Occupation Report

Cost Estimators

Sacramento-Roseville-Folsom, CA MSA

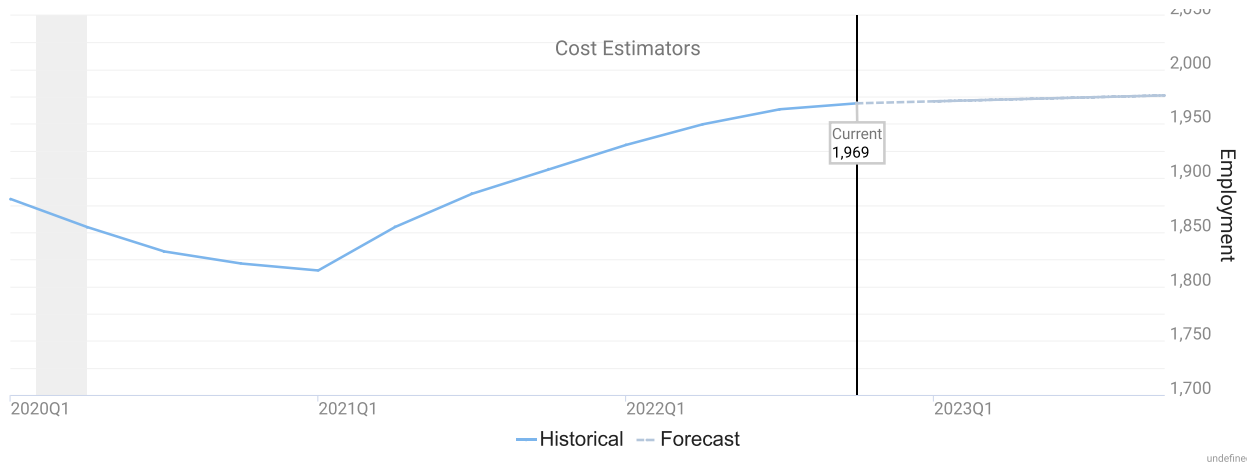# Occupation Snapshot

6-Digit Occupation	Empl	Avg Mean Wages	LQ	3-Year Empl Change	Annual Demand	Forecast Ann Growth
Cost Estimators	1,969	$85,400	1.29	111	187	0.4%
Cost Estimators	**1,969**	**$85,400**	**1.29**	**111**	**187**	**0.4%**

"Annual Demand" is the projected need for new entrants into an occupation. New entrants are needed due to expected growth and to replace workers who left the occupation due to factors such as retirement or switching careers.

"Forecast Ann Growth" is the expected change in jobs due to national, long-term trend projections (per the BLS) as well as local factors such as industry mix and population growth (as computed and modeled by Chmura).

Employment by Industry

Industry Title	% of Occ Empl	Empl	10-Year Separations	10-Year Empl Growth	10-Year Total Demand
Building Equipment Contractors	17.9%	353	318	0	317
Foundation, Structure, and Building Exterior Contractors	14.2%	281	259	14	272
Building Finishing Contractors	10.2%	200	183	7	190
Residential Building Construction	9.3%	183	170	12	183
Automotive Repair and Maintenance	8.8%	174	161	11	172
Nonresidential Building Construction	7.5%	148	136	6	142
Other Specialty Trade Contractors	4.7%	92	83	1	84
Highway, Street, and Bridge Construction	2.7%	54	50	4	54
Utility System Construction	2.3%	46	43	4	46
Services to Buildings and Dwellings	2.0%	39	36	1	37
Architectural, Engineering, and Related Services	1.5%	29	26	0	26
Automobile Dealers	1.4%	28	26	2	27
Architectural and Structural Metals Manufacturing	1.3%	26	25	2	27
Natural Gas Distribution	1.3%	25	22	0	22
Remediation and Other Waste Management Services	1.0%	19	18	2	20
Printing and Related Support Activities	0.8%	16	13	-4	9
Building Material and Supplies Dealers	0.8%	15	14	1	14
Management of Companies and Enterprises	0.7%	14	13	0	14
Furniture and Home Furnishings Retailers	0.6%	12	11	1	12
Hardware, and Plumbing and Heating Equipment and Supplies Merchant Wholesalers	0.5%	11	10	1	10
All Others	10.4%	205	190	11	201

The industry distribution indicates the industries in which workers in the occupation(s) are primarily found.

