



Occupation Report

Management Analysts

Sacramento-Roseville-Folsom, CA MSA



Occupation Snapshot 3

Employment by Industry 4

Wages 5

Occupation Demographics 6

Education Profile 7

Postsecondary Programs Linked to Management Analysts..... 8

RTI (Job Postings) 9

Top Skill and Certification Gaps 13

Occupation Gaps 14

Geographic Distribution 15

Sacramento-Roseville-Folsom, CA MSA Regional Map..... 17

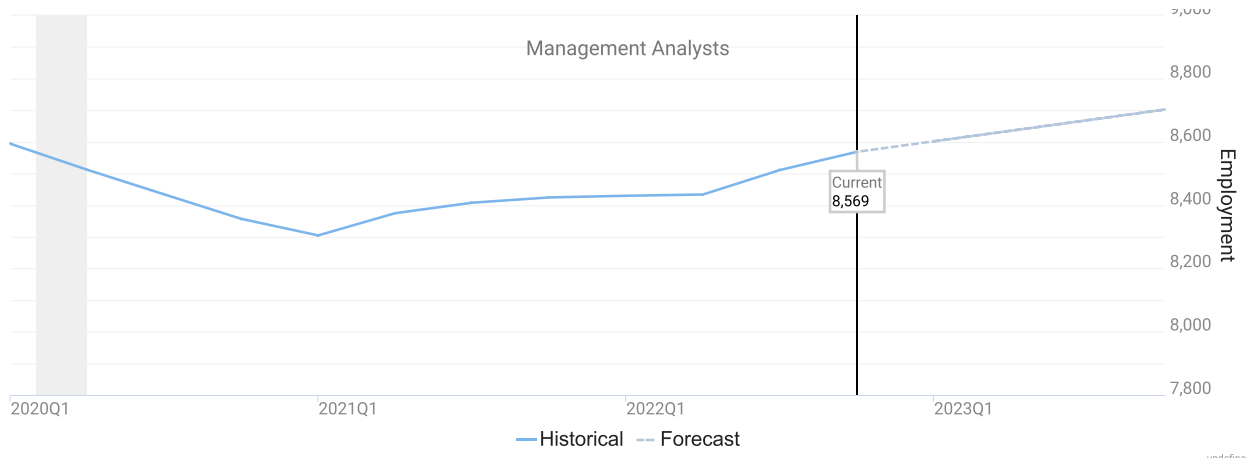
Data Notes..... 18

Region Definition..... 19

FAQ..... 20

Occupation Snapshot



6-Digit Occupation	Empl	Avg Mean Wages	LQ	3-Year Empl Change	Annual Demand	Forecast Ann Growth
Management Analysts	8,569	\$85,700	1.28	-7	957	1.6%
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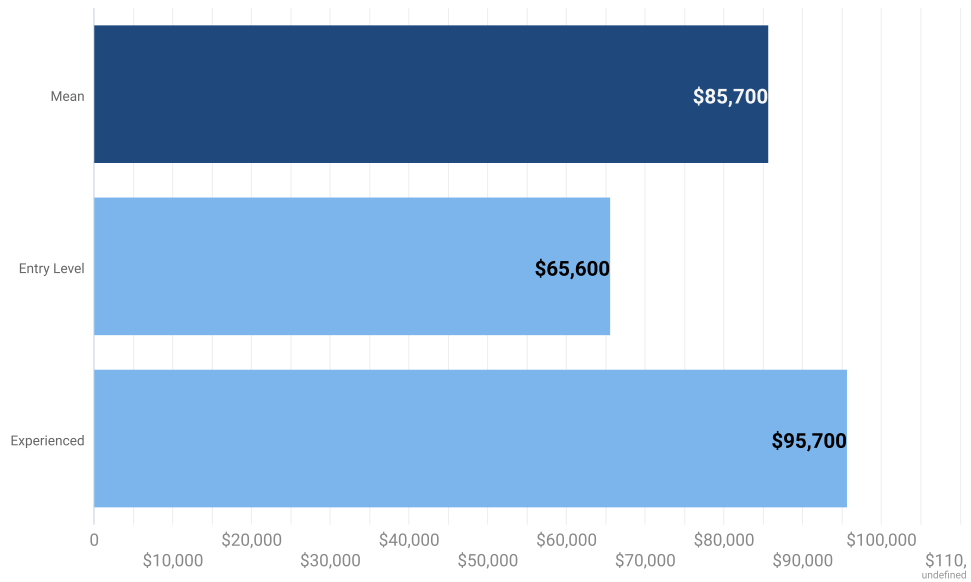
- 💡 “Annual Demand” is the projected need for new entrants into an occupation. New entrants are needed due to expected growth and to replace workers who left the occupation due to factors such as retirement or switching careers.
- 💡 “Forecast Ann Growth” is the expected change in jobs due to national, 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
Management, Scientific, and Technical Consulting Services	27.7%	2,371	2,349	467	2,817
Executive, Legislative, and Other General Government Support	11.2%	960	946	176	1,122
Administration of Human Resource Programs	6.6%	564	555	104	659
Administration of Environmental Quality Programs	6.0%	516	509	97	606
