated metal products	1998	2000
CA6	EC_MFG	Private nonfarm compensation: Manufacturing	1998	2000
CA6	EC_MFG_DURABLE	Private nonfarm compensation: Durable goods manufacturing	1998	2000
CA6	EC_MFG_MISC	Private nonfarm compensation: Miscellaneous manufacturing industries	1998	2000
CA6	EC_MFG_NONDURABLE	Private nonfarm compensation: Nondurable goods manufacturing	1998	2000
CA6	EC_MINE	Private nonfarm compensation: Mining	1998	2000
CA6	EC_MINE_COAL	Private nonfarm compensation: Coal mining	1998	2000
CA6	EC_MINE_METAL	Private nonfarm compensation: Metal mining	1998	2000
CA6	EC_MISC_REPAIR	Private nonfarm compensation: Miscellaneous repair services	1998	2000
CA6	EC_MISC_SVC	Private nonfarm compensation: Miscellaneous services	1998	2000
CA6	EC_MOTION_PIC	Private nonfarm compensation: Motion pictures	1998	2000
CA6	EC_MUSEUM	Private nonfarm compensation: Museums, botanical, zoological gardens	1998	2000
CA6	EC_NONFARM	Nonfarm compensation	1998	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6	EC_NONMETAL	Private nonfarm compensation: Nonmetallic minerals, except fuels	1998	2000
CA6	EC_OIL_GAS	Private nonfarm compensation: Oil and gas extraction	1998	2000
CA6	EC_ORDNANCE	Private nonfarm compensation: Ordnance	1998	2000
CA6	EC_OTHR_TRANS	Private nonfarm compensation: Other transportation equipment	1998	2000
CA6	EC_PAPER	Private nonfarm compensation: Paper and allied products	1998	2000
CA6	EC_PENSION_INS_ER	Employer contributions for employee pension and insurance funds	1998	2000
CA6	EC_PERSONAL_SVC	Private nonfarm compensation: Personal services	1998	2000
CA6	EC_PETROLEUM_COAL	Private nonfarm compensation: Petroleum and coal products	1998	2000
CA6	EC_PIPELINE	Private nonfarm compensation: Pipelines, except natural gas	1998	2000
CA6	EC_PRIMARY_METAL	Private nonfarm compensation: Primary metal industries	1998	2000
CA6	EC_PRINT_PUBL	Private nonfarm compensation: Printing and publishing	1998	2000
CA6	EC_PRIV_NONFARM	Private nonfarm compensation	1998	2000
CA6	EC_PVT_HOUSE	Private nonfarm compensation: Private households	1998	2000
CA6	EC_RAILROAD	Private nonfarm compensation: Railroad transportation	1998	2000
CA6	EC_REAL_ESTATE	Private nonfarm compensation: Real estate	1998	2000
CA6	EC_REAL_ESTATE_INS	Private nonfarm compensation: Combined real estate, insurance, etc.	1998	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6	EC_RETAIL	Private nonfarm compensation: Retail trade	1998	2000
CA6	EC_RETAIL_MISC	Private nonfarm compensation: Miscellaneous retail	1998	2000
CA6	EC_RUBBER_PLAST	Private nonfarm compensation: Rubber and miscellaneous plastics products	1998	2000
CA6	EC_SECURITY	Private nonfarm compensation: Security and commodity brokers	1998	2000
CA6	EC_SERVICES	Private nonfarm compensation: Services	1998	2000
CA6	EC_SOC_INS_ER	Employer contributions for government social insurance	1998	2000
CA6	EC_SOC_SVC	Private nonfarm compensation: Social services	1998	2000
CA6	EC_STN_CLAY_GLSS	Private nonfarm compensation: Stone, clay, and glass products	1998	2000
CA6	EC_TEXTILE	Private nonfarm compensation: Textile mill products	1998	2000
CA6	EC_TOBACCO	Private nonfarm compensation: Tobacco products	1998	2000
CA6	EC_TRADE_CONTR	Private nonfarm compensation: Special trade contractors	1998	2000
CA6	EC_TRANS_OTHR	Private nonfarm compensation: Other transportation	1998	2000
CA6	EC_TRANS_SVC	Private nonfarm compensation: Transportation services	1998	2000
CA6	EC_TRANS_UTIL	Private nonfarm compensation: Transportation and public utilities	1998	2000
CA6	EC_TRANS_WTR	Private nonfarm compensation: Water transportation	1998	2000
CA6	EC_TRUCK_WARE	Private nonfarm compensation: Trucking and warehousing	1998	2000

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6	EC_VEHICLES_EQUIP	Private nonfarm compensation: Motor vehicles and equipment	1998	2000
CA6	EC_WAGE	Wages and salaries	1998	2000
CA6	EC_WAGE_SUP	Supplements to wages and salaries	1998	2000
CA6	EC_WHOLESALE	Private nonfarm compensation: Wholesale trade	1998	2000

Appendix Table C 10. BEA data series from Table CA6N.

