



15.1302
in Region

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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, resums, 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

1 Occupation

17-3011 Architectural and Civil Drafters

4 Counties

4003 Cochise County, AZ

4009 Graham County, AZ

4019 Pima County, AZ

4023 Santa Cruz County, AZ

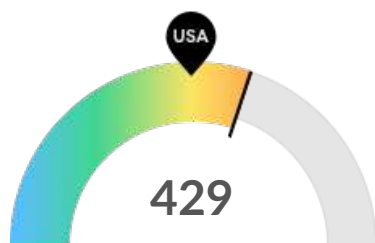
Class of Worker

QCEW Employees and Non-QCEW Employees

The information in this report pertains to the chosen occupation and geographical areas.

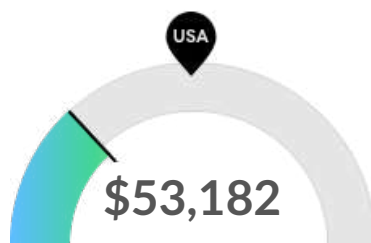
Executive Summary

Average Job Posting Demand Over a Deep Supply of Regional Jobs



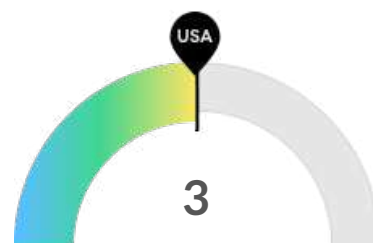
Jobs (2023)

Your area is a hotspot for this kind of job. The national average for an area this size is 322* employees, while there are 429 here.



Compensation

Earnings are low in your area. The national median salary for Architectural and Civil Drafters is \$59,821, compared to \$53,182 here.



Job Posting Demand

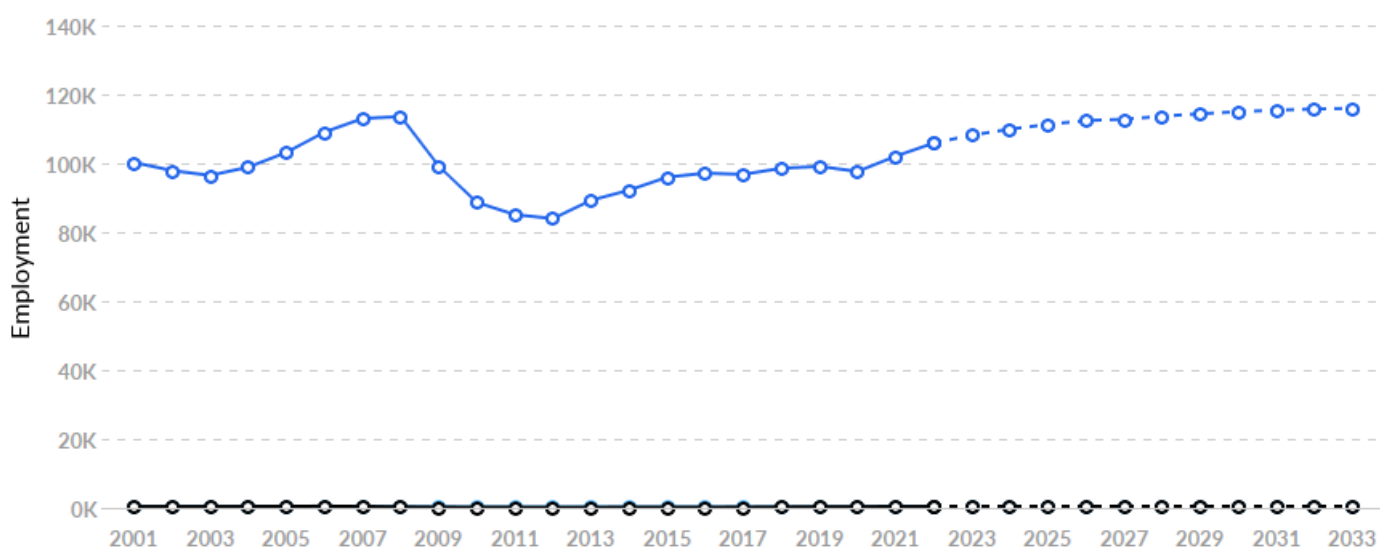
Job posting activity is about average in your area. The national average for an area this size is 3* job postings/mo, while there are 3 here.

