

LABOR MARKET INFO Workshop

What is Labor Market Information (LMI)?

LMI is the collection, analysis, and publication of statistical data and reports on California's labor force, industries, occupations, employment projections, wages and other important labor market and economic data.

With LMI, you'll be to focus on 5 main questions:

- Geographically, where are the jobs at?
- What skills do I need?
- Which industries employ people in this occupation?
- How many jobs are open?
- How much will I earn?

Location

- Are you willing to relocate for your career or are you limited to a particular city?
- Transportation – do you travel by privately owned vehicle, car-pool, or public transportation?
- Traffic – how long are you willing to sit in it?
- Will this company offer remote work?
 - If so, how many times will you go to the office?
- Will they offer a flex work schedule?

Skills

Labor market information can tell you what training and education is expected for your desired occupation, and whether additional education will be required for you to advance.

- With Occupational Skills Training programs like the Digital Marketing, Business Intelligence Analyst, and Java Programming from institutions from UCSD, SDSU, USD will give you the **core skills** needed to start a career in the desired occupations
- LMI helps identify which skills are the most frequent and highly desired

- **Conduct searches for skills, not job titles.** Job titles may be industry-specific, but employers across many different industries employ people in much the same roles. By focusing your keywords on skills, you get more variety in your results.

USING EDD'S LMI WEBSITE

www.labormarketinfo.edd.ca.gov

The screenshot shows the EDD Labor Market Information website. At the top, there is a navigation bar with links for Home, Benefits Login, and Employer Login. Below this is a main menu with icons and labels for Jobs, Claims, Employers, Newsroom, and Search. The main content area is titled "Labor Market Information" and includes a brief description of the LMID's role. Below the description are navigation links: Home, By Customer, **By Subject** (circled in red), By Geography, Data Library, and Online Services. The section is titled "California Labor Market - Current Status" and contains two main components: a table of indicators and a line chart showing unemployment rate trends.

| California Labor Market Indicators | | | | |
|------------------------------------|------------|--------------|----------|---|
| Metrics | July, 2020 | August, 2020 | Change | |
| Unemployment Rate | 13.5% | 11.4% | -2.1% | ↓ |
| Labor Force | 18,825,900 | 18,708,800 | -117,100 | ↓ |
| Employment | 16,282,600 | 16,574,300 | 291,700 | ↑ |
| Unemployment | 2,543,300 | 2,134,600 | -408,700 | ↓ |
| Nonfarm Jobs | 15,772,500 | 15,874,400 | 101,900 | ↑ |

Data Source: EDD Labor Market Information Division
 Note: Data is seasonally adjusted. July 2020 data is revised and August 2020 data is preliminary.

The "Unemployment Rate Trend" chart shows the unemployment rate for California (blue line) and the United States (red line) from 1976 to 2021. The California rate is currently at 11.4% and the United States rate is at 8.4%.

Click by Subject

CA.GOV Home Benefits Login Employer Login

EDD Employment Development Department State of California Jobs Claims Employers Newsroom Search

- Healthcare in California
- Industry Employment (California Areas) – Official Estimates
- Industry Employment (Counties)
- Industry Employment (Metropolitan Areas)
- Industry Employment Summary: Seasonally Adjusted | Not Seasonally Adjusted
- Major Employers in each California County
- NAICS Industry Search Tool
- Size of Business Data 2005-present

Occupations

- Occupation Data
- Occupation Profile Database
- Occupational CodeFinder Tool
- Occupational Guides
- Occupational Guides (en español)
- Occupational Licenses
- Training and Apprenticeships

Employment Projections

- California Employment Projections (Short-term & Long-term)
- Job Outlook for California Community College Educational Programs
- Online Job Vacancy Statistics / (HWOL)

Wages

Scroll down to Occupations then click Occupation Data

CA.GOV Home Benefits Login Employer Login

EDD Employment Development Department State of California Jobs Claims Employers Newsroom Search

Occupation Data

Labor Market Information Resources and Data: [Home](#) | [By Customer](#) | [By Subject](#) | [By Geography](#) | [Data Library](#) | [Online Services](#)

The California Occupational Guides provide detailed information on California wages, job outlook, education, and licensing requirements for approximately 300 occupations. The Guides offer students and jobseekers occupational information to assist with making informed career choices.