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6N	EC_ADMIN_SVC	Private nonfarm compensation: Administrative and support services	2001	2016
CA6N	EC_AGR_SPRT	Private nonfarm compensation: Support activities for agriculture and forestry	2001	2016
CA6N	EC_AIR_TRANSIT	Private nonfarm compensation: Air transportation	2001	2016
CA6N	EC_AMULATORY	Private nonfarm compensation: Ambulatory health care services	2001	2016
CA6N	EC_AMUSEMENT	Private nonfarm compensation: Amusement, gambling, and recreation industries	2001	2016
CA6N	EC_APPAREL	Private nonfarm compensation: Apparel manufacturing	2001	2016
CA6N	EC_APPAREL_ACCESS	Private nonfarm compensation: Clothing and clothing accessories stores	2001	2016
CA6N	EC_ARTS_REC	Private nonfarm compensation: Arts, entertainment, and recreation	2001	2016
CA6N	EC_ASSET_LESSOR	Private nonfarm compensation: Lessors of nonfinancial intangible assets (except copyrighted works)	2001	2016
CA6N	EC_AVG_COMP	Average compensation per job	2001	2016
CA6N	EC_BLDG_CONTR	Private nonfarm compensation: Construction of buildings	2001	2016
CA6N	EC_BLDG_MATER	Private nonfarm compensation: Building material and garden equipment and supplies dealers	2001	2016
CA6N	EC_BROADCAST	Private nonfarm compensation: Broadcasting (except Internet)	2001	2016
CA6N	EC_CHEMICAL	Private nonfarm compensation: Chemical manufacturing	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6N	EC_COMPANY_MGT	Private nonfarm compensation: Management of companies and enterprises	2001	2016
CA6N	EC_COMPUTERS	Private nonfarm compensation: Computer and electronic product manufacturing	2001	2016
CA6N	EC_CONSTR	Private nonfarm compensation: Construction	2001	2016
CA6N	EC_CONSTR_HVY	Private nonfarm compensation: Heavy and civil engineering construction	2001	2016
CA6N	EC_COURIER	Private nonfarm compensation: Couriers and messengers	2001	2016
CA6N	EC_CREDIT	Private nonfarm compensation: Credit intermediation and related activities	2001	2016
CA6N	EC_DATA_PROCESS	Private nonfarm compensation: Data processing, hosting, and related services	2001	2016
CA6N	EC_EAT_DRINK	Private nonfarm compensation: Food services and drinking places	2001	2016
CA6N	EC_EDUC_SVC	Private nonfarm compensation: Educational services	2001	2016
CA6N	EC_ELECTR_SVC	Private nonfarm compensation: Electronics and appliance stores	2001	2016
CA6N	EC_ELECTRONICS	Private nonfarm compensation: Electrical equipment, appliance, and component manufacturing	2001	2016
CA6N	EC_EMPLOYEES	Compensation of employees	2001	2016
CA6N	EC_FARM	Farm compensation	2001	2016
CA6N	EC_FIN_INS	Private nonfarm compensation: Finance and insurance	2001	2016
CA6N	EC_FISH_HUNT_TRAP	Private nonfarm compensation: Fishing, hunting and trapping	2001	2016
CA6N	EC_FOOD	Private nonfarm compensation: Food manufacturing	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6N	EC_FOOD_STOR	Private nonfarm compensation: Food and beverage stores	2001	2016
CA6N	EC_FOR_FISH	Private nonfarm compensation: Forestry, fishing, and related activities	2001	2016
CA6N	EC_FOR_LOG	Private nonfarm compensation: Forestry and logging	2001	2016
CA6N	EC_FUND_TRUST	Private nonfarm compensation: Funds, trusts, and other financial vehicles	2001	2016
CA6N	EC_FURN_FIX	Private nonfarm compensation: Furniture and related product manufacturing	2001	2016
CA6N	EC_GAS_STATN	Private nonfarm compensation: Gasoline stations	2001	2016
CA6N	EC_GOVT_LOCAL	Govt. and govt. enterprises compensation: Local government	2001	2016
CA6N	EC_GOVT_STATE	Govt. and govt. enterprises compensation: State government	2001	2016
CA6N	EC_HEALTH_STOR	Private nonfarm compensation: Health and personal care stores	2001	2016
CA6N	EC_HEALTH_SVC	Private nonfarm compensation: Health care and social assistance	2001	2016
CA6N	EC_HOME_FURN	Private nonfarm compensation: Furniture and home furnishings stores	2001	2016
CA6N	EC_HOSPITAL	Private nonfarm compensation: Hospitals	2001	2016
CA6N	EC_HOTEL	Private nonfarm compensation: Accommodation	2001	2016
CA6N	EC_HOTEL_FOOD	Private nonfarm compensation: Accommodation and food services	2001	2016
CA6N	EC_IND_MACHINE	Private nonfarm compensation: Machinery manufacturing	2001	2016
CA6N	EC_INFORMATION	Private nonfarm compensation: Information	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6N	EC_INSURANCE	Private nonfarm compensation: Insurance carriers and related activities	2001	2016
CA6N	EC_INTERNET_PUB	Private nonfarm compensation: Internet publishing and broadcasting	2001	2016
CA6N	EC_LAUNDRY	Private nonfarm compensation: Personal and laundry services	2001	2016
CA6N	EC_LEATHER	Private nonfarm compensation: Leather and allied product manufacturing	2001	2016
CA6N	EC_LUMBER_WOOD	Private nonfarm compensation: Wood product manufacturing	2001	2016
CA6N	EC_METAL_FABR	Private nonfarm compensation: Fabricated metal product manufacturing	2001	2016
CA6N	EC_MFG	Private nonfarm compensation: Manufacturing	2001	2016
CA6N	EC_MFG_DURABLE	Private nonfarm compensation: Durable goods manufacturing	2001	2016