*National average values are derived by taking the national value for Architectural and Civil Drafters and scaling it down to account for the difference in overall workforce size between the nation and your area. In other words, the values represent the national average adjusted for region size.

Jobs

Regional Employment Is Higher Than the National Average

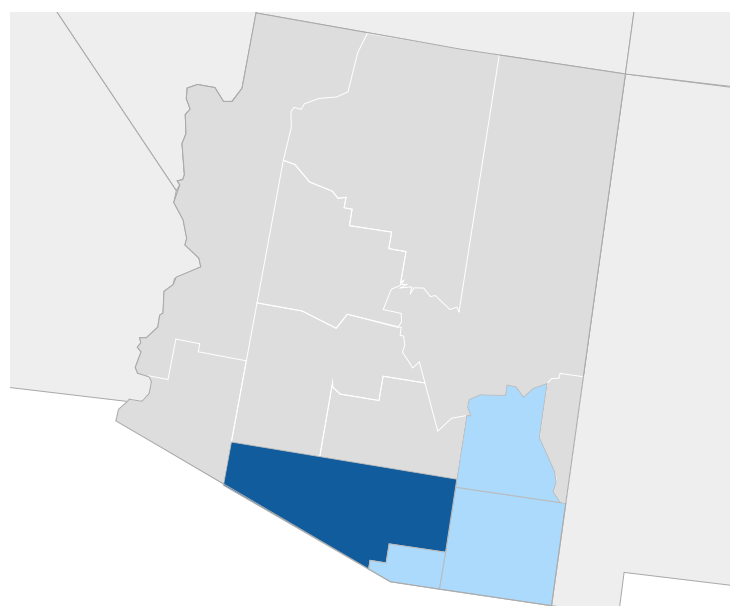
An average area of this size typically has 322* jobs, while there are 429 here. This higher than average supply of jobs may make it easier for workers in this field to find employment in your area.



	Region	2023 Jobs	2033 Jobs	Change	% Change
●	Region	429	468	39	9.1%
●	National Average	322	338	16	5.0%
●	United States	108,156	115,955	7,799	7.2%

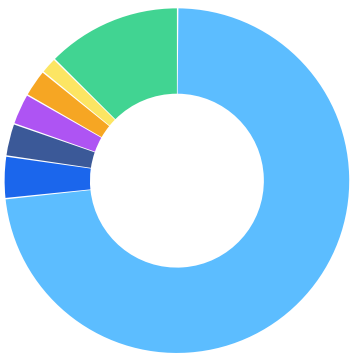
*National average values are derived by taking the national value for Architectural and Civil Drafters and scaling it down to account for the difference in overall workforce size between the nation and your area. In other words, the values represent the national average adjusted for region size.

Regional Breakdown



County	2023 Jobs
Pima County, AZ	370
Cochise County, AZ	36
Graham County, AZ	17
Santa Cruz County, AZ	<10

Most Jobs are Found in the Architectural, Engineering, and Related Services Industry Sector

