5 Occupations
in San Diego-Chula Vista-Carlsbad, CA

Contents

What is Lightcast Data?

Lightcast data is a hybrid dataset derived from official government sources such as the US Census Bureau, Bureau of Economic Analysis, and Bureau of Labor Statistics. Leveraging the unique strengths of each source, our data modeling team creates an authoritative dataset that captures more than 99% of all workers in the United States. This core offering is then enriched with data from online social profiles, resumés, and job postings to give you a complete view of the workforce.

Lightcast data is frequently cited in major publications such as *The Atlantic*, *Forbes*, *Harvard Business Review*, *The New York Times*, *The Wall Street Journal*, and *USA Today*.

Report Parameters

5 Occupations

15-2021	Mathematicians		15-2041	Statisticians
15-2051	Data Scientists		43-9111	Statistical Assistants
15-2099	Mathematical Science Occupations, All Other			

1 MSA

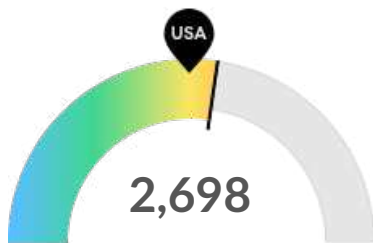|	
41740	San Diego-Chula Vista-Carlsbad, CA

Class of Worker

QCEW Employees

The information in this report pertains to the chosen occupations and geographical area.
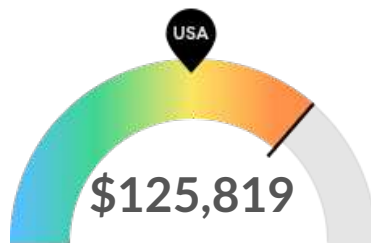
Executive Summary

Average Job Posting Demand Over a Deep Supply of Regional Jobs

2,698

Jobs (2023)

San Diego-Chula Vista-Carlsbad, CA is a hotspot for this kind of job. The national average for an area this size is 2,366* employees, while there are 2,698 here.

$125,819

Compensation

Earnings are high in San Diego-Chula Vista-Carlsbad, CA. The national median salary for your occupations is $104,577, compared to $125,819 here.

220

Job Posting Demand

Job posting activity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 218* job postings/mo, while there are 220 here.

*National average values are derived by taking the national value for your occupations and scaling it down to account for the difference in overall workforce size between the nation and San Diego-Chula Vista-Carlsbad, CA. In other words, the values represent the national average adjusted for region size.

Jobs

## Regional Employment Is Higher Than the National Average

An average area of this size typically has 2,366* jobs, while there are 2,698 here. This higher than average supply of jobs may make it easier for workers in this field to find employment in your area.
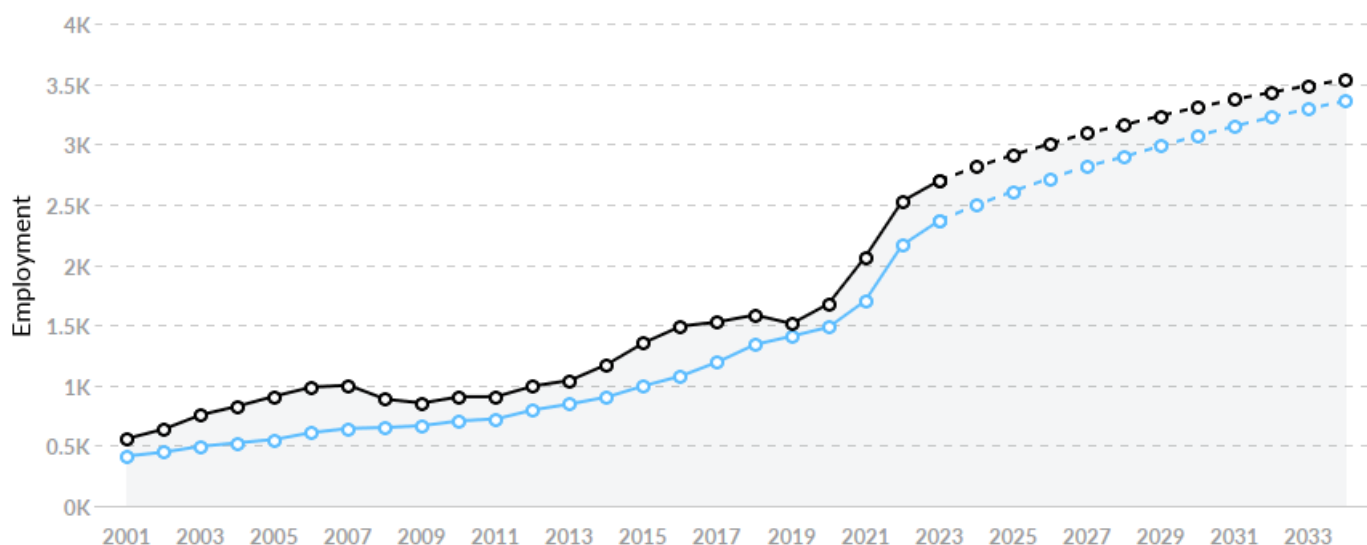
	Region	2023 Jobs	2024 Jobs	Change	% Change
●	San Diego-Chula Vista-Carlsbad, CA	2,698	2,811	113	4.2%
●	National Average	2,366	2,494	128	5.4%