CA6N	EC_MFG_MISC	Private nonfarm compensation: Miscellaneous manufacturing	2001	2016
CA6N	EC_MFG_NONDURABLE	Private nonfarm compensation: Nondurable goods manufacturing	2001	2016
CA6N	EC_MINE	Private nonfarm compensation: Mining (except oil and gas)	2001	2016
CA6N	EC_MINE_OIL_GAS	Private nonfarm compensation: Mining, quarrying, and oil and gas extraction	2001	2016
CA6N	EC_MINE_SPRT	Private nonfarm compensation: Support activities for mining	2001	2016
CA6N	EC_MISC_REPAIR	Private nonfarm compensation: Repair and maintenance	2001	2016
CA6N	EC_MISC_SVC	Private nonfarm compensation: Other services (except public administration)	2001	2016
CA6N	EC_MONETARYA_AUTH	Private nonfarm compensation: Monetary Authorities-central bank	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6N	EC_MOTION_PIC	Private nonfarm compensation: Motion picture and sound recording industries	2001	2016
CA6N	EC_MUSEUM	Private nonfarm compensation: Museums, historical sites, and similar institutions	2001	2016
CA6N	EC_NONFARM	Nonfarm compensation	2001	2016
CA6N	EC_NONMETAL_MINERAL	Private nonfarm compensation: Nonmetallic mineral product manufacturing	2001	2016
CA6N	EC_NURSING_FAC	Private nonfarm compensation: Nursing and residential care facilities	2001	2016
CA6N	EC_OIL_GAS	Private nonfarm compensation: Oil and gas extraction	2001	2016
CA6N	EC_OTHER_IT	Private nonfarm compensation: Other information services	2001	2016
CA6N	EC_OTHR_TRANS	Private nonfarm compensation: Other transportation equipment manufacturing	2001	2016
CA6N	EC_PAPER	Private nonfarm compensation: Paper manufacturing	2001	2016
CA6N	EC_PENSION_INS_ER	Employer contributions for employee pension and insurance funds	2001	2016
CA6N	EC_PERF_ARTS	Private nonfarm compensation: Performing arts, spectator sports, and related industries	2001	2016
CA6N	EC_PETROLEUM_COAL	Private nonfarm compensation: Petroleum and coal products manufacturing	2001	2016
CA6N	EC_PRIMARY_METAL	Private nonfarm compensation: Primary metal manufacturing	2001	2016
CA6N	EC_PRINT_PUBL	Private nonfarm compensation: Printing and related support activities	2001	2016
CA6N	EC_PRIV_NONFARM	Private nonfarm compensation	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6N	EC_PUBLISHING	Private nonfarm compensation: Publishing industries (except Internet)	2001	2016
CA6N	EC_PVT_HOUSE	Private nonfarm compensation: Private households	2001	2016
CA6N	EC_RAILROAD	Private nonfarm compensation: Rail transportation	2001	2016
CA6N	EC_REAL_ESTATE	Private nonfarm compensation: Real estate	2001	2016
CA6N	EC_REAL_ESTATE_RENT	Private nonfarm compensation: Real estate and rental and leasing	2001	2016
CA6N	EC_RELIGIOUS	Private nonfarm compensation: Religious, grant making, civic, professional, and similar organizations	2001	2016
CA6N	EC_RENT	Private nonfarm compensation: Rental and leasing services	2001	2016
CA6N	EC_RETAIL	Private nonfarm compensation: Retail trade	2001	2016
CA6N	EC_RETAIL_MISC	Private nonfarm compensation: Miscellaneous store retailers	2001	2016
CA6N	EC_RETAIL_NOSTOR	Private nonfarm compensation: Nonstore retailers	2001	2016
CA6N	EC_RUBBER_PLAST	Private nonfarm compensation: Plastics and rubber products manufacturing	2001	2016
CA6N	EC_SCIENCE_TECH	Private nonfarm compensation: Professional, scientific, and technical services	2001	2016
CA6N	EC_SECURITIES	Private nonfarm compensation: Securities, commodity contracts, and other financial investments and related activities	2001	2016
CA6N	EC_SIGHTSEE	Private nonfarm compensation: Scenic and sightseeing transportation	2001	2016
CA6N	EC_SOC_ASSIST	Private nonfarm compensation: Social assistance	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6N	EC_SOC_INS_ER	Employer contributions for government social insurance	2001	2016
CA6N	EC_SPORT_STOR	Private nonfarm compensation: Sporting goods, hobby, musical instrument, and book stores	2001	2016
CA6N	EC_TELECOM	Private nonfarm compensation: Telecommunications	2001	2016
CA6N	EC_TEXTILE_MILL	Private nonfarm compensation: Textile mills	2001	2016
CA6N	EC_TEXTILE_PROD_MILL	Private nonfarm compensation: Textile product mills	2001	2016
CA6N	EC_TOBACCO	Private nonfarm compensation: Beverage and tobacco product manufacturing	2001	2016
CA6N	EC_TRADE_CONTR	Private nonfarm compensation: Specialty trade contractors	2001	2016
CA6N	EC_TRANS_PASSENG	Private nonfarm compensation: Transit and ground passenger transportation	2001	2016
CA6N	EC_TRANS_PIPELINE	Private nonfarm compensation: Pipeline transportation	2001	2016
CA6N	EC_TRANS_SPRT	Private nonfarm compensation: Support activities for transportation	2001	2016
CA6N	EC_TRANS_TRUCK	Private nonfarm compensation: Truck transportation	2001	2016
CA6N	EC_TRANS_WTR	Private nonfarm compensation: Water transportation	2001	2016
CA6N	EC_TRUCK_WARE	Private nonfarm compensation: Transportation and warehousing	2001	2016
CA6N	EC_UTILITIES	Private nonfarm compensation: Utilities	2001	2016
CA6N	EC_VEHICLE_PARTS	Private nonfarm compensation: Motor vehicle and parts dealers	2001	2016