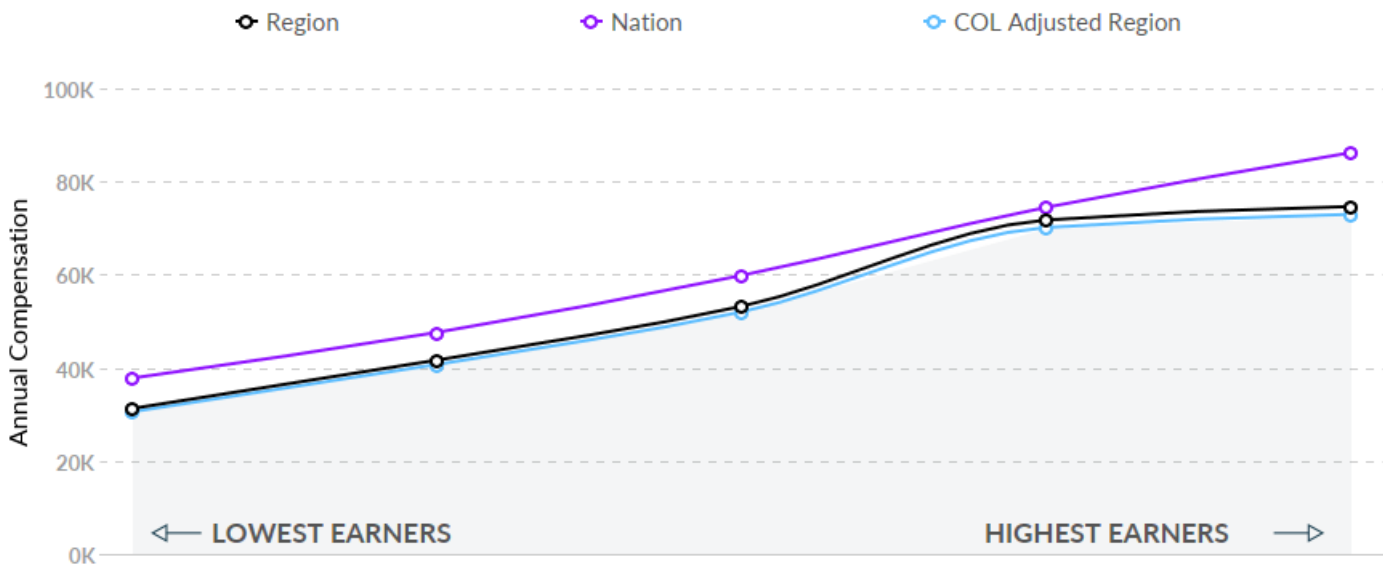


Industry	% of Occupation in Industry (2023)
Architectural, Engineering, and Related Services	73.3%
Veneer, Plywood, and Engineered Wood Product Manufacturing	4.0%
Building Equipment Contractors	3.1%
Architectural and Structural Metals Manufacturing	2.9%
Residential Building Construction	2.6%
Nonresidential Building Construction	1.6%
Other	12.6%

Compensation

Regional Compensation Is 11% Lower Than National Compensation

For Architectural and Civil Drafters, the 2022 median wage in your area is \$53,182, while the national median wage is \$59,821.