"10-Year Empl Growth" may show industries with positive as well as negative growth; this would indicate that the occupation(s) being examined are expected to expand within some industries while contracting in others.

Wages
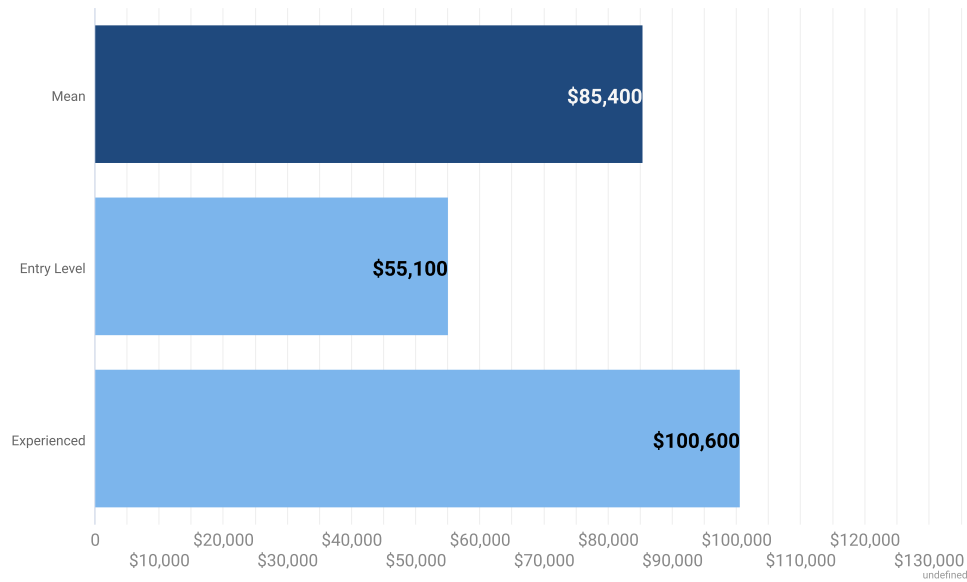
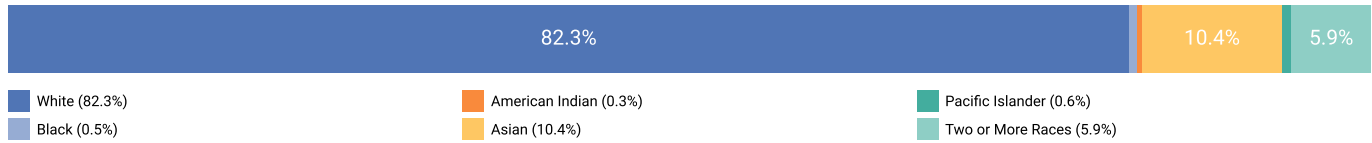| Occupation	Mean	Median	Entry Level	Experienced
Cost Estimators	$85,400	$79,800	$55,100	$100,600

💡 Occupation wages here utilize BLS OEWS data, imputed and brought forward by Chmura.