BEA Table Name	Metric	Metric Description	Min Year	Max Year
CA6N	EC_VEHICLES_EQUIP	Private nonfarm compensation: Motor vehicles, bodies and trailers, and parts manufacturing	2001	2016
CA6N	EC_WAGE	Wages and salaries	2001	2016
CA6N	EC_WAGE_SUP	Supplements to wages and salaries	2001	2016
CA6N	EC_WARE_STORAGE	Private nonfarm compensation: Warehousing and storage	2001	2016
CA6N	EC_WASTE	Private nonfarm compensation: Waste management and remediation services	2001	2016
CA6N	EC_WASTE_ADMIN	Private nonfarm compensation: Administrative and support and waste management and remediation services	2001	2016
CA6N	EC_WHOLESALE	Private nonfarm compensation: Wholesale trade	2001	2016

Appendix Table C 11. API URLs for BEA data series.

BEA Line Description	API URL	BEA Table
Per capita personal income	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA1&LineCode=3&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA1
Personal income	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA1&LineCode=1&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA1
Population	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA1&LineCode=2&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA1
Employment: Government and government enterprises	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25&LineCode=900&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Farm employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25&LineCode=70&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Farm proprietor employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25&LineCode=50&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Govt. and govt. enterprises employment: Federal, civilian	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25&LineCode=910&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Govt. and govt. enterprises employment: Local government	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25&LineCode=932&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Govt. and govt. enterprises employment: Military	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25&LineCode=920&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Govt. and govt. enterprises employment: State and local	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25&LineCode=930&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Govt. and govt. enterprises employment: State government	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25&LineCode=931&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Nonfarm employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25&LineCode=80&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Nonfarm proprietor employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25&LineCode=60&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Agricultural services, forestry, and fishing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=100&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Private nonfarm employment	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=90&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Private nonfarm employment: Construction	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=300&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Private nonfarm employment: Finance, insurance, and real estate	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=700&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Private nonfarm employment: Manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=400&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Private nonfarm employment: Mining	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=200&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Private nonfarm employment: Retail trade	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=620&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Private nonfarm employment: Services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=800&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Private nonfarm employment: Transportation and public utilities	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=500&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Private nonfarm employment: Wholesale trade	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=610&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Proprietor employment	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=40&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Total employment	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=10&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25
Wage and salary employment	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA25&LineCode=20&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25

BEA Line Description	API URL	BEA Table
Employment: Government and government enterprises	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=2000&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Farm employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=70&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Farm proprietor employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=50&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Govt. and govt. enterprises employment: Federal, civilian	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=2001&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Govt. and govt. enterprises employment: Local government	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=2012&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Govt. and govt. enterprises employment: Military	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=2002&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Govt. and govt. enterprises employment: State and local	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=2010&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Govt. and govt. enterprises employment: State government	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=2011&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Nonfarm employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=80&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Nonfarm proprietor employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=60&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=90&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Accommodation and food services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=1800&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Administrative and support and waste management and remediation services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=1400&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N

BEA Line Description	API URL	BEA Table
Private nonfarm employment: Arts, entertainment, and recreation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=1700&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Construction	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=400&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Educational services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=1500&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Finance and insurance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=1000&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Forestry, fishing, and related activities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=100&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Health care and social assistance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=1600&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Information	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=900&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Management of companies and enterprises	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=1300&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=500&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Mining, quarrying, and oil and gas extraction	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=200&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Other services (except public administration)	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=1900&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Professional, scientific, and technical services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=1200&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N
Private nonfarm employment: Real estate and rental and leasing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=1100&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA25N

BEA Line Description	API URL	BEA Table
Private nonfarm employment: Retail trade	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=700&Year=2015&GeoFips=COUNTY&Result Format=json	CA25N
Private nonfarm employment: Transportation and warehousing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=800&Year=2015&GeoFips=COUNTY&Result Format=json	CA25N
Private nonfarm employment: Utilities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=300&Year=2015&GeoFips=COUNTY&Result Format=json	CA25N
Private nonfarm employment: Wholesale trade	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=600&Year=2015&GeoFips=COUNTY&Result Format=json	CA25N
Proprietor employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=40&Year=2015&GeoFips=COUNTY&Result Format=json	CA25N
Total employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=10&Year=2015&GeoFips=COUNTY&Result Format=json	CA25N
Wage and salary employment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA25N&Line Code=20&Year=2015&GeoFips=COUNTY&Result Format=json	CA25N
Adjustment for residence	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=42&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Contributions for government social insurance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=36&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Dividends, interest, and rent	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=46&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Earnings by place of work	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=35&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Employee and self-employed contributions for government social insurance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=37&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Employer contributions for employee pension and insurance funds	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=61&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5

BEA Line Description	API URL	BEA Table
Employer contributions for government social insurance	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=62&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Farm earnings	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=81&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Farm proprietor' income	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=71&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Govt. and govt. enterprises earnings: Federal, civilian	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=910&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Govt. and govt. enterprises earnings: Local government	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=932&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Govt. and govt. enterprises earnings: Military	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=920&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Govt. and govt. enterprises earnings: State and local	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=930&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Govt. and govt. enterprises earnings: State government	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=931&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Net earnings by place of residence	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=45&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Nonfarm earnings	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=82&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Nonfarm proprietor' income	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=72&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Per capita personal income	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=30&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Personal current transfer receipts	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=47&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5