Job Posting Activity



25 Unique Job Postings

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



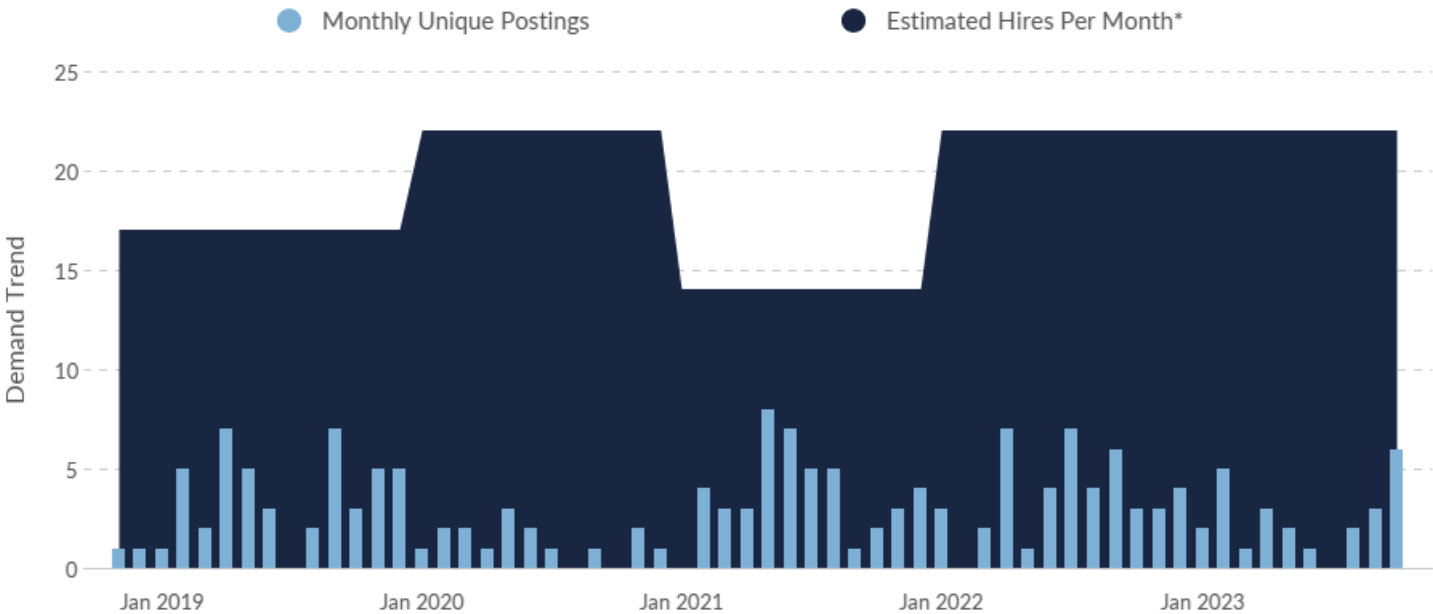
15 Employers Competing

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












22 Day Median Duration











Posting duration is 7 days shorter than what's typical in the region.



Occupation	Avg Monthly Postings (Jan 2023 - Oct 2023)	Avg Monthly Hires (Jan 2023 - Oct 2023)
Architectural and Civil Drafters	3	22

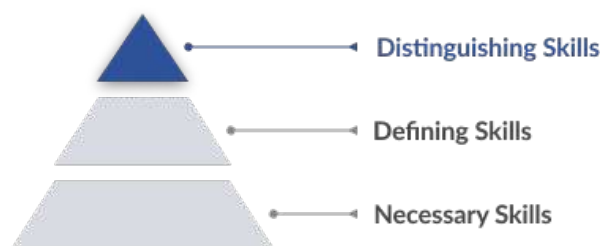
*A hire is reported by the Quarterly Workforce Indicators when an individual's Social Security Number appears on a company's payroll and was not there the quarter before. Lightcast hires are calculated using a combination of Lightcast jobs data, information on separation rates from the Bureau of Labor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



Top Companies	Unique Postings
Actalent	3 
Bowman Consulting Group	3 
Bowman & Company Llp	2 
Smyth Industries	2 
The Wlb Group	2 
A Thru Z Consulting And Distrib...	1 
Aitc Company Limited	1 
Hamilton-Ryker	1 
M3 Engineering & Technology C...	1 
Nesco Resource	1 

Top Job Titles	Unique Postings
Civil Designers	5 
Civil Technicians	4 
CAD Drafters	3 
Civil Designers/Drafters	3 
Drafters	2 
AutoCAD Drafters	1 
CAD Operators	1 
Civil 3D Designers	1 
Civil CAD Designers	1 
Civil Engineering Designers	1 

Top Distinguishing Skills by Demand

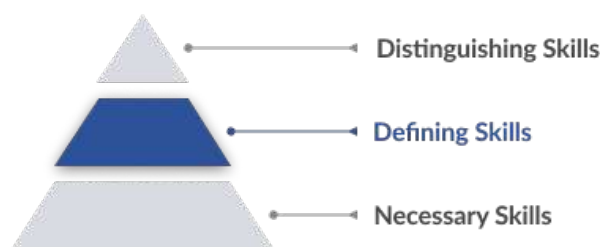
An occupation's Distinguishing Skills are the advanced skills that are called for occasionally. An employee with these skills is likely more specialized and able to differentiate themselves from others in the same role.