*National average values are derived by taking the national value for your occupations and scaling it down to account for the difference in overall workforce size between the nation and San Diego-Chula Vista-Carlsbad, CA. In other words, the values represent the national average adjusted for region size.

Regional Breakdown
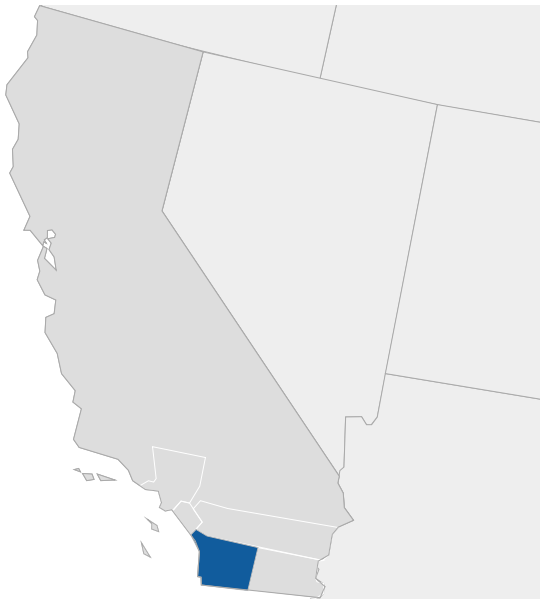
County	2023 Jobs
San Diego County, CA	2,698

Most Jobs are Found in the Scientific Research and Development Services Industry Sector

Industry	% of Occupation in Industry (2023)
● Scientific Research and Development Services	22.5%
● Computer Systems Design and Related Services	8.7%
● Management, Scientific, and Technical Consulting Services	7.3%
● Management of Companies and Enterprises	6.7%
● Federal Government, Civilian	4.3%
● Employment Services	3.3%
● Other	47.2%