[Show All](#) | [Hide All](#)

- California Occupational Guides and Occupation Profiles
- Data by Occupation
 - Employment Projections
Employment Projections forecast future "demand" or "outlook" of the employment for an occupation. These projections estimate long-term (10 years) employment outlook for California and areas. Short-term (2 years) projections are available statewide.
 - Occupational Licenses
Some occupations require a license or certificate. In California, most licenses are issued by state of California agencies. Check with the licensing agency for California or another state for current information on fees and requirements.
 - Wages and Employment by Occupation
Occupations are sets of activities or tasks that are performed over a period of time. Tables provide wages and employment by occupation.

- Data by Occupation
 - Wages & employment by occupation

| | 2020 1st Quarter | 2019 1st Quarter | 2018 1st Quarter | 2017 1st Quarter | 2016 1st Quarter | 2015 1st Quarter | 2014 1st Quarter | 2013 1st Quarter |
|--|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|
| Mono County (part of Eastern Sierra-Mother Lode Region*) | Excel | Excel | | | | | | |
| Mono County (part of Eastern Sierra Region) | | | Excel | Excel | Excel | Excel | Excel | Excel |
| Monterey County (Salinas MSA) | Excel | Excel | Excel | Excel | Excel | Excel | Excel | Excel |
| Napa County (Napa MSA) | Excel | Excel | Excel | Excel | Excel | Excel | Excel | Excel |
| Geographical Areas | | | | | | | | |
| Nevada County (part of North Valley-Northern Mountains Region*) | Excel | Excel | | | | | | |
| Nevada County (part of Northern Mountains Region) | | | Excel | Excel | Excel | Excel | Excel | Excel |
| Orange County (Anaheim-Santa Ana-Irvine MD) | Excel | Excel | Excel | Excel | Excel | Excel | Excel | Excel |
| Placer County (part of Sacramento--Roseville--Arden-Arcade MSA) | Excel | Excel | Excel | Excel | Excel | Excel | Excel | Excel |
| Plumas County (part of North Valley-Northern Mountains Region*) | Excel | Excel | | | | | | |
| Plumas County (part of Northern Mountains Region) | | | Excel | Excel | Excel | Excel | Excel | Excel |
| Riverside County (part of Riverside-San Bernardino-Ontario MSA) | Excel | Excel | Excel | Excel | Excel | Excel | Excel | Excel |
| Sacramento County (part of Sacramento--Roseville--Arden-Arcade MSA) | Excel | Excel | Excel | Excel | Excel | Excel | Excel | Excel |
| San Benito County (part of San Jose-Sunnyvale-Santa Clara MSA) | Excel | Excel | Excel | Excel | Excel | Excel | Excel | Excel |
| San Bernardino County (part of Riverside-San Bernardino-Ontario MSA) | Excel | Excel | Excel | Excel | Excel | Excel | Excel | Excel |
| San Diego County (San Diego-Carlsbad MSA) | Excel | Excel | Excel | Excel | Excel | Excel | Excel | Excel |
| San Francisco County (part of San Francisco-Redwood City-South San Francisco MD) | Excel | Excel | Excel | Excel | Excel | Excel | Excel | Excel |
| | 2020 1st | 2019 1st | 2018 1st | 2017 1st | 2016 1st | 2015 1st | 2014 1st | 2013 1st |