Administration of Economic Programs	5.7%	487	481	92	573
Justice, Public Order, and Safety Activities	5.4%	467	460	85	545
Accounting, Tax Preparation, Bookkeeping, and Payroll Services	4.1%	353	334	31	365
Insurance Carriers	3.9%	335	319	35	354
Computer Systems Design and Related Services	3.2%	275	274	58	332
Management of Companies and Enterprises	3.0%	260	246	22	268
Employment Services	1.8%	151	143	14	157
Agencies, Brokerages, and Other Insurance Related Activities	1.7%	142	137	20	156
Colleges, Universities, and Professional Schools	1.4%	123	119	15	134
General Medical and Surgical Hospitals	1.4%	118	111	8	119
Depository Credit Intermediation	1.1%	91	88	13	101
Natural Gas Distribution	1.0%	86	79	3	83
Architectural, Engineering, and Related Services	0.9%	74	69	4	73
Office Administrative Services	0.9%	74	75	21	96
Outpatient Care Centers	0.8%	69	69	15	83
Other Professional, Scientific, and Technical Services	0.8%	68	69	16	85
All Others	11.5%	986	951	135	1,086

-  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

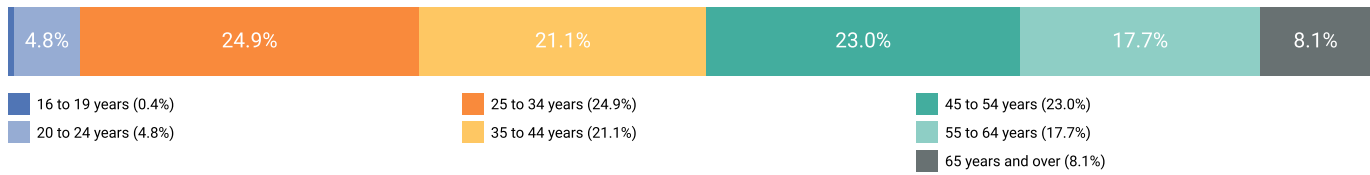


Occupation	Mean	Median	Entry Level	Experienced
Management Analysts	\$85,700	\$83,900	\$65,600	\$95,700

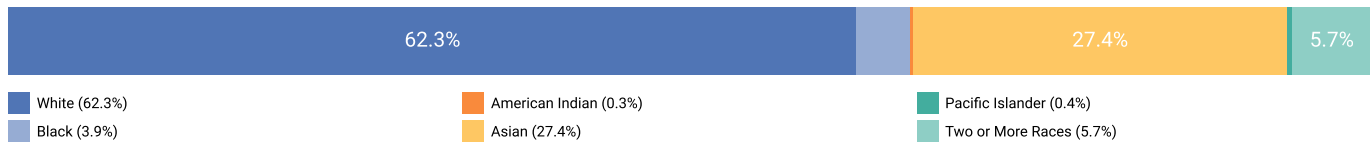
- 💡 Occupation wages here utilize BLS OEWS data, imputed and brought forward by Chmura.
- 💡 When this report is run for an occupation group, the table above displays up to the top ten detailed occupations which have the highest average wages within the occupation group.