Skill	Salary Boosting	Job Postings Requesting
CAD Standards		3
Plumbing Design		0

Top Defining Skills by Demand

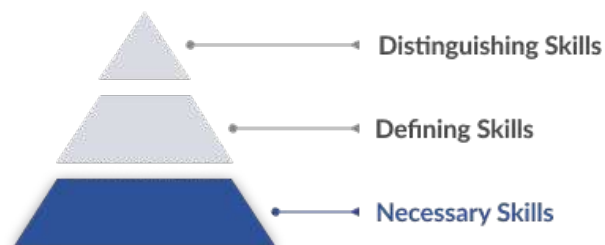
An occupation's Defining Skills represent the day-to-day tasks and responsibilities of the job. An employee needs these skills to qualify for and perform successfully in this occupation.



Skill	Salary Boosting	Job Postings Requesting
AutoCAD Civil 3D	✗	15
Computer-Aided Design	✗	13
AutoCAD	✗	13
Civil Design	✗	9
Project Management	✗	9
Autodesk Revit	✗	4
Civil Engineering	✓	3

Top Necessary Skills by Demand

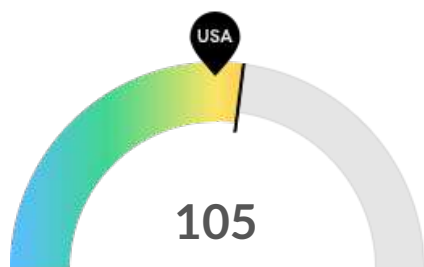
An occupation's Necessary Skills are the specialized skills required for that job and relevant across other similar jobs. An employee needs these skills as building blocks to perform the more complex Defining Skills.



Skill	Salary Boosting	Job Postings Requesting
Land Development	×	10
Grading (Landscape)	×	8
Design Software	×	6
Construction	×	5
Valid Driver's License	×	4
3D Modeling	×	4
Engineering Design Process	×	3
Stormwater Management	×	3
MicroStation (CAD Design Software)	×	2
Structural Engineering	×	2

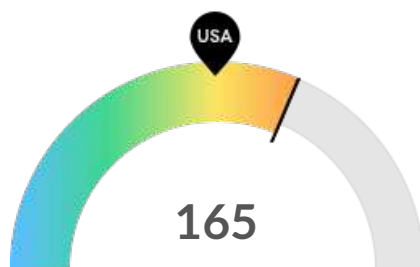
Demographics

Retirement Risk Is High, While Overall Diversity Is High



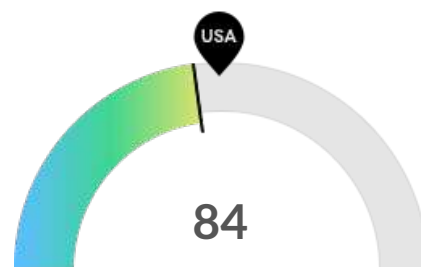
Retiring Soon

Retirement risk is high in your area. The national average for an area this size is 94* employees 55 or older, while there are 105 here.



Racial Diversity

Racial diversity is high in your area. The national average for an area this size is 116* racially diverse employees, while there are 165 here.

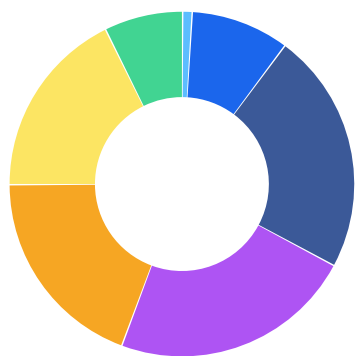


Gender Diversity

Gender diversity is low in your area. The national average for an area this size is 95* female employees, while there are 84 here.

