

User Guide for Economic Markets, Economic Sub-Markets, and Regional Planning Units Interactive Maps and Data Tables

OVERVIEW

The Interactive Maps and Data Tables provide industry and occupation information in geographic areas and focus on future employment demand of industry clusters and features them as primary investment opportunities for California's workforce development system.

Each tab contains an interactive dashboard, which is comprised of a map and two data tables.

Interactive Maps and Data Tables

Statewide | Economic Markets | Sub Markets | Regional Planning Units | Methodology

Economic Analysis - Economic Markets

California Economic Markets

Industry Clusters

Select an Industry Clusters to view the Occupations within that cluster

Aerospace

Cluster	New Job Openings	Replacement Job Openings	Total Projected Job Openings
Hospitality and Tourism	291,900	531,983	823,883
Retail	204,900	442,568	647,468
Health Care Services	317,200	285,028	602,228
Business Services	257,600	234,687	492,287
Education and Training	151,100	297,227	448,327
Professional and Technical Se..	200,500	149,983	350,483
Information and Communicati..	178,900	138,996	317,896
Construction Materials and Se..	194,900	110,061	304,961
Social Services	201,700	70,074	271,774
Financial Services and Real E..	89,000	157,710	246,710
Agriculture, Food, and Bevera..	69,700	159,604	229,304
Transportation and Logistics	68,700	102,134	170,834

Occupations

Standard Occupational Classification (SOC) Title	SOC Code	Entry Level Education	Median Annual Wage	Median Hourly Wage	New Job Openings	Replacement Job Openings	Total Projected Job Openings	Online Job Ads (HWOL)
Architectural and Engineering Managers	11-9041	Bachelor's degree	\$158,196.00	\$75.01	0	368	368	35
Computer and Information Systems Managers	11-3021	Bachelor's degree	\$151,307.00	\$71.74	0	111	111	87
Marketing Managers	11-2021	Bachelor's degree	\$147,759.00	\$70.06	0	21	21	352
Financial Managers	11-3031	Bachelor's degree	\$128,282.00	\$60.82	0	56	56	155
Managers, All Other	11-9199	High school diploma or Equiv..	\$124,476.00	\$59.01	0	88	88	149
Sales Managers	11-2022	Bachelor's degree	\$123,090.00	\$58.36	0	21	21	141
Software Developers, Systems Software	15-1133	Bachelor's degree	\$120,860.00	\$57.31	400	372	772	68
Computer Hardware Engineers	17-2061	Bachelor's degree	\$118,722.00	\$56.30	0	22	22	25

Source: California Employment Development Department, Projections of Employment 2012-2022, Occupational Employment Statistics Wage Survey, updated to 4th Q, 2014. Additional wage data can be found at the CES Employment and Wages by Occupation <http://www.labormarketinfo.ca.gov/data/ces-employment-and-wages.html>. The Conference Board Help Wanted OnLine® (HWOL) Data Series, 120-day period ending April 30, 2015.

Section 1

Section 2

Section 3

DASHBOARD STRUCTURE / LAYOUT

Section 1: California Statewide / Economic Markets / Sub-Markets / Regional Planning Units

- Visualization Type: Map
 - Displays a California map with each economic market color-coded to a legend.

Section 2: Industry Clusters

- Visualization Type: Table
 - The industry cluster table includes projected job openings (new, replacement, total) within the state or selected economic market, sub-market, or regional planning unit. The table is sorted by the largest number of total projected job openings. To sort by other headings, hover the cursor over the category (e.g., "New Job Openings") for the sort icon (≡) to appear, and then select the icon.

Section 3: Occupations

- Visualization Type: Table
 - The Occupations table includes occupation information relative to the selected geographic area and industry cluster. The table includes the Standard Occupational Classification (SOC) title and code, entry level education, median wage data, projected job openings (new, replacement, total), along with the recent number of job ads. Occupations are sorted alphabetically. To sort by other headings, hover the cursor over the category (e.g., “Total Projected Job Openings”) for the sort icon (🔽) to appear, and then select the icon.

TABS

- The **Statewide** tab includes projected job openings and occupation and wage data on a California statewide level.
- The **Economic Markets** tab includes projected job openings and occupation and wage data in a geographic Economic Market. An Economic Market consists of four or more counties (with the exception of the Southern Border Economic Market, which consists of two counties). To select an Economic Market, select the Economic Markets tab, and then select an Economic Market from the drop-down menu on the left. To view occupation data by industry cluster, select desired industry cluster.
- The **Sub-Markets** tab includes projected job openings and occupation and wage data on a smaller geographic level within an Economic Market. Data are not available at the individual county level unless the Sub-Market is a single county. To select an Economic Sub-Market, select the Sub-Markets tab, and then select an Economic Sub-Market from the drop-down menu on the left.
- The **Regional Planning Units (RPU)** tab includes projected job openings and occupation and wage data within a Regional Planning Unit. Regional Planning Units respect the existing administrative boundaries of counties and Local Workforce Development Boards while providing a foundation upon which to facilitate regional planning under the requirements of the Workforce Innovation and Opportunity Act (WIOA). To select an RPU, select the Regional Planning Units tab, and then select an RPU from the drop-down menu on the left.
- The **Methodology** tab describes the process of the geographic area and industry cluster formation.

Additional Information

- Due to confidentiality, some industry cluster and occupational data have been suppressed.
- Hover the cursor over the industry cluster title to view the entire name.
- Selecting a specific county on the map will not provide individual county data.
- When selecting an occupational title or industry cluster, the SUM of Measure Values feature does not provide a usable or accurate value. We are looking into deactivating this feature.
- Industry and occupational employment projections for 2012-2022 in these tables may not be directly comparable to the published 2012-2022 employment projections available online at www.labormarketinfo.edd.ca.gov.
- HWOL data represent job advertisements from employers in all industries. One job opening may be represented in more than one job advertisement.
- Selecting the occupation title or SOC code links to O*NET OnLine (Occupational Information Network) which provides more detailed information about the selected occupation.
- New jobs are only openings due to growth and do not include job declines. If an occupation's employment change is negative, there is no job growth and new jobs are set to zero.
- Replacement job openings estimate the number of job openings created when workers retire or permanently leave an occupation and need to be replaced.

- Total job openings are the sum of new jobs and replacement job openings.
- Wages are across all industries and specific to the selected economic market, economic sub-market, or regional planning unit.
- Median hourly and annual wages are the estimated 50th percentile of the distribution of wages; 50 percent of workers in an occupation earn wages below, and 50 percent earn wages above the median wage. The wages do not include self-employed or unpaid family workers.
- Entry level education shown in the Occupations table is based on the national requirement. The Bureau of Labor Statistics develops and assigns education and training categories to each occupation. For more information on these categories, please see http://www.bls.gov/emp/ep_education_training_system.htm