BEA Line Description	API URL	BEA Table
Personal income	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=10&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Population	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=20&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=90&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Agricultural services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=110&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Agricultural services, forestry, and fishing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=100&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Amusement and recreation services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=835&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Apparel and accessory stores	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=625&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Apparel and other textile products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=462&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Automotive dealers and service stations	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=624&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Automotive repair, services, and parking	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=825&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Building materials and garden equipment	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=621&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Business services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=820&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Chemicals and allied products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=471&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Coal mining	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=220&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Combined real estate, insurance, etc.	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=735&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Communications	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=560&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Construction	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=300&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Depository and nondepository institutions	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=710&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Durable goods manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=410&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Eating and drinking places	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=627&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Educational services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=855&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Electric, gas, and sanitary services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=570&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Electronic and other electric equipment	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=432&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Engineering and management services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=875&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Fabricated metal products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=426&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Finance, insurance, and real estate	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=700&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Fishing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=122&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Food and kindred products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=453&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Food stores	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=623&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Forestry	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=121&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Forestry and fishing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=120&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Furniture and fixtures	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=417&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: General building contractors	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=310&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: General merchandise stores	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=622&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Government and government enterprises	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=900&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Health services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=845&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Heavy construction contractors	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=320&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Holding and other investment offices	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=736&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Home furniture and furnishings stores	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=626&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Hotels and other lodging places	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=805&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Industrial machinery and equipment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=429&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Instruments and related products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=441&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Insurance agents, brokers, and services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=733&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Insurance carriers	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=732&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Leather and leather products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=480&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Legal services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=850&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Local and interurban passenger transit	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=541&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Lumber and wood products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=413&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=400&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Membership organizations	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=870&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Metal mining	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=210&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Mining	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=200&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Miscellaneous manufacturing industries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=444&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Miscellaneous repair services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=830&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Miscellaneous retail	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=628&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Miscellaneous services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=880&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Motion pictures	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=840&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Motor vehicles and equipment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=435&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Museums, botanical, zoological gardens	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=865&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Nondurable goods manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=450&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Nonmetallic minerals, except fuels	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=240&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Oil and gas extraction	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=230&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Ordnance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=447&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Other finance, insurance, and real estate	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=730&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Other transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5&LineCode=540&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Other transportation equipment	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=438&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Paper and allied products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=465&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Personal services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=810&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Petroleum and coal products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=474&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Pipelines, except natural gas	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=543&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Primary metal industries	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=423&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Printing and publishing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=468&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Private households	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=815&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Railroad transportation	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=510&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Real estate	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=734&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Retail trade	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=620&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Rubber and miscellaneous plastics products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=477&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Security and commodity brokers	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=731&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=800&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Social services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=860&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Special trade contractors	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=330&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Stone, clay, and glass products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=420&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Textile mill products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=459&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Tobacco products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=456&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Transportation and public utilities	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=500&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Transportation by air	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=542&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Transportation services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=544&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Trucking and warehousing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=520&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Water transportation	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=530&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Private nonfarm earnings: Wholesale trade	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=610&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Proprietor income	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=70&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5

BEA Line Description	API URL	BEA Table
Supplements to wages and salaries	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=60&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Wages and salaries	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5&LineCode=50&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5
Adjustment for residence	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=42&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Contributions for government social insurance	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=36&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Dividends, interest, and rent	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=46&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Earnings by place of work	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=35&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Earnings: Government and government enterprises	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=2000&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Employee and self-employed contributions for government social insurance	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=37&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Employer contributions for employee pension and insurance funds	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=61&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Employer contributions for government social insurance	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=62&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Farm earnings	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=81&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Farm proprietor income	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=71&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Govt. and govt. enterprises earnings: Federal, civilian	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=2001&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N

BEA Line Description	API URL	BEA Table
Govt. and govt. enterprises earnings: Local government	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=2012&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Govt. and govt. enterprises earnings: Military	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=2002&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Govt. and govt. enterprises earnings: State and local	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=2010&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Govt. and govt. enterprises earnings: State government	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=2011&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Net earnings by place of residence	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=45&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Nonfarm earnings	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=82&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Nonfarm proprietor income	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=72&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Per capita personal income	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=30&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Personal current transfer receipts	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=47&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Personal income	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=10&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Population	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=20&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=90&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Accommodation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1801&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Accommodation and food services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1800&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Administrative and support and waste management and remediation services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1400&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Administrative and support services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1401&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Air transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=801&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Ambulatory health care services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1601&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Amusement, gambling, and recreation industries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1703&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Apparel manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=535&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Arts, entertainment, and recreation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1700&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Beverage and tobacco product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=532&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Broadcasting (except Internet)	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=903&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Building material and garden equipment and supplies dealers	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=704&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Chemical manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=541&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Clothing and clothing accessories stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=708&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Computer and electronic product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=516&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Construction	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=400&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Construction of buildings	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=401&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Couriers and messengers	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=809&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Credit intermediation and related activities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1002&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Data processing, hosting, and related services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=906&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Durable goods manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=510&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Educational services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1500&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Electrical equipment, appliance, and component manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=517&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Electronics and appliance stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=703&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Fabricated metal product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=514&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Finance and insurance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1000&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Fishing, hunting and trapping	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=102&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Food and beverage stores	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=705&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Food manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=531&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Food services and drinking places	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=1802&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Forestry and logging	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=101&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Forestry, fishing, and related activities	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=100&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Funds, trusts, and other financial vehicles	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=1005&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Furniture and home furnishings stores	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=702&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Furniture and related product manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=521&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Gasoline stations	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=707&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: General merchandise stores	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=711&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Health and personal care stores	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=706&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Health care and social assistance	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=1600&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Heavy and civil engineering construction	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA5N&LineCode=402&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Hospitals	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1602&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Information	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=900&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Insurance carriers and related activities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1004&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Internet publishing and broadcasting	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=904&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Leather and allied product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=536&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Lessors of nonfinancial intangible assets (except copyrighted works)	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1103&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Machinery manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=515&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Management of companies and enterprises	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1300&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=500&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Mining (except oil and gas)	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=202&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Mining, quarrying, and oil and gas extraction	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=200&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Miscellaneous manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=522&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Miscellaneous store retailers	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=712&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Monetary Authorities-central bank	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1001&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Motion picture and sound recording industries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=902&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Motor vehicle and parts dealers	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=701&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Motor vehicles, bodies and trailers, and parts manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=518&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Museums, historical sites, and similar institutions	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1702&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Nondurable goods manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=530&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Nonmetallic mineral product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=512&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Nonstore retailers	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=713&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Nursing and residential care facilities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1603&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Oil and gas extraction	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=201&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Other information services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=907&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Other services (except public administration)	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1900&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Other transportation equipment manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=519&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Paper manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=537&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Performing arts, spectator sports, and related industries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1701&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Personal and laundry services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1902&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Petroleum and coal products manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=539&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Pipeline transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=806&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Plastics and rubber products manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=542&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Primary metal manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=513&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Printing and related support activities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=538&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Private households	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1904&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Professional, scientific, and technical services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1200&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Publishing industries (except Internet)	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=901&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Rail transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=802&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Real estate	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1101&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Real estate and rental and leasing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1100&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Religious, grantmaking, civic, professional, and similar organizations	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1903&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Rental and leasing services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1102&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Repair and maintenance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1901&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Retail trade	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=700&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Scenic and sightseeing transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=807&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Securities, commodity contracts, and other financial investments and related activities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1003&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Social assistance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1604&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Specialty trade contractors	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=403&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Sporting goods, hobby, musical instrument, and book stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=709&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Support activities for agriculture and forestry	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=103&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Support activities for mining	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=203&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Support activities for transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=808&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N

