

Occupation Analysis - Data / Data Mining Analyst

Develops computer programs to analyze large customer information databases for companies and organizations. Analyzes data to identify patterns and provide information relevant to a particular business, industry or field; analysis may be used for marketing, or to detect fraud in financial transactions, or for research. Develops computer programs to protect confidential customer information.

Common job titles: Data Analyst, Senior Data Analyst, Data Specialist, Database Analyst, Junior Data Analyst

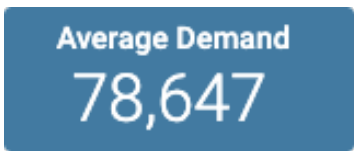
Active Selections: Nationwide, Data / Data Mining Analyst

Overview

Job Metrics

Job Postings

Last 12 Months



Projected Growth

10 Years



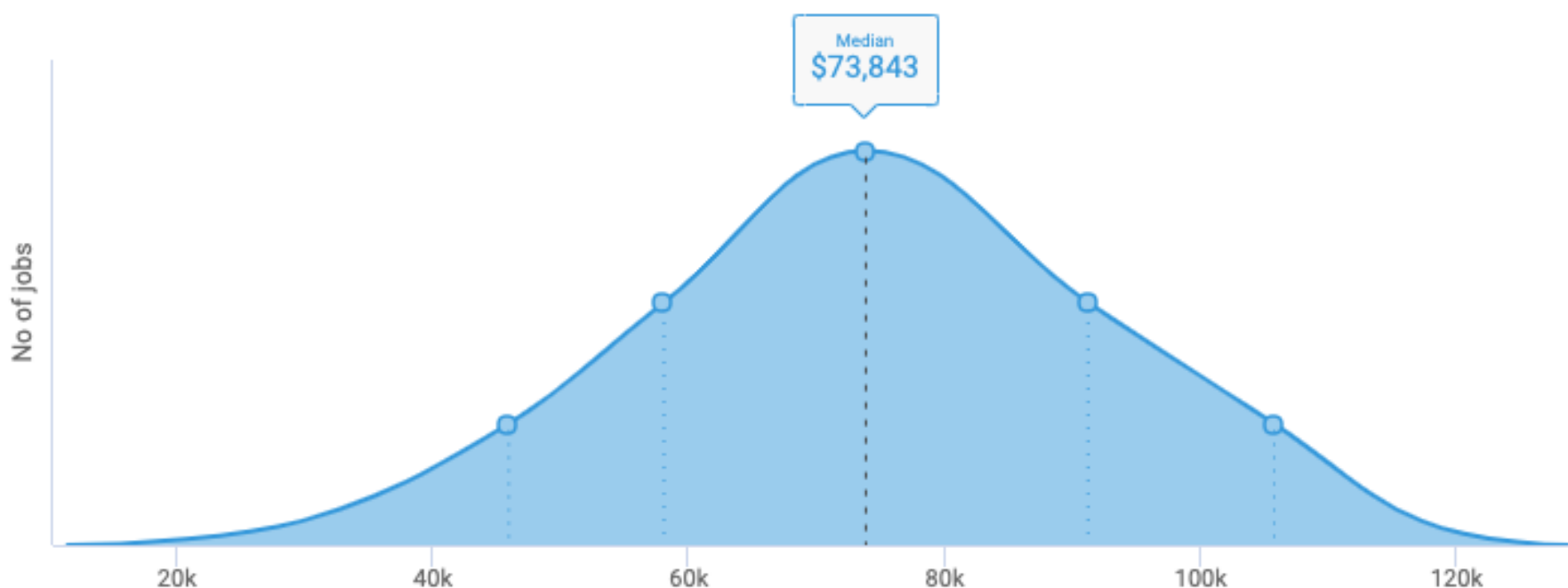
Time To Fill



Location Quotient

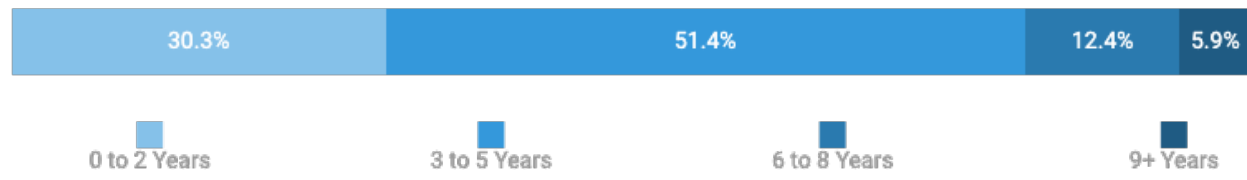


Salary Overall

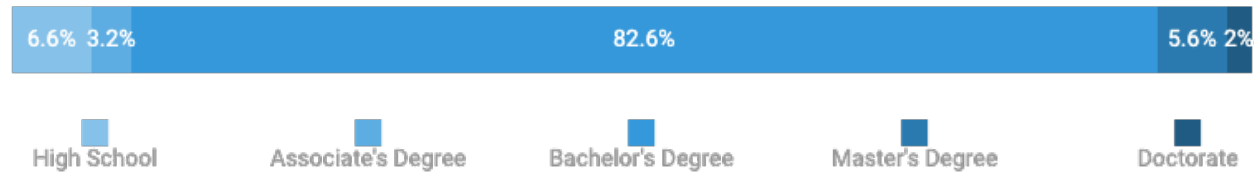


Job Qualifications

Years of Experience



Education Level



Certification

No certification data available for this report with your selected filters.

Top Skills

Specialized Skills

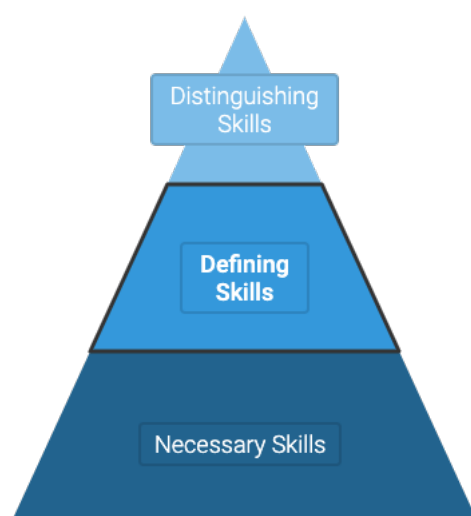
Data Analysis
SQL
Tableau
Python
Data Science
Data Quality
Data Management

Baseline Skills

Communication Skills
Microsoft Excel