Occupation Demographics

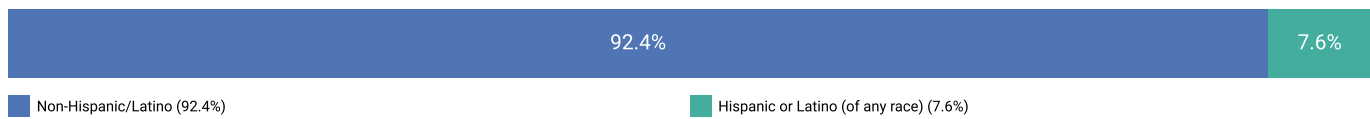
Age



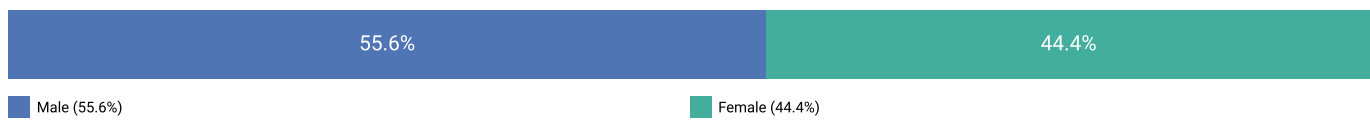
Race



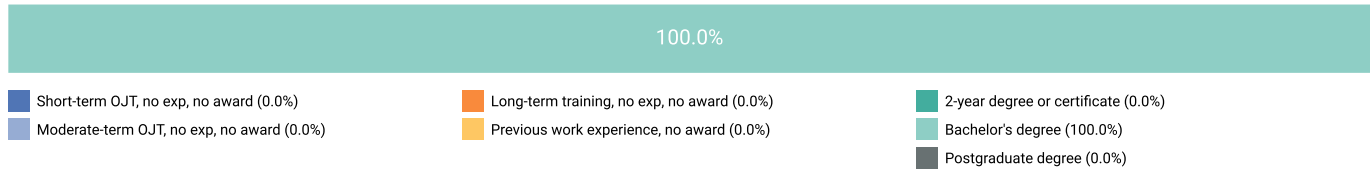
Ethnicity



Gender

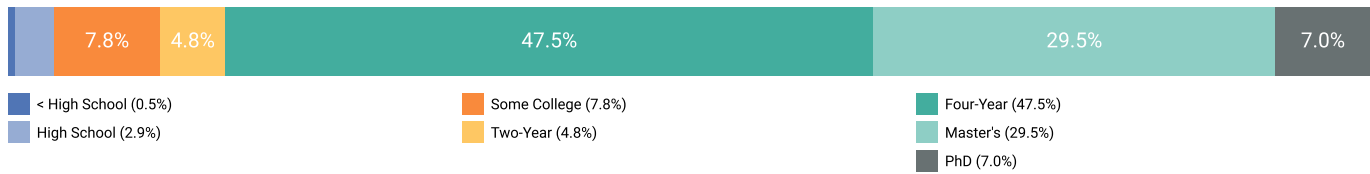


Education and Training Requirements



Education Profile

Educational Attainment



Occupation	Typical Entry-Level Education	Previous Work Experience	Typical On-the-Job Training
Management Analysts	Bachelor's degree	Less than 5 years	None


 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 Management Analysts

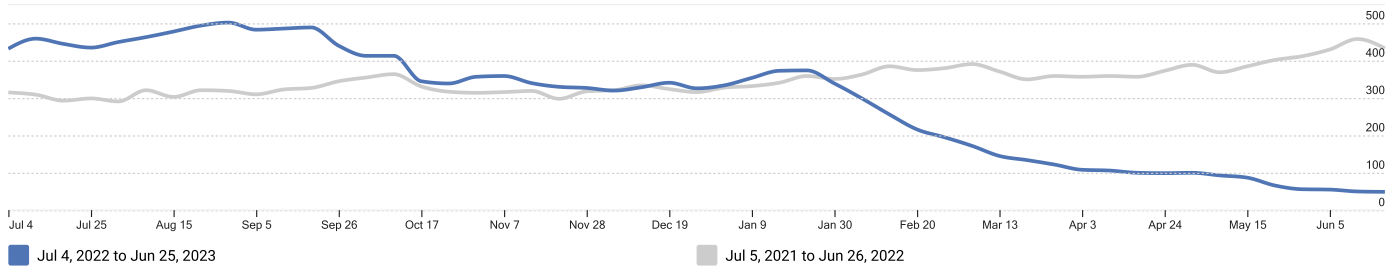
Program	Awards
American River College	
Business Administration and Management, General	294
California State University-Sacramento	
Business Administration and Management, General	1,188
Cosumnes River College	
Business Administration and Management, General	224
Folsom Lake College	
Business Administration and Management, General	176
Sacramento City College	
Business Administration and Management, General	207
Sierra College	
Business Administration and Management, General	369
Business/Commerce, General	75
University of California-Davis	
Management Science	120
William Jessup University	
Business Administration and Management, General	139
Organizational Leadership	23