Compensation

Regional Compensation Is 20% Higher Than National Compensation

For your occupations, the 2023 median wage in San Diego-Chula Vista-Carlsbad, CA is $125,819, while the national median wage is $104,577.
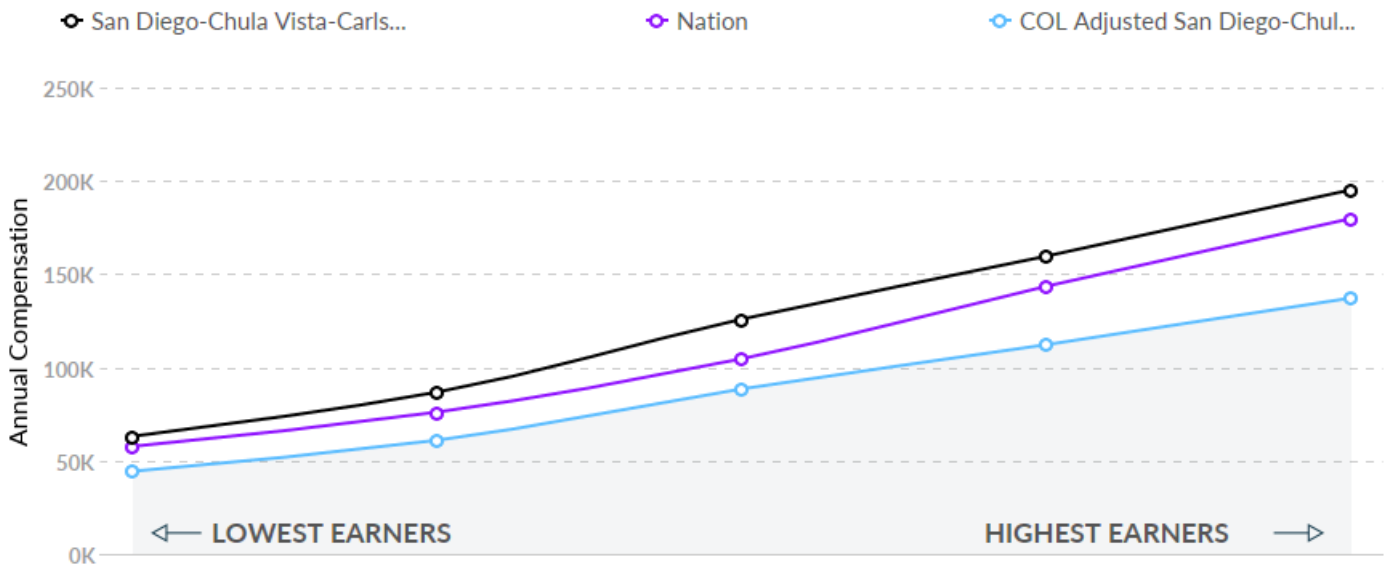
Job Posting Activity

3,967 Unique Job Postings

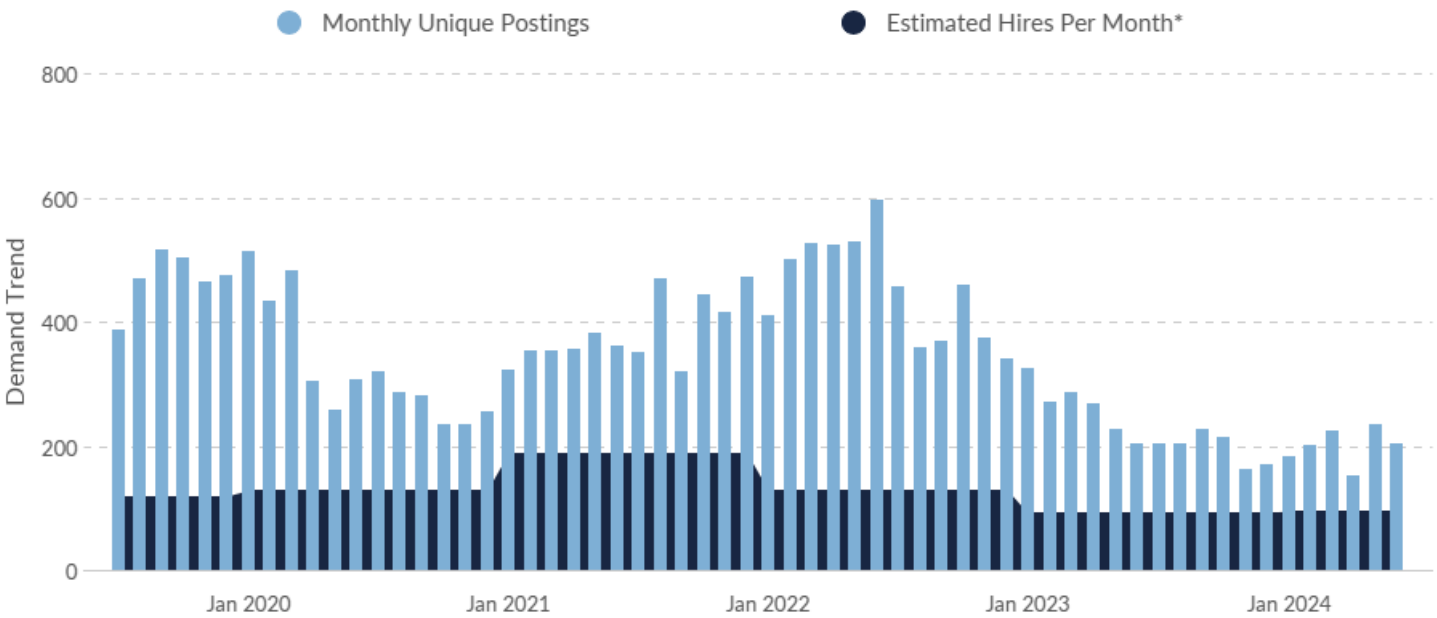The number of unique postings for this job from Jan 2023 to Jun 2024.