Teamwork / Collaboration
Problem Solving
Research
Detail-Oriented
Writing

Skills Explorer

Occupational Skills for Data / Data Mining Analyst



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	Skill Type	Occupational Skills Category	Salary Premium	Job Postings Requesting Last 12 months	Projected Growth 2 Years
Data Analysis	Specialized	Defining		48,836	+7.4%
SQL	Software and Programming	Defining		39,520	-5.8%
Tableau	Software and Programming	Defining		21,134	+32.7%
Python	Software and Programming	Defining		20,294	+25.9%
Data Science	Specialized	Defining		12,709	+37.6%
Data Quality	Specialized	Defining		12,437	+7.7%
Data Management	Specialized	Defining		12,429	+8.0%
Microsoft Power BI	Specialized	Defining		11,914	
Data Warehousing	Specialized	Defining		11,141	-13.5%
Data Visualization	Software and Programming	Defining		10,847	+30.3%
Extraction Transformation and Loading (ETL)	Specialized	Defining		9,745	+11.2%
Business Intelligence	Specialized	Defining		9,635	-5.4%
Data Transformation	Specialized	Defining		8,187	+6.1%
Data Mining	Specialized	Defining		8,142	+1.4%
Relational Databases	Specialized	Defining		6,759	-0.5%
Machine Learning	Specialized	Defining		6,597	+42.2%
Data Modeling	Specialized	Defining		6,569	-6.2%
Database Design	Specialized	Defining		5,281	-13.5%