 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 Management Analysts. For a complete list see JobsEQ®, <http://www.chmuraecon.com/jobseq>

RTI (Job Postings)

Active Job Ads by Date



 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
13-1111.00	Management Analysts	1,878

Locations

Location	Active Job Ads	
Sacramento, California	652	
University of California Davis	126	
Folsom, California	74	
Sacramento, CA 94203	54	
Rancho Cordova, California	52	
El Dorado Hills, California	48	
Sacramento, CA 95814 (Downtown area)	48	
Roseville, California	39	
Sacramento, CA 95814 (Downtown area)	30	
Sacramento County, California	25	



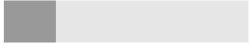
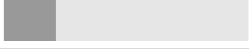



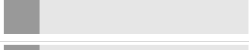
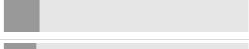
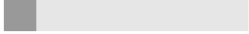
Employers

Employer Name	Active Job Ads	
Deloitte	234	
Sacramento, California	76	
Davis, California	48	
Cynet Systems	36	
Guidehouse	35	
Experis	32	
Operations	24	
KPMG	20	
PricewaterhouseCoopers	20	
UC Davis Health	20	

Hard Skills

Skill Name	Active Job Ads	
Microsoft Excel	573	
Microsoft PowerPoint	356	
Microsoft Office	306	
Agile	226	
Change Management	216	
Presentation	202	
Structured Query Language (SQL)	183	
Data Analysis	170	
JavaScript	152	
Microsoft Visio	151	

Job Titles

Job Title	Active Job Ads	
Business Analyst	75	
Business Solutions Analyst	19	
Business Analyst Senior	16	
Healthcare IT Modernization Strategist, Managing Consultant	16	
Senior Business Analyst	15	
Business Analyst, Experienced	14	
Senior PM, Behavior Data & Product Analytics	12	
Entry Level Business Analyst	11	
IT Business Analyst	11	
ASSOCIATE BUSINESS MANAGEMENT ANALYST	10	

Education Levels

Minimum Education Level	Active Job Ads	
Bachelor's degree	1,135	
High school diploma or equivalent	81	
Master's degree	79	
Associate's degree	32	
Doctoral or professional degree	6	
Unspecified/other	545	

Programs

Program Name	Active Job Ads	
Business	193	
Business Administration	174	
Computer Science	157	
Finance	120	
Accounting	106	
Economics	85	
Engineering	81	
Information Technology	58	
Information Systems	52	
Management Information Systems	47	

Top Skill and Certification Gaps

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

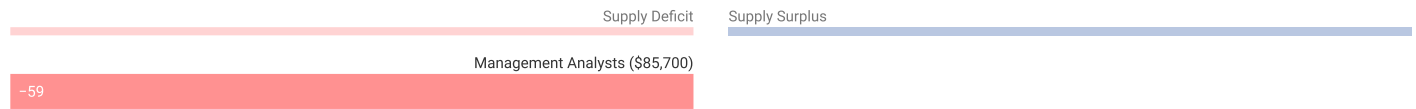
Name	Candidates	Openings	Gap
Word Processing	9	31	-21
Information Security	8	27	-18
Microsoft Excel	266	283	-17
Personal Computers (PC)	20	36	-15
Microsoft Visio	57	72	-15
Microsoft Access	32	45	-14
Data Analysis	97	110	-13
Field Programmable Gate Array (FPGA)	1	13	-13
Keyboarding/Typing	3	15	-13
Graphics Software	2	14	-13