- Scroll down to San Diego County – 1st quarter 2020
 - Open Excel

| MSA Code | Geographic Area Name | SOC Code | Occupational Title | May 2019 Employment Estimates | Mean Hourly Wage | Mean Annual Wage | Mean Relative Standard Error (1) | 2020 - 1st Quarter Wages | | |
|----------|-------------------------------|----------|--|-------------------------------|------------------|------------------|----------------------------------|-----------------------------|--------------------------------------|-----------------------------|
| | | | | | | | | 25th Percentile Hourly Wage | 50th Percentile (Median) Hourly Wage | 75th Percentile Hourly Wage |
| 83 | 041740 San Diego-Carlsbad, CA | 15-0000 | Computer and Mathematical Occupations | 57,080 | \$50.31 | \$104,627 | 1.30 | \$35.93 | \$49.11 | \$62.21 |
| 84 | | | | | | | | | | |
| 85 | 041740 San Diego-Carlsbad, CA | 15-1211 | Computer Systems Analysts | 6,830 | \$48.36 | \$100,572 | 4.10 | \$34.56 | \$46.09 | \$60.66 |
| 86 | 041740 San Diego-Carlsbad, CA | 15-1212 | Information Security Analysts | 1,180 | \$52.41 | \$109,009 | 1.70 | \$42.89 | \$50.35 | \$60.68 |
| 87 | 041740 San Diego-Carlsbad, CA | 15-1221 | Computer and Information Research Scientists | 1,100 | \$59.79 | \$124,362 | 5.10 | \$47.48 | \$61.74 | \$65.75 |
| 88 | 041740 San Diego-Carlsbad, CA | 15-1231 | Computer Network Support Specialists | 1,250 | \$37.52 | \$78,039 | 3.90 | \$25.65 | \$35.30 | \$45.59 |
| 89 | 041740 San Diego-Carlsbad, CA | 15-1232 | Computer User Support Specialists | 4,420 | \$29.86 | \$62,104 | 1.40 | \$22.58 | \$28.62 | \$35.64 |
| 90 | 041740 San Diego-Carlsbad, CA | 15-1241 | Computer Network Architects | 2,020 | \$61.93 | \$128,815 | 7.80 | \$42.17 | \$56.27 | \$73.31 |

- Find your desired occupation

- 25th percentile = entry-level / 0-3 years' experience
- 50th percentile = mid-level / 3-7 years' experience
- 75th percentile = senior-level / 8+ years' experience
 - Why is knowing the different levels important?

SALARY NEGOTIATION

- Don't be undersold
- Don't overextend your salary expectations

Identifying Employers and Skills

Return to EDD LMI website and scroll back up to top of page

- Click "By Subject"

The screenshot shows the EDD LMI website interface. At the top, there is a blue navigation bar with the CA.GOV logo on the left and links for Home, Benefits Login, and Employer Login on the right. Below this is a white navigation bar with links for Jobs, Claims, Employers, Newsroom, and Search. A yellow horizontal line separates the navigation from the main content area. The main content area has a white background and contains several sections of links:

- Major Employers in each California County**
 - [NAICS Industry Search Tool](#)
 - [Size of Business Data 2005-present](#)
- Occupations**
 - [Occupation Data](#)
 - [Occupation Profile Database](#) (indicated by a blue arrow)
 - [Occupational CodeFinder Tool](#)
 - [Occupational Guides](#)
 - [Occupational Guides \(en español\)](#)
 - [Occupational Licenses](#)
 - [Training and Apprenticeships](#)
- Employment Projections**
 - [California Employment Projections \(Short-term & Long-term\)](#)
 - [Job Outlook for California Community College Educational Programs](#)
 - [Online Job Vacancy Statistics / \(HWOL\)](#)
- Wages**
 - [Quarterly Census of Employment and Wages \(QCEW\)](#)
 - [Occupational Employment Statistics and Wages \(OES\)](#)
 - [Hours and Earnings by Select Industries](#)
 - [QCEW Quick Query by Geography](#)

- Scroll down to Occupations
 - Occupation Profile Database

Occupation Profile - Step 1

Labor Market Information Resources and Data: [Home](#) | [By Customer](#) | [By Subject](#) | [By Geography](#) | [Data Library](#) | [Online Services](#)

To find occupational information, first enter an occupation title, keyword, or occupation code. Then select an area and click on the Search button.

Search Hints: The keyword search will look for the word or phrase in the occupation titles and descriptions. To narrow or broaden the scope of your search, you may wish to experiment with the key word you submit. For example, a search on lawyer will return 3 occupations, while a search for law will return over 30 occupations.