💡 When this report is run for an occupation group, the table above displays up to the top ten detailed occupations which have the highest average wages within the occupation group.
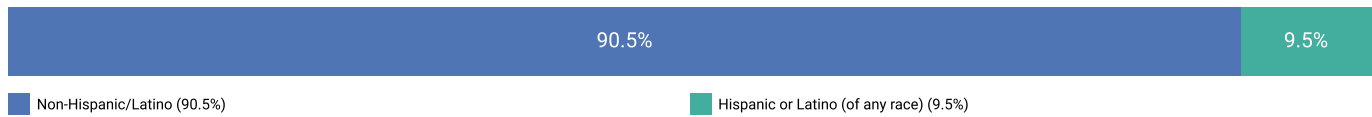
Occupation Demographics

Age

5.7%	15.0%	22.6%	26.5%	21.9%	7.0%

- 16 to 19 years (1.3%)
- 20 to 24 years (5.7%)
- 25 to 34 years (15.0%)
- 35 to 44 years (22.6%)
- 45 to 54 years (26.5%)
- 55 to 64 years (21.9%)
- 65 years and over (7.0%)

Race

82.3%	10.4%	5.9%

- White (82.3%)
- Black (0.5%)
- American Indian (0.3%)
- Asian (10.4%)
- Pacific Islander (0.6%)
- Two or More Races (5.9%)

Ethnicity

90.5%	9.5%

- Non-Hispanic/Latino (90.5%)
- Hispanic or Latino (of any race) (9.5%)

Gender

85.9%	14.1%

- Male (85.9%)
- Female (14.1%)

Education and Training Requirements

100.0%

- Short-term OJT, no exp, no award (0.0%)
- Moderate-term OJT, no exp, no award (0.0%)
- Long-term training, no exp, no award (0.0%)
- Previous work experience, no award (0.0%)
- 2-year degree or certificate (0.0%)
- Bachelor's degree (100.0%)
- Postgraduate degree (0.0%)

Education Profile

Educational Attainment

15.2%	21.6%	13.0%	41.3%	6.5%

- < High School (1.9%)
- High School (15.2%)
- Some College (21.6%)
- Two-Year (13.0%)
- Four-Year (41.3%)
- Master's (6.5%)
- PhD (0.5%)
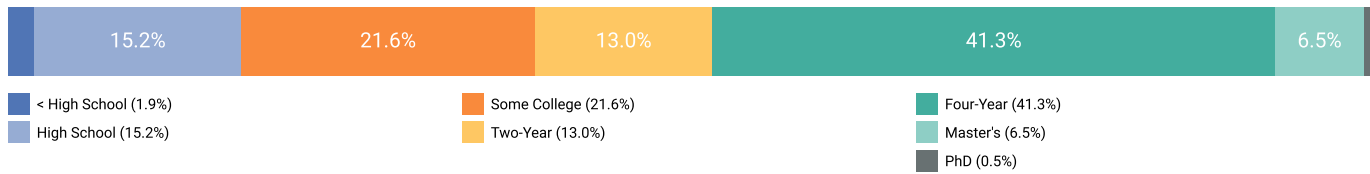
Occupation	Typical Entry-Level Education	Previous Work Experience	Typical On-the-Job Training
Cost Estimators	Bachelor's degree	None	Moderate-term on-the-job training

💡 The stacked bar chart here illustrates the estimated mix of educational attainment of the workers in this occupation(s) in aggregate.

💡 The table indicates typical education and training requirements rather than the mix of attainment of workers in such positions.

Postsecondary Programs Linked to Cost Estimators

| Program	Awards
American River College	
Business Administration and Management, General	294
California State University-Sacramento	
Business Administration and Management, General	1,188
Construction Engineering Technology/Technician	55
Mechanical Engineering	229
Cosumnes River College	
Business Administration and Management, General	224
Folsom Lake College	
Business Administration and Management, General	176
Sacramento City College	
Business Administration and Management, General	207
Sierra College	
Business Administration and Management, General	369
University of California-Davis	
Materials Engineering	53
Mechanical Engineering	274

The number of graduates from postsecondary programs in the region identifies the pipeline of future workers as well as the training capacity to support industry demand.