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

Name	Candidates	Openings	Gap
Certified Financial Planner (CFP)	0	3	-3
Series 65	0	3	-3
Series 63	1	4	-3
Registered Health Information Administrator (RHIA)	0	3	-3
Chartered Financial Analyst (CFA)	0	3	-3
Certification of Competency in Business Analysis (CCBA)	0	2	-2
Certified Internal Auditor (CIA)	0	2	-2
Certified Pharmacy Technician (CPT)	0	2	-2
Certified Associate in Project Management (CAPM)	2	3	-2
Certified in Health Care Compliance (CHC)	0	2	-2

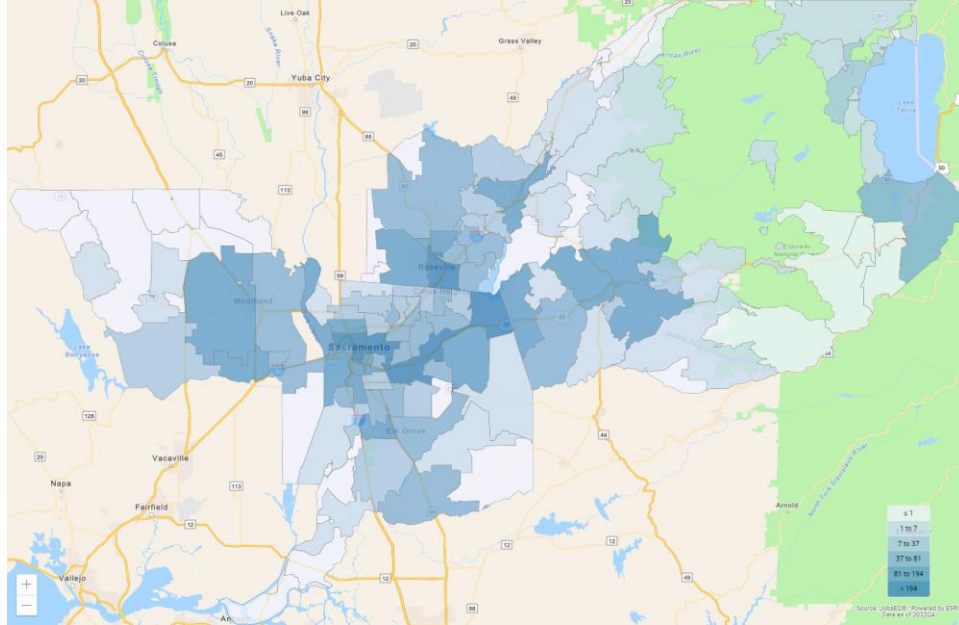
 Skill and certifications gaps can help inform employee development programs, as well as provide a comparison of the needs of regional employers to the supply.

Occupation Gaps



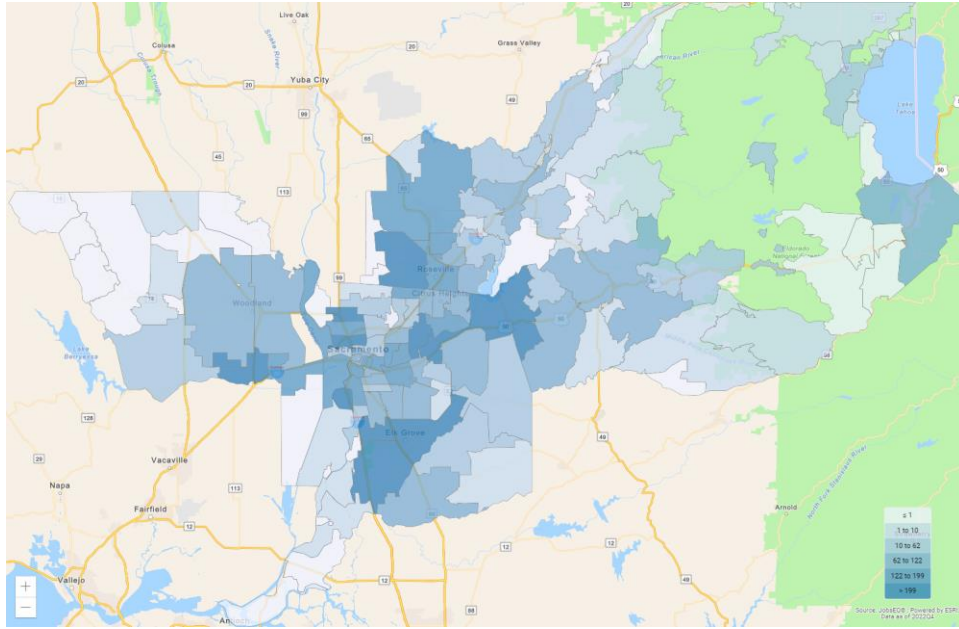
-  The above are the potential average annual gaps over 10 years. Many variables go into this analysis, but at its core it is based on a forecast comparing occupation demand growth to the local population growth and the projected educational attainment of those residents. When an area, for example, has an occupation expected to grow quickly but the educational requirement for the occupation does not match well with the educational attainment of its residents, there is a high potential for an occupation shortfall in the region. Alternatively, slow-growing or contracting occupations often represent potential supply surpluses.
-  The potential supply shortfall is an underlying force that the market needs to resolve one way or another, such as by employers recruiting from further distances for these occupations, wages going up to attract more candidates, and/or increased demand and wages enticing more local residents to get training for these occupations. While this an important analysis for determining local occupation needs, the occupation gap should be considered along with other regional data including growth and separation forecasts, unemployment rates, wage trends, and award and skill gap analyses.