1,237 Employers Competing

All employers in the region who posted for this job from Jan 2023 to Jun 2024.

27 Day Median Duration

Posting duration is 1 day shorter than what's typical in the region.

Occupation	Avg Monthly Postings (Jan 2023 - Jun 2024)	Avg Monthly Hires (Jan 2023 - Jun 2024)
Data Scientists	205	78
Statisticians	15	11
Mathematicians	0	1
Statistical Assistants	0	2

*A hire is reported by the Quarterly Workforce Indicators when an individual's Social Security Number appears on a company's payroll and was not there the quarter before. Lightcast hires are calculated using a combination of Lightcast jobs data, information on separation rates from the Bureau of Labor Statistics (BLS), and industry-based hires data from the Census Bureau.

Lightcast

Top Companies	Unique Postings		Top Job Titles	Unique Postings	
University of California	182	▬▬▬	Data Analysts	331	▬▬▬
Deloitte	112	▬▬	Data Scientists	327	▬▬▬
Leidos	91	▬	Machine Learning Engineers	149	▬
UnitedHealth Group	87	▬	Business Intelligence Analysts	76	▪
Accenture	86	▬	Research Data Analysts	64	▪
Qualcomm	84	▬	Data Science Managers	51	▪
Apple	77	▬	Data Science Interns	48	▪
Booz Allen Hamilton	49	▪	Directors of Biostatistics	48	▪
Randstad	49	▪	Machine Learning Software Engi...	47	▪
Intuit	46	▪	Machine Learning Scientists	39	▪

Top Distinguishing Skills by Demand

Not enough data to display Distinguishing Skills for this occupation.
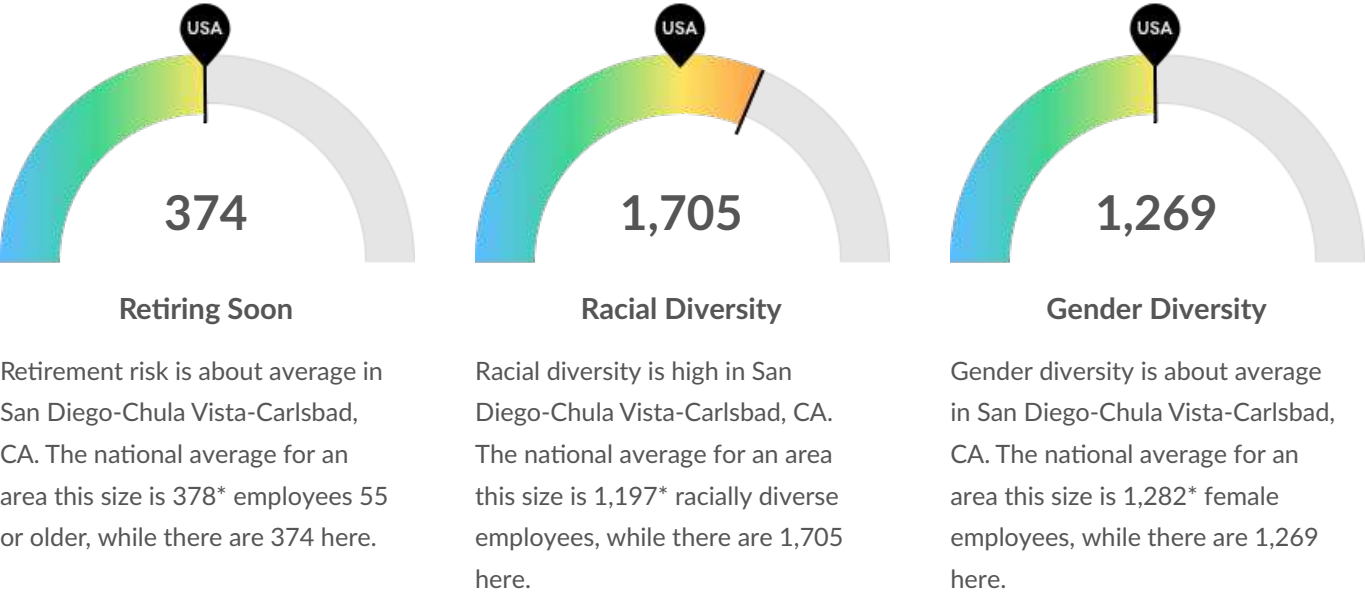
Top Defining Skills by Demand