Among postsecondary programs at schools located in the Sacramento-Roseville-Folsom, CA MSA, the sampling above identifies those most linked to Cost Estimators. For a complete list see JobsEQ®, http://www.chmuraecon.com/jobseq

RTI (Job Postings)

Active Job Ads by Date

■ Jul 4, 2022 to Jun 25, 2023　　　　　　　　　□ Jul 5, 2021 to Jun 26, 2022
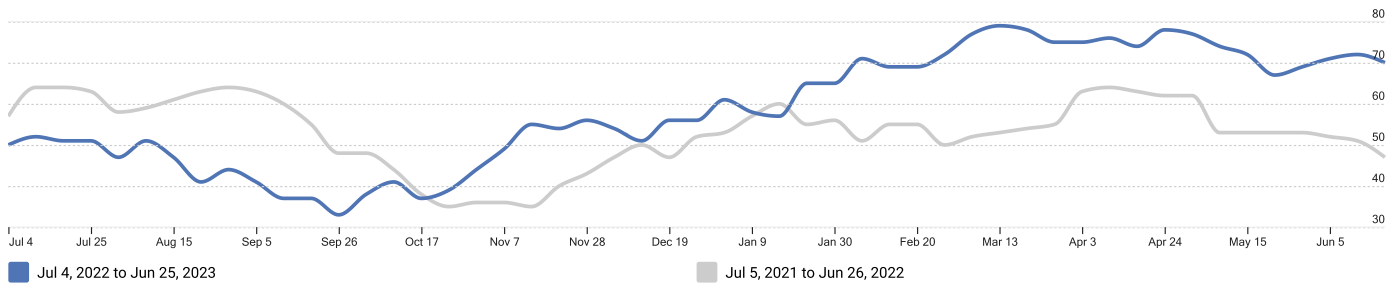
💡 Online job ads are a timely indicator of local demand. Occupation assignments shown below are made by Chmura based upon analysis of job titles and job descriptions. Top employers and listed job requirements are shown on the following pages.

Occupations

SOC	Occupation	Active Job Ads	
13-1051.00	Cost Estimators	325	

Locations

Location	Active Job Ads	
Sacramento, California	108	
Sacramento, CA 95828	11	
West Sacramento, California	9	
Roseville, California	8	
Rancho Cordova, California	6	
Rocklin, CA 95765	5	
Rocklin, California	5	
California, United States, Sacramento, 95811	4	
Folsom, California	4	
Sacramento, CA 95814	4	

Employers

Employer Name	Active Job Ads	
Cybercoders	34	
gpac	21	
Caliber Collision	20	
Jobot	11	
DPR Construction	5	
Flatiron Construction Corp	5	
Service King	5	
347 Group Inc	4	
ELEVATOR CONTROLS CORPORATION	4	
Eleven Western Builders, Inc.	4	

Hard Skills

Skill Name	Active Job Ads	
Microsoft Excel	88	
Estimating Software	76	
Microsoft Office	73	
Microsoft Outlook	34	
Microsoft Project	31	
Commercial Construction	27	
Microsoft Word	26	
On Center On-Screen Takeoff	21	
Xactimate	21	
Autodesk AutoCAD	15	

Job Titles

Job Title	Active Job Ads	
Estimator	35	
Collision Estimator	23	
Senior Estimator	13	
Electrical Estimator	9	
Commercial Construction Estimator	8	
Construction Estimator	8	
Commercial Estimator	7	
Project Estimator	5	
Estimator/Project Manager	4	
Renewable Construction Estimator	4	

Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	116	
High school diploma or equivalent	31	
Associate's degree	3	
Unspecified/other	175	

Programs

Program Name	Active Job Ads	
Construction Management	75	
Engineering	56	
Architecture	22	
Civil Engineering	13	
Construction	7	
Business	5	
Building Construction	3	
Mechanical Engineering	3	
Construction Engineering	2	
Healthcare	2	