[Learn more](#) about Occupational Skill Categories

Top Requested Skills for Data / Data Mining Analyst

Skill	Skill Type	Occupational Skills Category	Salary Premium	Job Postings Requesting	Projected Growth 2 Years
Data Analysis	Specialized	Defining		48,836	+7.4%
SQL	Software and Specialized	Defining		39,520	-5.8%
Communication Skills	Baseline	NA		32,596	
Microsoft Excel	Software and Baseline	NA		28,716	
Teamwork / Collaboration	Baseline	NA		22,100	
Tableau	Software and Specialized	Defining		21,134	+32.7%

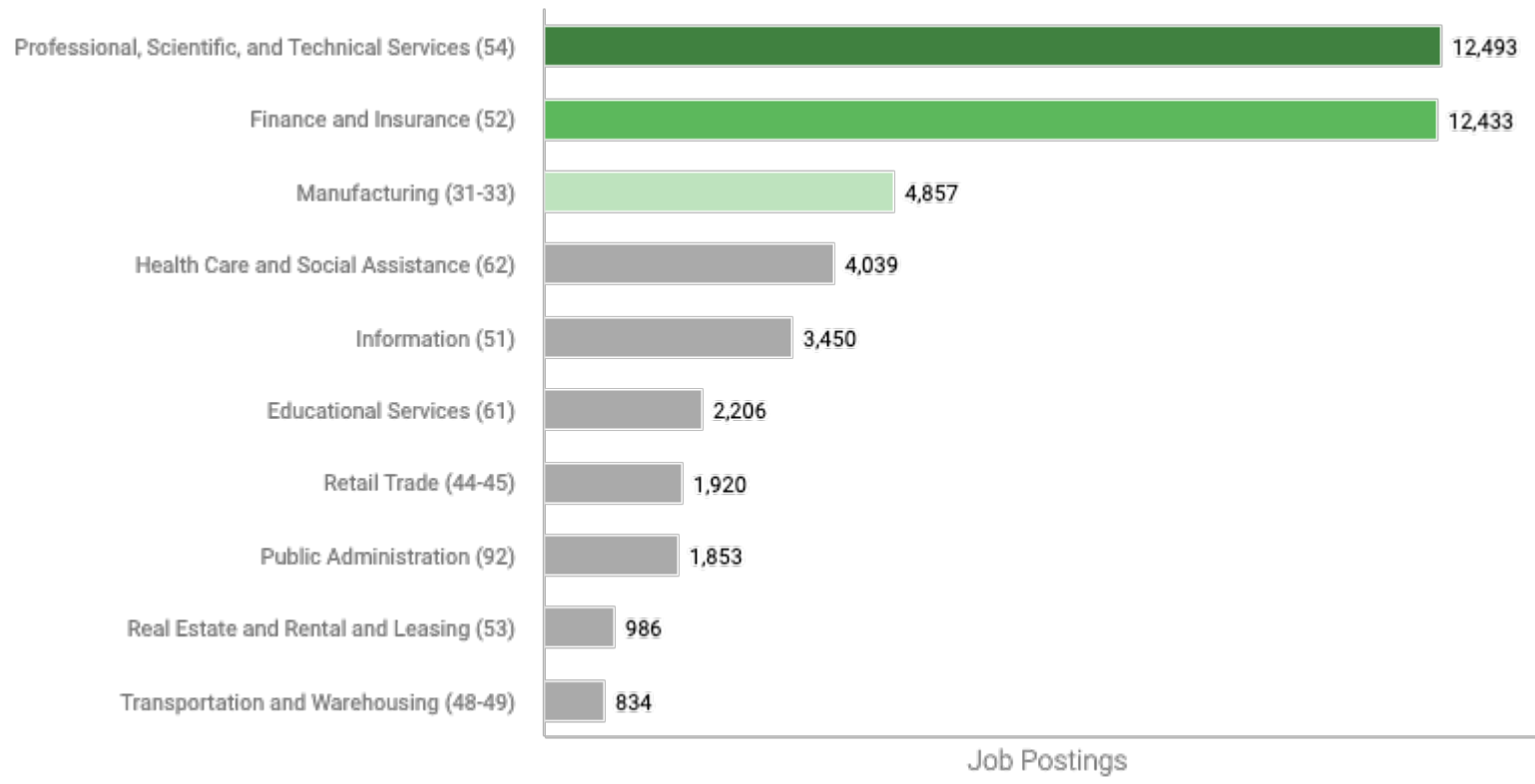
Problem Solving	Baseline	NA		20,455	
Python	Software and Specialized	Defining	✓	20,294	+25.9%
Research	Baseline	NA		19,842	
Detail-Oriented	Baseline	NA		17,182	
Writing	Baseline	NA		13,878	
Data Science	Specialized	Defining	✓	12,709	+37.6%
Data Quality	Specialized	Defining		12,437	+7.7%
Data Management	Specialized	Defining		12,429	+8.0%
Microsoft Power BI	Specialized	Defining		11,914	
Project Management	Specialized	Necessary		11,847	-6.0%
Microsoft Office	Software and Programming	NA		11,674	-2.7%
Organizational Skills	Baseline	NA		11,279	
Data Warehousing	Specialized	Defining		11,141	-13.5%
Data Visualization	Software and Programming	Defining		10,847	+30.3%
Planning	Baseline	NA		10,506	
SAS	Software and Programming	Necessary	✓	10,265	+7.0%
Extraction Transformation and Loading (ETL)	Specialized	Defining	✓	9,745	+11.2%