Not enough data to display Defining Skills for this occupation.

Top Necessary Skills by Demand

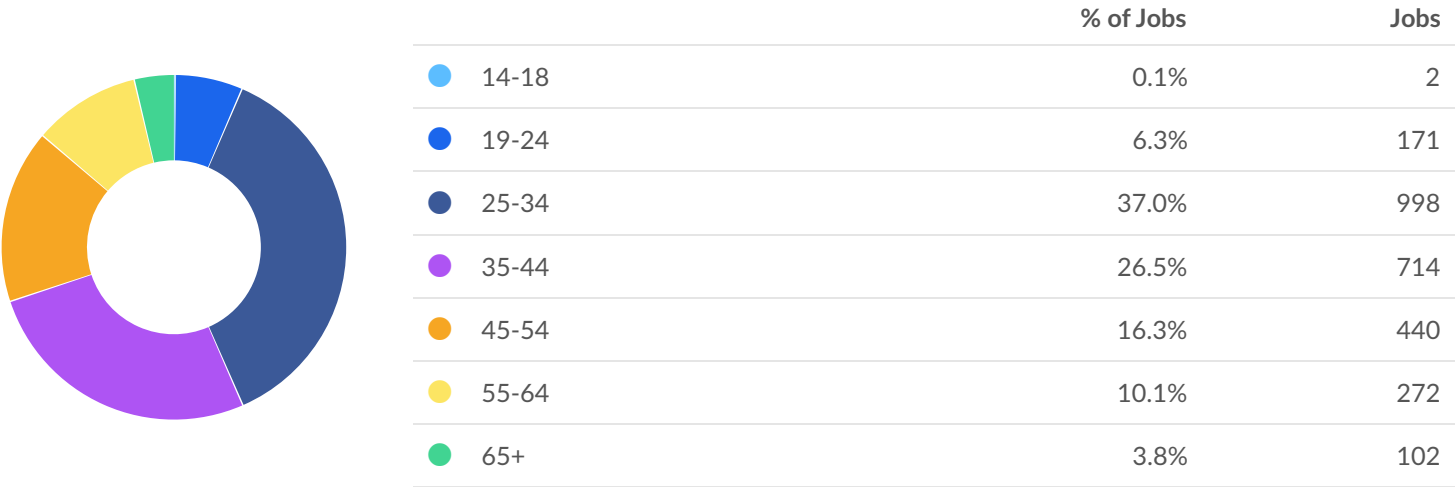Not enough data to display Necessary Skills for this occupation.

Demographics

Retirement Risk Is About Average, While Overall Diversity Is High

374

Retiring Soon

Retirement risk is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 378* employees 55 or older, while there are 374 here.

1,705

Racial Diversity

Racial diversity is high in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 1,197* racially diverse employees, while there are 1,705 here.

1,269

Gender Diversity

Gender diversity is about average in San Diego-Chula Vista-Carlsbad, CA. The national average for an area this size is 1,282* female employees, while there are 1,269 here.
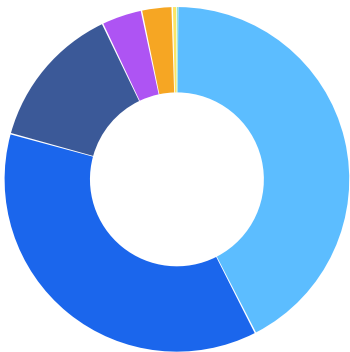
*National average values are derived by taking the national value for your occupations and scaling it down to account for the difference in overall workforce size between the nation and San Diego-Chula Vista-Carlsbad, CA. In other words, the values represent the national average adjusted for region size.