[Help with this page?](#)

Select an area and enter Occupation Title, Keyword, or Occupation Code

Enter an Occupation title:

Select an area: Select a County

[More Search Options](#)

[Search By Occupation Category and Title](#)

- Enter keyword your desired occupation title
 - Be sure to select SD County
 - Will search for all counties in CA otherwise

Software Developers, Systems Software
 (SOC Code : 15-1133)
 in San Diego County
 Research, design, develop, and test operating systems-level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. Set operational specifications and formulate and analyze software requirements. Apply principles and techniques of computer science, engineering, and mathematical analysis.
 Employers are usually looking for candidates with a Bachelor's degree .
 San Diego County is the same as San Diego-Carlsbad MSA.

Occupational Wages
 Wages for this occupation in San Diego County are not available. [\[Top\]](#)
[View Wages for All Areas](#) [About Wages](#)

Occupational Projections of Employment (also called "Outlook" or "Demand") [\[Top\]](#)

| Area | Estimated Year-Projected Year | Employment | | Employment Change | | Annual Avg Openings |
|------------------|-------------------------------|------------|-----------|-------------------|---------|---------------------|
| | | Estimated | Projected | Number | Percent | |
| San Diego County | 2016 - 2026 | 8,400 | 9,410 | 1,010 | 12.0 | 660 |

[View Projections for All Areas](#) [About Projections](#)

- Occupational Projections of Employment
 - Annual avg openings: divide annual openings by 12, **660/12 = 55** monthly openings (chances are good regarding competition)

- More than 100 means better chance of receiving call for interview
- Less than 100, investigate special/required skills, education and exp required

Industries Employing This Occupation (click on Industry Title to View Employers List) [\[Top\]](#)

| Industry Title | Number of Employers in San Diego County | Percent of Total Employment for Occupation in State of California |
|---|---|---|
| Computer Systems Design and Rel Services | 798 | 32.9% |
| Computers and Peripheral Equipment | 26 | 10.8% |
| Electronic Instrument Manufacturing | 88 | 6.8% |
| Scientific Research and Development Svc | 905 | 5.3% |
| Management & Technical Consulting Svc | 3,292 | 4.2% |
| Aerospace Product & Parts Manufacturing | 20 | 3.7% |
| Software Publishers | 467 | 3.6% |
| Architectural and Engineering Services | 1,861 | 3.2% |
| Communications Equipment Manufacturing | 52 | 3.2% |
| Semiconductor and Electronic Components | 130 | 2.8% |
| Data Processing and Related Services | 284 | 1.9% |
| Employment Services | 390 | 1.8% |
| Commercial Goods Merchant Wholesalers | 404 | 1.4% |
| Management of Companies and Enterprises | 406 | 1.3% |
| Electric Goods Merchant Wholesalers | 515 | 1.3% |

[About Staffing Patterns](#)

Training Programs (click on title for more information) [\[Top\]](#)

- Scroll down to begin looking at employers
 - Industry that employs this occupation
 - Number of employers in San Diego County

Employer Search Results

[Back](#)
[New Search](#)
[Print](#)

there are **798 employers** matching your selection criteria.

Go To Page:

Page 1 of 32 (25 results/page) [\[Next\]](#)

| Name | Address | City | Industry | Size Range |
|---|------------------------|-------------|--------------------------------------|-----------------|
| 101DOMAIN | Executive Rdg # 101 | Vista | Computer Systems Design Services | 50-99 employees |
| 1903 Solutions LLC | Lusk Blvd # 203 | San Diego | Computer Systems Design Services | 10-19 employees |
| 241 Mumburs | Poinsettia Ave | Vista | Other Computer Related Services | 1-4 employees |
| 247 PC Tech | Regulo Pl # 1225 | Chula Vista | Custom Computer Programming Services | 5-9 employees |
| 252 Inc | Specialty Dr # A | Vista | Computer Systems Design Services | 10-19 employees |
| 41 Orange Marketing | Black Oak Rd | San Diego | Computer Systems Design Services | 1-4 employees |
| 41 Orange Marketing | Old Town Ave # A203 | San Diego | Computer Systems Design Services | 1-4 employees |
| 5X Technology | Camino Del Rio S # 208 | San Diego | Computer Systems Design Services | 5-9 employees |
| 619 It | Paseo Aldabra | San Diego | Custom Computer Programming Services | 5-9 employees |
| A2E Technologies | Technology Pl # B | San Diego | Custom Computer Programming Services | 10-19 employees |
| Aaron's Computer Relief LLC | Avenida Diestro | Carlsbad | Custom Computer Programming Services | 1-4 employees |
| ABC ISB Inc | State Coach Pl | San Diego | Custom Computer Programming Services | 1-4 employees |