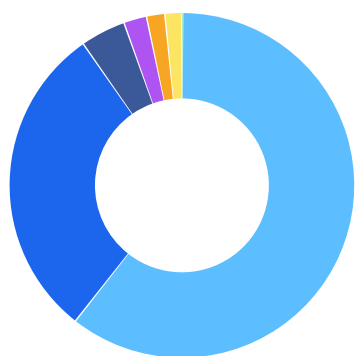
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Occupation Age Breakdown



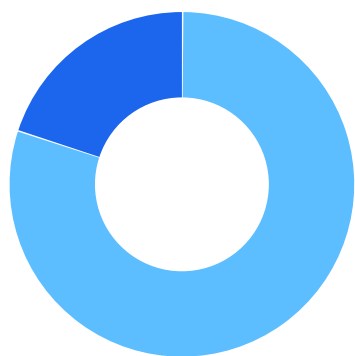
	% of Jobs	Jobs
14-18	0.9%	4
19-24	9.2%	39
25-34	22.6%	95
35-44	22.8%	96
45-54	19.3%	81
55-64	17.8%	74
65+	7.4%	31

Occupation Race/Ethnicity Breakdown



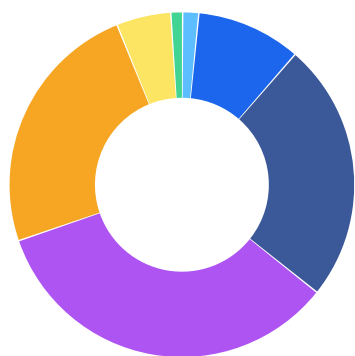
	% of Jobs	Jobs
White	60.5%	253
Hispanic or Latino	29.7%	124
Asian	4.2%	18
Black or African American	2.2%	9
American Indian or Alaska Native	1.7%	7
Two or More Races	1.6%	7
Native Hawaiian or Other Pacific Islander	0.1%	0

Occupation Gender Breakdown



	% of Jobs	Jobs
Males	80.0%	335
Females	20.0%	84

National Educational Attainment



	% of Jobs
Less than high school diploma	1.5%
High school diploma or equivalent	9.8%
Some college, no degree	24.3%
Associate's degree	34.0%
Bachelor's degree	24.1%
Master's degree	5.1%
Doctoral or professional degree	1.1%

Occupational Programs



8 Programs

Of the programs that can train for this job, 8 have produced completions in the last 5 years.



159 Completions (2022)

The completions from all regional institutions for all degree types.



49 Openings (2022)

The average number of openings for an occupation in the region is 77.

CIP Code	Top Programs	Completions (2022)
04.0902	Architectural and Building Sciences/Technology	71 <div></div>
15.1301	Drafting and Design Technology/Technician, General	29 <div></div>
04.9999	Architecture and Related Services, Other	28 <div></div>
15.1303	Architectural Drafting and Architectural CAD/CADD	26 <div></div>
15.0201	Civil Engineering Technologies/Technicians	2 <div></div>
15.1302	CAD/CADD Drafting and/or Design Technology/Technician	2 <div></div>
15.1304	Civil Drafting and Civil Engineering CAD/CADD	1 <div></div>

Top Schools	Completions (2022)
University of Arizona	99 <div></div>
Pima Community College	39 <div></div>
Eastern Arizona College	19 <div></div>
Cochise County Community College District	2 <div></div>

Appendix A

Architectural and Civil Drafters (SOC 17-3011):

Prepare detailed drawings of architectural and structural features of buildings or drawings and topographical relief maps used in civil engineering projects, such as highways, bridges, and public works. Use knowledge of building materials, engineering practices, and mathematics to complete drawings.

Sample of Reported Job Titles:

Civil Drafter
Draftsman
Computer-Aided Design Designer (CAD Designer)
Architectural Draftsman
Architectural Drafter
Draftsperson
Drafting Technician
Computer-Aided Drafting Designer (CAD Designer)
Computer-Aided Drafting and Design Drafter (CADD Drafter)
Architectural Designer

Related O*NET Occupation:

Architectural and Civil Drafters (17-3011.00)

Appendix B - 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

Emsi'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.