Occupation Age Breakdown

	% of Jobs	Jobs
14-18	0.1%	2
19-24	6.3%	171
25-34	37.0%	998
35-44	26.5%	714
45-54	16.3%	440
55-64	10.1%	272
65+	3.8%	102

Occupation Race/Ethnicity Breakdown

	% of Jobs	Jobs
● Asian	42.4%	1,144
● White	36.8%	993
● Hispanic or Latino	13.6%	368
● Two or More Races	3.8%	102
● Black or African American	2.9%	77
● Native Hawaiian or Other Pacific Islander	0.4%	12
● American Indian or Alaska Native	0.1%	2

Occupation Gender Breakdown
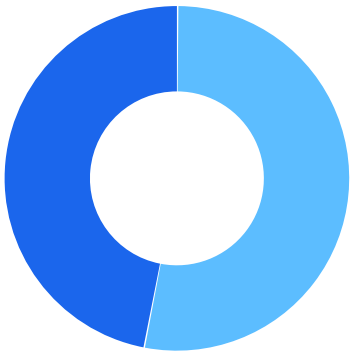
	% of Jobs	Jobs
● Males	53.0%	1,429
● Females	47.0%	1,269

Occupational Programs

31 Programs

Of the programs that can train for this job, 31 have produced completions in the last 5 years.

8,401 Completions (2023)

The completions from all regional institutions for all degree types.

273 Openings (2023)

The average number of openings for an occupation in the region is 257.

CIP Code	Top Programs	Completions (2023)	
11.0701	Computer Science	1,867	
26.0101	Biology/Biological Sciences, General	1,509	
51.0701	Health/Health Care Administration/Management	665	
51.2201	Public Health, General	595	
27.0101	Mathematics, General	482	
52.0301	Accounting	474	
11.1003	Computer and Information Systems Security/Auditing/Infor...	391	
45.0603	Econometrics and Quantitative Economics	363	
52.1399	Management Sciences and Quantitative Methods, Other	356	
52.0302	Accounting Technology/Technician and Bookkeeping	316	

Top Schools	Completions (2023)	
University of California-San Diego	3,231	▰▰▰
San Diego State University	1,061	▰
Ashford University	975	▰
California State University-San Marcos	527	▪
University of San Diego	488	▪
National University	419	▪
Grossmont College	253	▎
Palomar College	205	▎
San Diego Mesa College	199	▎
MiraCosta College	189	▎

Appendix A - Data Sources and Calculations

Location Quotient

Location quotient (LQ) is a way of quantifying how concentrated a particular industry, cluster, occupation, or demographic group is in a region as compared to the nation. It can reveal what makes a particular region unique in comparison to the national average.

Occupation Data

Emsi occupation employment data are based on final Emsi industry data and final Emsi staffing patterns. Wage estimates are based on Occupational Employment Statistics (QCEW and Non-QCEW Employees classes of worker) and the American Community Survey (Self-Employed and Extended Proprietors). Occupational wage estimates are also affected by county-level Emsi earnings by industry.

Staffing Patterns Data

The staffing pattern data in this report are compiled from several sources using a specialized process. For QCEW and Non-QCEW Employees classes of worker, sources include Occupational Employment Statistics, the National Industry-Occupation Employment Matrix, and the American Community Survey. For the Self-Employed and Extended Proprietors classes of worker, the primary source is the American Community Survey, with a small amount of information from Occupational Employment Statistics.

Cost of Living Data

Lightcast's cost of living data is based on the Cost of Living Index published by the Council for Community and Economic Research (C2ER).

Lightcast Job Postings

Job postings are collected from various sources and processed/enriched to provide information such as standardized company name, occupation, skills, and geography.

Institution Data

The institution data in this report is taken directly from the national IPEDS database published by the U.S. Department of Education's National Center for Education Statistics.