BEA Line Description	API URL	BEA Table
Private nonfarm earnings: Telecommunications	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=905&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Textile mills	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=533&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Textile product mills	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=534&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Transit and ground passenger transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=805&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Transportation and warehousing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=800&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Truck transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=804&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Utilities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=300&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Warehousing and storage	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=811&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Waste management and remediation services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=1402&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Water transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=803&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Wholesale trade	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=600&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Private nonfarm earnings: Wood product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=511&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Proprietor income	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=70&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N

BEA Line Description	API URL	BEA Table
Supplements to wages and salaries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=60&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Wages and salaries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA5N&LineCode=50&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA5N
Average compensation per job	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=9&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Compensation of employees	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=1&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Compensation: Government and government enterprises	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=900&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Employer contributions for employee pension and insurance funds	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=7&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Employer contributions for government social insurance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=8&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Farm compensation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=81&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Govt. and govt. enterprises compensation: Federal, civilian	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=910&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Govt. and govt. enterprises compensation: State and local	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=930&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Govt. and govt. enterprises compensation: State government	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=931&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Nonfarm compensation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=82&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=90&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Agricultural services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=110&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Agricultural services, forestry, and fishing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=100&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Amusement and recreation services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=835&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Apparel and accessory stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=625&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Apparel and other textile products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=462&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Automotive dealers and service stations	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=624&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Automotive repair, services, and parking	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=825&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Building materials and garden equipment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=621&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Business services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=820&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Chemicals and allied products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=471&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Coal mining	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=220&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Combined real estate, insurance, etc.	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=735&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Communications	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=560&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Construction	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=300&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Depository and nondepository institutions	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=710&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Durable goods manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=410&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Eating and drinking places	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=627&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Educational services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=855&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Electric, gas, and sanitary services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=570&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Electronic and other electric equipment	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=432&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Engineering and management services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=875&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Fabricated metal products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=426&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Finance, insurance, and real estate	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=700&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Fishing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=122&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Food and kindred products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=453&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Food stores	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=623&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Forestry	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=121&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Forestry and fishing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=120&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Furniture and fixtures	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=417&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: General building contractors	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=310&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: General merchandise stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=622&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Health services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=845&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Heavy construction contractors	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=320&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Holding and other investment offices	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=736&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Home furniture and furnishings stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=626&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Hotels and other lodging places	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=805&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Industrial machinery and equipment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=429&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Instruments and related products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=441&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Insurance agents, brokers, and services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=733&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Insurance carriers	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=732&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Leather and leather products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=480&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Legal services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=850&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Local and interurban passenger transit	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=541&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Lumber and wood products	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=413&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=400&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Membership organizations	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=870&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Metal mining	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=210&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Mining	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=200&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Miscellaneous manufacturing industries	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=444&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Miscellaneous repair services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=830&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Miscellaneous retail	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=628&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Miscellaneous services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6&LineCode=880&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Motion pictures	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=840&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Motor vehicles and equipment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=435&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Museums, botanical, zoological gardens	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=865&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Nondurable goods manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=450&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Nonmetallic minerals, except fuels	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=240&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Oil and gas extraction	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=230&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Ordnance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=447&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Other finance, insurance, and real estate	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=730&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Other transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=540&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Other transportation equipment	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=438&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Paper and allied products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=465&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Personal services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=810&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Petroleum and coal products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=474&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Pipelines, except natural gas	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=543&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Primary metal industries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=423&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Printing and publishing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=468&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Private households	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=815&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Railroad transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=510&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Real estate	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=734&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Retail trade	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=620&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Rubber and miscellaneous plastics products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=477&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Security and commodity brokers	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=731&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=800&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Social services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=860&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Special trade contractors	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=330&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Stone, clay, and glass products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=420&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Textile mill products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=459&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Tobacco products	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=456&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Transportation and public utilities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=500&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Transportation by air	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=542&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Transportation services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=544&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Trucking and warehousing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=520&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Water transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=530&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Private nonfarm compensation: Wholesale trade	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=610&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Supplements to wages and salaries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=6&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Wages and salaries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6&LineCode=5&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6
Average compensation per job	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=9&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Compensation of employees	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Employer contributions for employee pension and insurance funds	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=7&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N