Top Skill and Certification Gaps

**Top 10 Skill Gaps in Sacramento-Roseville-Folsom, CA MSA**

Name	Candidates	Openings	Gap
Scheduling Software	0	11	-11
Estimating Software	32	42	-9
Blueprint Reading	0	7	-7
Project Management Software	0	6	-6
Oracle Primavera P6	0	4	-4
Customer Relationship Management (CRM)	0	4	-4
Value Analysis	0	3	-3
Prolog	1	4	-3
Telecommunications	1	4	-3
Autodesk AutoCAD	5	7	-3

Top 10 Certification Gaps in Sacramento-Roseville-Folsom, CA MSA

| Name	Candidates	Openings	Gap
Certified Professional Estimator (CPE)	2	1	1
Registered Communications Distribution Designer (RCDD)	1	0	1
Certified Appraisal Reviewer (CAR)	1	0	1
Institute of Inspection Cleaning and Restoration Certification (IICRC) Certified	2	0	2

Skill and certifications gaps can help inform employee development programs, as well as provide a comparison of the needs of regional employers to the supply.

Geographic Distribution
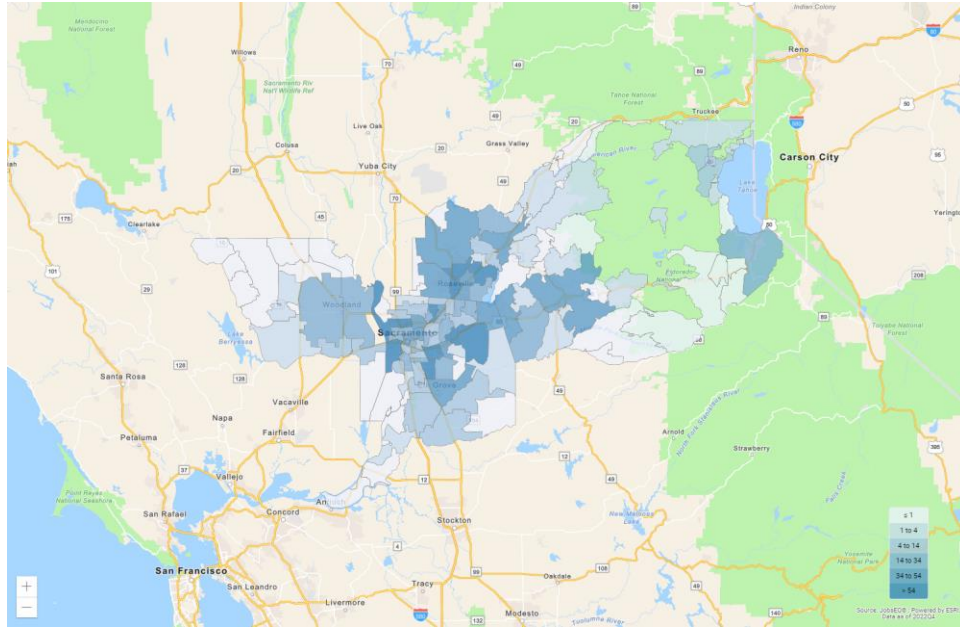
Top ZCTAs by Place of Work for Cost Estimators, 2022Q4