- Filter by company size
- Location
- Industry

Let's check out another great tool that will help with identifying the skills and tasks for an occupation. ONetOnline

- Fill in desired occupation in Occupation Quick Search

| Code | Occupation |
|------------|---|
| 15-1199.08 | Business Intelligence Analysts |
| 33-3021.06 | Intelligence Analysts |
| 15-1199.04 | Geospatial Information Scientists and Technologists |
| 55-3018.00 | Special Forces |
| 13-1161.00 | Market Research Analysts and Marketing Specialists |
| 15-1199.07 | Data Warehousing Specialists |
| 15-1111.00 | Computer and Information Research Scientists |
| 11-3021.00 | Computer and Information Systems Managers |
| 15-1132.00 | Software Developers, Applications |
| 15-1199.00 | Computer Occupations, All Other |
| 13-1199.04 | Business Continuity Planners |
| 27-4013.00 | Radio Operators |
| 19-2099.01 | Remote Sensing Scientists and Technologists |
| 19-3099.00 | Social Scientists and Related Workers, All Other |
| 21-1092.00 | Probation Officers and Correctional Treatment Specialists |
| 33-1012.00 | First-Line Supervisors of Police and Detectives |
| 33-3021.03 | Criminal Investigators and Special Agents |
| 33-9021.00 | Private Detectives and Investigators |
| 43-4071.00 | File Clerks |

- Select occupation

Help Find Occupations Advanced Search Crosswalks Share O*NET Sites

Updated 2020
Bright Outlook

Summary Report for: 15-1199.08 - Business Intelligence Analysts

Produce financial and market intelligence by querying data repositories and generating periodic reports. Devise methods for identifying data patterns and trends in available information sources.

Sample of reported job titles: Business Intelligence Analyst, Competitive Intelligence Analyst, Data Analyst, Intelligence Analyst, Market Intelligence Analyst, Market Intelligence Consultant, Researcher, Strategic Business and Technology Intelligence Consultant, Strategist

View report: **Summary** Details Custom

Tasks | Technology Skills | Tools Used | Knowledge | Skills | Abilities | Work Activities | Detailed Work Activities | Work Context | Job Zone | Education | Credentials | Interests | Work Styles | Work Values | Wages & Employment | Job Openings | Additional Information

Tasks

5 of 16 displayed

- Generate standard or custom reports summarizing business, financial, or economic data for review by executives, managers, clients, and other stakeholders.
- Synthesize current business intelligence or trend data to support recommendations for action.
- Maintain library of model documents, templates, or other reusable knowledge assets.
- Create business intelligence tools or systems, including design of related databases, spreadsheets, or outputs.
- Manage timely flow of business intelligence information to users.

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Technology Skills

5 of 48 displayed [Show 5 tools used](#)

- Data base management system software** — Apache Hadoop 🔥; MongoDB 🔥; Oracle PL/SQL 🔥; Teradata Database 🔥
- Data base user interface and query software** — Amazon Web Services AWS software 🔥; Microsoft Access 🔥; Oracle JDBC 🔥; Transact-SQL 🔥
- Development environment software** — Apache Ant 🔥; Eclipse IDE 🔥; Microsoft Visual Basic 🔥; Ruby 🔥
- Object or component oriented development software** — Apache Groovy 🔥; C# 🔥; Python 🔥; R 🔥
- Web platform development software** — AJAX 🔥; Apache Tomcat 🔥; JavaScript 🔥; Microsoft ASP.NET 🔥

🔥 Hot Technology — a technology requirement frequently included in employer job postings.

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- View Tasks, Technology Skills, and other sections

Remember that you have a variety of tools to contribute to your job search strategy that all relate to Labor Market Info:

- SD Workforce Partnership My Next Move: workforce.org/my-next-move
- CA EDD: labormarketinfo.ca.gov
- ONetOnline: onetonline.org
- SD Career Centers: www.workforce.org/career-centers & www.workforce.org/events