Business Intelligence	Specialized	Defining		9,635	-5.4%
Written Communication	Baseline	NA		8,618	
Creativity	Baseline	NA		8,564	
Microsoft Powerpoint	Software and Programming	NA		8,416	-3.8%
Business Process	Specialized	Necessary		8,226	-8.1%
Data Transformation	Specialized	Defining		8,187	+6.1%
Data Mining	Specialized	Defining		8,142	+1.4%
Presentation Skills	Baseline	NA		8,065	
Analytical Skills	Baseline	NA		7,913	
Troubleshooting	Baseline	NA		7,588	
Economics	Specialized	Necessary	✓	7,514	+2.1%
Oracle	Software and Programming	Necessary	✓	7,448	-9.6%
Decision Making	Baseline	NA		7,149	
Business Analysis	Specialized	Necessary		6,972	-4.8%
Relational Databases	Specialized	Defining		6,759	-0.5%
Verbal / Oral Communication	Baseline	NA		6,690	
Data Collection	Specialized	Necessary		6,667	+3.6%
Machine Learning	Specialized	Defining	✓	6,597	+42.2%
Data Modeling	Specialized	Defining	✓	6,569	-6.2%
Customer Service	Specialized	Necessary		6,443	+7.3%
Key Performance Indicators (KPIs)	Specialized	NA		6,285	+12.2%
Information Systems	Specialized	Necessary		5,942	-2.5%
Microsoft Access	Software and Programming	NA		5,811	-15.4%
Quality Assurance and Control	Specialized	Necessary		5,777	-9.7%
Data Governance	Specialized	Distinguishing		5,415	+17.5%
SQL Server	Software and Programming	Necessary		5,366	-11.1%