Region	Employment
ZCTA 95742	110
ZCTA 95828	98
ZCTA 95678	92
ZCTA 95826	72
ZCTA 95765	67
ZCTA 95691	62
ZCTA 95670	60
ZCTA 95650	55
ZCTA 95834	55
ZCTA 95660	54
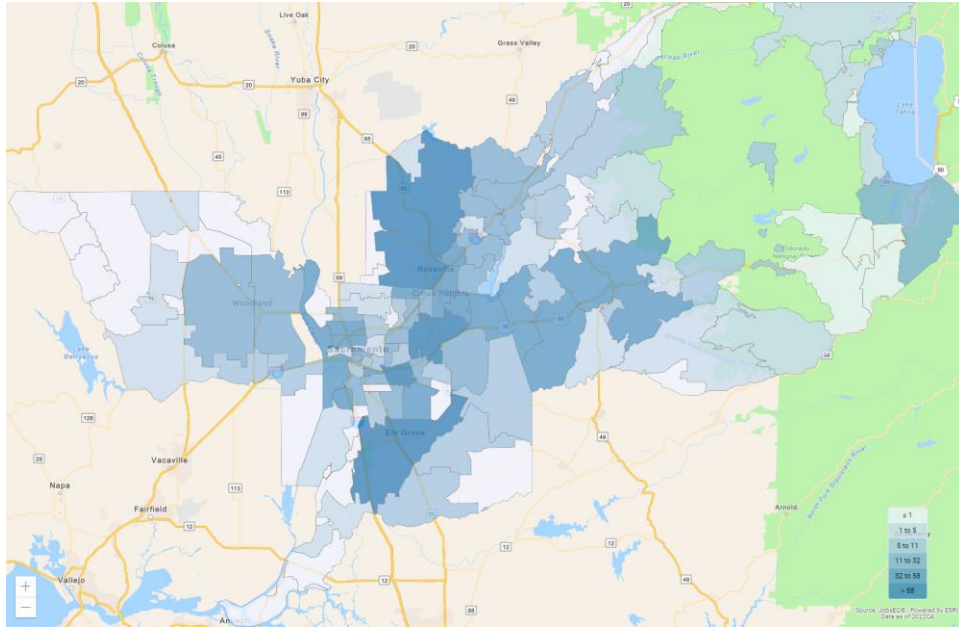
Top ZCTAs by Place of Residence for Cost Estimators, 2022Q4

Region	Employment
ZCTA 95747	124
ZCTA 95678	79
ZCTA 95624	73
ZCTA 95758	71
ZCTA 95765	71
ZCTA 95648	69
ZCTA 95757	64
ZCTA 95608	62
ZCTA 95826	62
ZCTA 95628	59

"Place of work" employment is based upon the location of employers for these workers. "Place of residence" data refers to the home locations of the workforce, which is typically the preferred data set to use when calculating labor availability within a drive-time or radius of a potential worksite.

Sacramento-Roseville-Folsom, CA MSA Regional Map
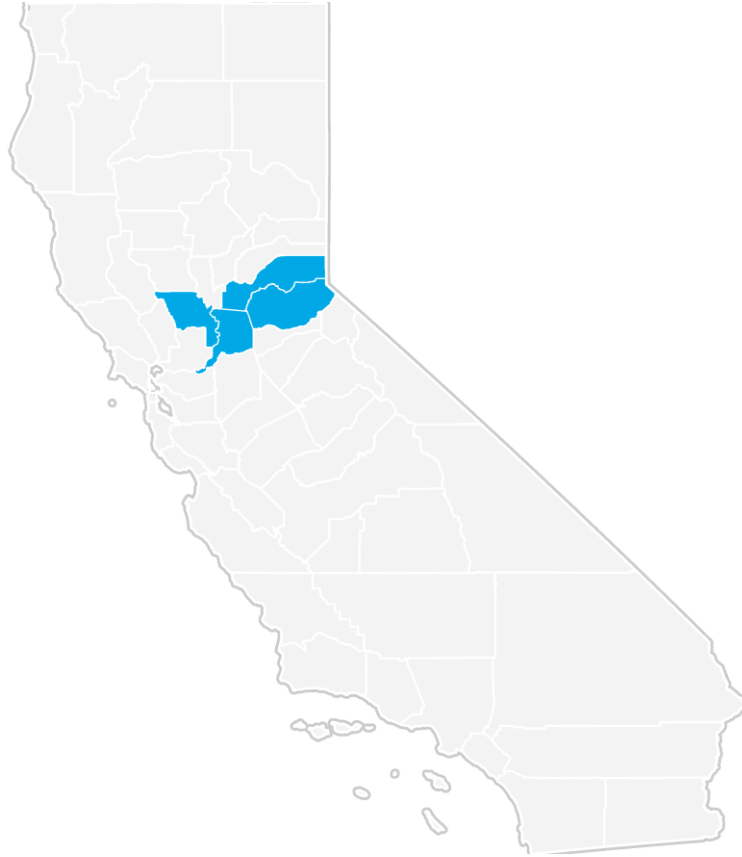
Data Notes