Geographic Distribution



Top ZCTAs by Place of Work for Management Analysts, 2022Q4

Region	Employment
ZCTA 95814	1,758
ZCTA 95670	691
ZCTA 95630	631
ZCTA 95811	364
ZCTA 95827	274
ZCTA 95825	243
ZCTA 95661	236
ZCTA 95833	231
ZCTA 95678	199
ZCTA 95826	199

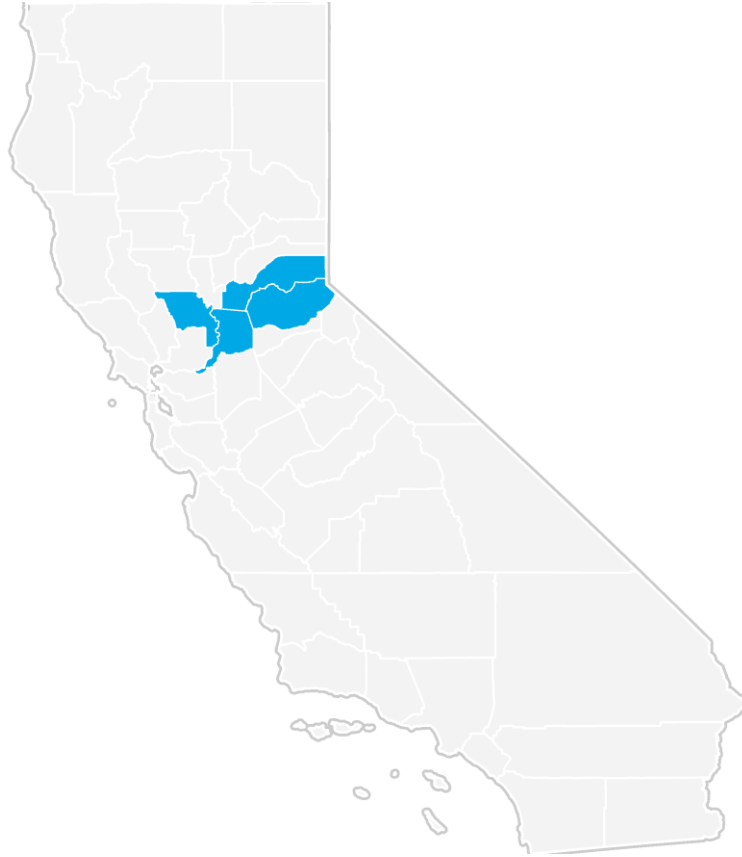


Top ZCTAs by Place of Residence for Management Analysts, 2022Q4

Region	Employment
ZCTA 95630	493
ZCTA 95616	283
ZCTA 95758	272
ZCTA 95747	266
ZCTA 95670	256
ZCTA 95835	247
ZCTA 95831	247
ZCTA 95608	240
ZCTA 95624	240
ZCTA 95762	216

💡 “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 dynamics, including educational attainment and projected growth.
- Occupation employment by place of residence is as of 2022Q4 and modeled by Chmura based upon occupation employment by place of work and commuting patterns. Commuting patterns are derived from source data from the Census Bureau, occupation-specific commuting tendencies, 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

Placer County, California

Sacramento 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.