BEA Line Description	API URL	BEA Table
Employer contributions for government social insurance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=8&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Farm compensation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=81&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Govt. and govt. enterprises compensation: Local government	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=2012&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Govt. and govt. enterprises compensation: State government	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=2011&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Nonfarm compensation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=82&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=90&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Accommodation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1801&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Accommodation and food services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1800&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Administrative and support and waste management and remediation services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1400&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Administrative and support services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1401&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Air transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=801&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Ambulatory health care services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1601&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Amusement, gambling, and recreation industries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1703&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Apparel manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=535&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Arts, entertainment, and recreation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1700&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Beverage and tobacco product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=532&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Broadcasting (except Internet)	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=903&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Building material and garden equipment and supplies dealers	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=704&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Chemical manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=541&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Clothing and clothing accessories stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=708&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Computer and electronic product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=516&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Construction	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=400&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Construction of buildings	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=401&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Couriers and messengers	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=809&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Credit intermediation and related activities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1002&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Data processing, hosting, and related services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=906&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Durable goods manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=510&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Educational services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1500&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Electrical equipment, appliance, and component manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=517&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Electronics and appliance stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=703&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Fabricated metal product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=514&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Finance and insurance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1000&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Fishing, hunting and trapping	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=102&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Food and beverage stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=705&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Food manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=531&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Food services and drinking places	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1802&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Forestry and logging	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=101&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Forestry, fishing, and related activities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=100&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Funds, trusts, and other financial vehicles	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1005&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Furniture and home furnishings stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=702&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Furniture and related product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=521&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Gasoline stations	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=707&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Health and personal care stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=706&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Health care and social assistance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1600&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Heavy and civil engineering construction	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=402&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Hospitals	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1602&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Information	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=900&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Insurance carriers and related activities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1004&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Internet publishing and broadcasting	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=904&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Leather and allied product manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=536&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Lessors of nonfinancial intangible assets (except copyrighted works)	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1103&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Machinery manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=515&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Management of companies and enterprises	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=1300&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=500&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Mining (except oil and gas)	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=202&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Mining, quarrying, and oil and gas extraction	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=200&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Miscellaneous manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=522&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Miscellaneous store retailers	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=712&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Monetary Authorities-central bank	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=1001&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Motion picture and sound recording industries	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=902&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Motor vehicle and parts dealers	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=701&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Motor vehicles, bodies and trailers, and parts manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=518&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Museums, historical sites, and similar institutions	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=1702&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Nondurable goods manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=530&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Nonmetallic mineral product manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=512&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Nonstore retailers	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=713&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Nursing and residential care facilities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1603&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Oil and gas extraction	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=201&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Other information services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=907&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Other services (except public administration)	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1900&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Other transportation equipment manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=519&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Paper manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=537&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Performing arts, spectator sports, and related industries	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1701&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Personal and laundry services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1902&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Petroleum and coal products manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=539&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Pipeline transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=806&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Plastics and rubber products manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=542&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Primary metal manufacturing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=513&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Printing and related support activities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=538&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Private households	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1904&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Professional, scientific, and technical services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1200&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Publishing industries (except Internet)	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=901&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Rail transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=802&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Real estate	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1101&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Real estate and rental and leasing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1100&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Religious, grant making, civic, professional, and similar organizations	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1903&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Rental and leasing services	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1102&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Repair and maintenance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1901&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Retail trade	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=700&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Scenic and sightseeing transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=807&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Securities, commodity contracts, and other financial investments and related activities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1003&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Social assistance	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=1604&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Specialty trade contractors	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=403&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Sporting goods, hobby, musical instrument, and book stores	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=709&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Support activities for agriculture and forestry	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=103&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Support activities for mining	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=203&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Support activities for transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=808&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Telecommunications	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=905&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Textile mills	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=533&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Textile product mills	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=534&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Transit and ground passenger transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=805&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Transportation and warehousing	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=800&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Truck transportation	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=804&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Utilities	https://bea.gov/api/data/?&method=GetData&dataset name=RegionalIncome&TableName=CA6N&LineCode=300&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N

BEA Line Description	API URL	BEA Table
Private nonfarm compensation: Warehousing and storage	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=811&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Waste management and remediation services	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=1402&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Water transportation	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=803&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Wholesale trade	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=600&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Private nonfarm compensation: Wood product manufacturing	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=511&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Supplements to wages and salaries	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=6&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N
Wages and salaries	https://bea.gov/api/data/?&method=GetData&datasetname=RegionalIncome&TableName=CA6N&LineCode=5&Year=2015&GeoFips=COUNTY&ResultFormat=json	CA6N

Appendix Table C 12. Names and descriptions for database tables in PacFIN's ECON schema.

Table Name	Table Description	Type
ACS_API_DATA	Stores processed metrics from the API data by dataset key and variable name, which is a concatenated table name, variable value	TABLE
ACS_API_STATUS	Shows the min year, max year, and load dates for ACS variables available through the ACS_METRICS and or ACS5YEAR materialized views	VIEW
ACS_DERIVED_DATA	Stores metrics derived from the API data by dataset key and variable name, which is a concatenated table name, variable value	TABLE
ACS_METRICS	Formats and combines ACS-sourced and PacFIN-derived metrics from ACS_API_DATA and ACS_DERIVED_DATA	VIEW
ACS5YEAR_WOC_COUNTY	Materialized view that aggregates and assembles the ACS 5-year data by county and optimizes for delivery via Oracle APEX	TABLE
ACS5YEAR_WOC_PLACE	Materialized view that aggregates and assembles the ACS 5-year data by place and optimizes for delivery via Oracle APEX	TABLE
BEA_API_DATA	Stores processed metrics from the Bureau of Economic Analysis API data by dataset key and variable name, which is a concatenated table name, variable value	TABLE
BEA_API_STATUS	Shows min year, max year, and load dates for ACS variables available through the BEA views.	VIEW
BEA_COMPENSATION	Bureau of Economic Analysis source for compensation sourced by the BEA API	VIEW
BEA_EMPLOYMENT	Bureau of Economic Analysis source for employment, sourced by the BEA API	VIEW
BEA_INCOME_SUMMARY	Bureau of Economic Analysis source for income summary, sourced by the BEA API	VIEW
BEA_PERSONAL_INCOME	Bureau of Economic Analysis source for personal income, sourced by the BEA API	VIEW
CENSUS_API_DATA	Stores processed decennial metrics from the US Census Bureau API data by dataset key and variable name, which is a concatenated table name, variable value	TABLE
CENSUS_API_STATUS	Shows min year, max year, and load date for CENSUS variables available through the CENSUS_METRICS view.	VIEW
CENSUS_COUNTY	Table of county values from the US Census Bureau	TABLE
CENSUS_DERIVED_DATA	Stores metrics derived from the Census API data and compiled by the final CENSUS_METRICS view.	TABLE
CENSUS_METRICS	Formats and combines Census-sourced and PacFIN-derived metrics from CENSUS_API_DATA and CENSUS_DERIVED_DATA	VIEW
CENSUS_STATE	Table of state values from the US Census Bureau	TABLE
CENSUS_TIGERLINE_PLACE	Table of place values from the US Census Bureau TIGERLINE database	TABLE