- Occupation employment by default indicates employment by place of work. Occupation employment is as of 2022Q4 and is based on industry employment and local staffing patterns calculated by Chmura and utilizing BLS OEWS data. Employment forecasts are modeled by Chmura and are consistent with BLS national-level 10-year forecasts. Wages by occupation are as of 2022Q4, utilizing BLS OEWS data, imputed and brought forward by Chmura. Entry-level and experienced wages are derived from these source data, computed by Chmura.
- Industry employment is as of 2022Q4 and is based upon BLS QCEW data, imputed by Chmura where necessary, and supplemented by additional sources including Census ZBP data.
- Education and training requirements are from the BLS. Educational attainment mix and other occupation demographics data are modeled by Chmura for 2022Q4 using regional occupation employment from JobsEQ, ZCTA-level demographics data from the Census Bureau, and national occupation-demographics patterns from the BLS.
- Postsecondary awards are per the NCES and are for the 2020-2021 academic year. Any programs shown are linked with the occupation(s) being analyzed via the program-occupation crosswalk, which may not be comprehensive. Any programs shown reflect only data reported to the NCES; reporting is required of all Title IV schools. Training providers that do not report data to the NCES are not reflected.
- Job ads data are online job posts from the Real-Time Intelligence (RTI) data set, produced wholly by Chmura and gleaned from over 40,000 websites. Data reflect ads active during the last twelve month period ending 06/29/2023 and advertised for any Zip Code Tabulation Area in or intersecting with the region for which this report was produced. Historical ad volume is revised as additional data are made available and processed. Since many extraneous factors can affect short-term volume of online job postings, time-series data can be volatile and should be used with caution. All ad counts represent deduplicated figures.
- For skill and certification gaps, openings and candidates are based upon regional occupation demand (growth plus separations) and the percent of skill demand and supply. Skill demand mix data are per a one-year sample of RTI data; skill supply data are estimated using a five-year sample of resumes data; both data sets compiled as of August 2021. Data may be based, at least in part, on data from broader geographies; see the Skill Gaps analytic export for more details.
- Occupation gaps are modeled by Chmura, indicating long-term potential supply and demand mismatches in a region due, in part, to job demand and labor pool dyanamics, including educational attainment and projected growth.
- Occupation employment by place of residence is as of 2022Q4 and modeled by Chmura based upon occuaption employment by place of work and commuting patterns. Commuting patterns are derived from source data from the Census Bureau, occupation-specific commuting tendancies, and updated to reflect more recent population and employment estimates.
- Figures may not sum due to rounding.

Region Definition

Sacramento-Roseville-Folsom, CA MSA is defined as the following counties:

El Dorado County, California

Sacramento County, California

Placer County, California

Yolo County, California

FAQ

What is (LQ) location quotient?

Location quotient is a measurement of concentration in comparison to the nation. An LQ of 1.00 indicates a region has the same concentration of an industry (or occupation) as the nation. An LQ of 2.00 would mean the region has twice the expected employment compared to the nation and an LQ of 0.50 would mean the region has half the expected employment in comparison to the nation.

What is annual demand?

Annual demand is a of the sum of the annual projected growth demand and separation demand. Separation demand is the number of jobs required due to separations—labor force exits (including retirements) and turnover resulting from workers moving from one occupation into another. Note that separation demand does not include all turnover—it does not include when workers stay in the same occupation but switch employers. Growth demand is the increase or decrease of jobs expected due to expansion or contraction of the overall number of jobs.