Table Name	Table Description	Type
CP_DIM_AGENCY	Proof of concept community profiling data mart, agency dimension	TABLE
CP_DIM_LOCATION	Proof of concept community profiling data mart, location dimension	TABLE
CP_DIM_YEAR	Proof of concept community profiling data mart, year dimension	TABLE
CPF_CTY_ACS	Proof of concept community profiling data mart ACS facts by county	TABLE
CPF_CTY_BEA	Proof of concept community profiling data mart BEA facts by county	TABLE
CPF_CTY_CENSUS	Proof of concept community profiling data mart decennial census facts by county	TABLE
CPF_CTY_COMM	Proof of concept community profiling data mart commercial fish ticket facts by county	TABLE
CPF_PLC_COMM	Proof of concept community profiling data mart commercial fish ticket facts by place	TABLE
CPVIEW_COUNTY	Proof of concept view showing easy combination of county level metrics from the CPF_CTY fact tables	VIEW
CPVIEW_PLACE	Proof of concept view showing easy combination of county level metrics from the CPF_PLACE fact tables	VIEW
FIPS_PLACE	Census FIPS place reference	TABLE
GAZETTEER_COUNTY	Census Gazetter county reference	TABLE
GAZETTEER_PLACE	Census Gazetter place reference	TABLE
GDP_ADJUST	Base GDP index data as downloaded from FRED	VIEW
GDP_ADJUST_V	GDP view that specifies the year in which data should be indexed	VIEW
NWFSC_PORT_GEOID	Translation table for agency port code to geo identifier, originally provided by NWFSC and enhanced by PacFIN to facilitate reporting.	TABLE
NWFSC_VULNERABILITY_INDICATORS	List of ACS and Decennial Census variables required for vulnerability analyses.	TABLE
PACFIN_COUNTY_CODES	PacFIN county code reference	TABLE
PACFIN_PORT_CODES	PacFIN port code reference	TABLE
PCE_ADJUST	Base PCE index data as downloaded from FRED	VIEW
PCE_ADJUST_V	PCE view that specifies the year in which data should be indexed	VIEW
RECFIN_CATCH_EST	Summary of the RecFIN catch estimate data by year, port, and species	TABLE
USGS_GNIS	US Geographic Survey's Geographic Names Information System source for places and locations.	TABLE

Appendix Table C 13. Relation between value-added metric groupings *ACS Class*, *PacFIN Class*, and *NWFSC Class*.

ACS Class	PacFIN Class	NWFSC Class
ECONOMIC	EDUCATION	PERSONAL DISRUPTION INDEX
ECONOMIC	EDUCATION	WEALTH AND EDUCATION
ECONOMIC	EMPLOYMENT	LABOR FORCE STRUCTURE INDEX
ECONOMIC	EMPLOYMENT	NATURAL RESOURCE LABOR FORCE INDEX
ECONOMIC	EMPLOYMENT	PERSONAL DISRUPTION INDEX
ECONOMIC	INCOME	LABOR FORCE STRUCTURE INDEX
ECONOMIC	INCOME	POVERTY INDEX
ECONOMIC	INCOME	WEALTH AND EDUCATION
ECONOMIC	POVERTY	PERSONAL DISRUPTION INDEX
ECONOMIC	POVERTY	POVERTY INDEX
HOUSING	HOUSING	HOUSING CHARACTERISTICS INDEX
HOUSING	HOUSING	WEALTH AND EDUCATION
SOCIAL	ETHNICITY	POPULATION COMPOSITION INDEX
SOCIAL	POPULATION	POPULATION COMPOSITION INDEX
SOCIAL	SOCIAL	POPULATION COMPOSITION INDEX

Appendix Table C 14. Data filtering and downloading options available for interactive reports in the *West Coast Fishing Communities Socio-Economic Data Hub*. For each report number and report name, column headers correspond to user controlled report features.

Report Number	Report Name	Year	State	County	Place	ACS Class	PacFIN Class	NWFSC Class	Metric	Data Source	Data Download
CEN001	ACS 5-Year Estimates - By County	many	one	many	NA	All-or-one ¹³	All-or-one	NA	All-or-one	ACS	CSV; HTML
CEN002	ACS 5-Year Estimates - By Place	many	one	NA	many	All-or-one	All-or-one	NA	All-or-one	ACS	CSV
ESS002	Community Metrics - By Place	many	one	NA	One	NA	NA	All-or-one	All-or-one	ACS	CSV; HTML
ESS004	ACS National Vulnerability Indicator	many	one	NA	many	NA	NA	NA	many	ACS; Decennial Census; Commercial Fish Tickets	CSV; XML

¹³ “All-or-one” indicates that the report can display all data series within the grouping or a single data series. Reports with this option do not support filtering for multiple metrics within a grouping.