Database Design	Specialized	Defining		5,281	-13.5% 
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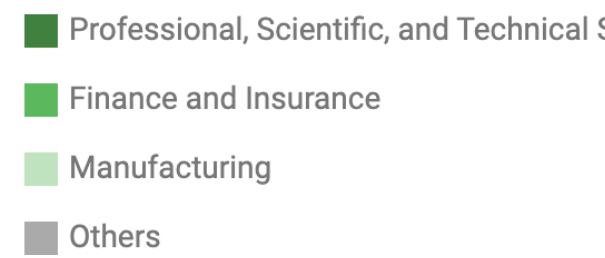
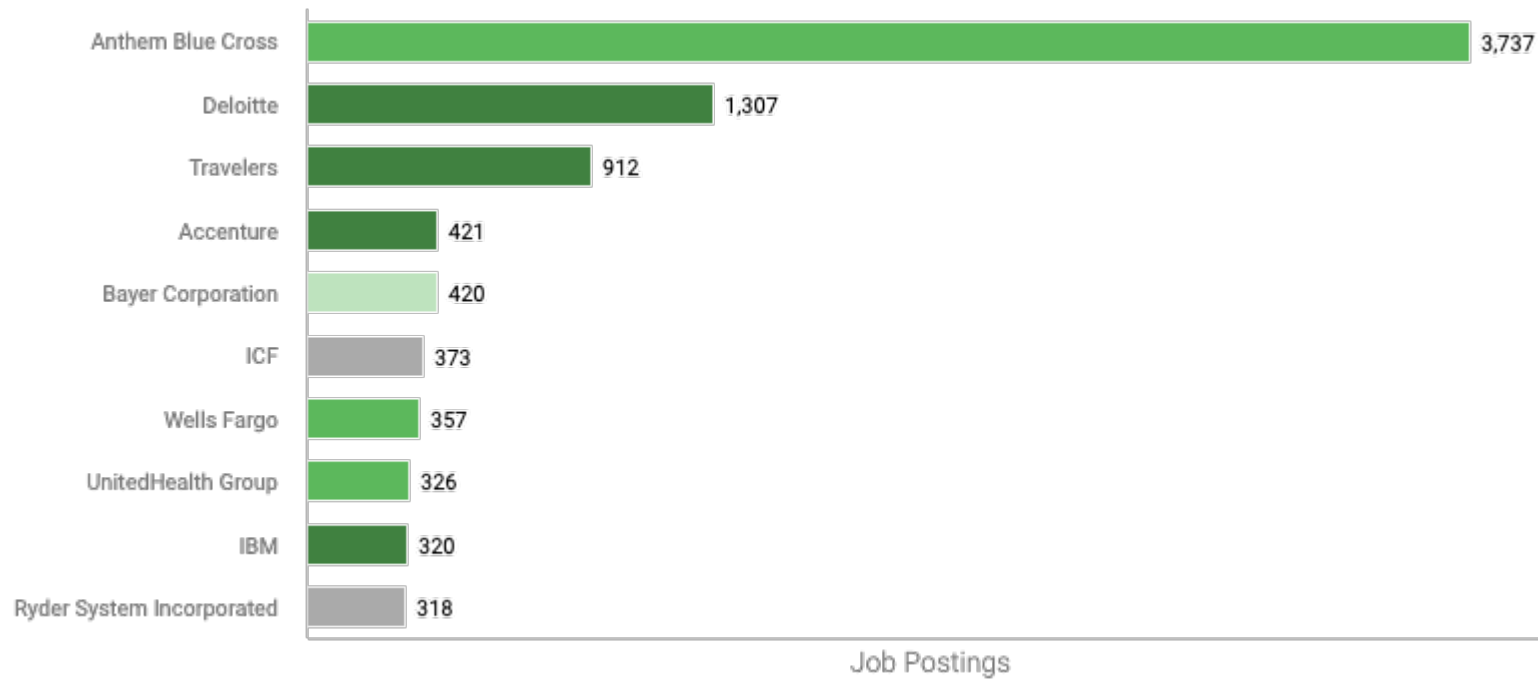
Employers & Industries

Top Industries

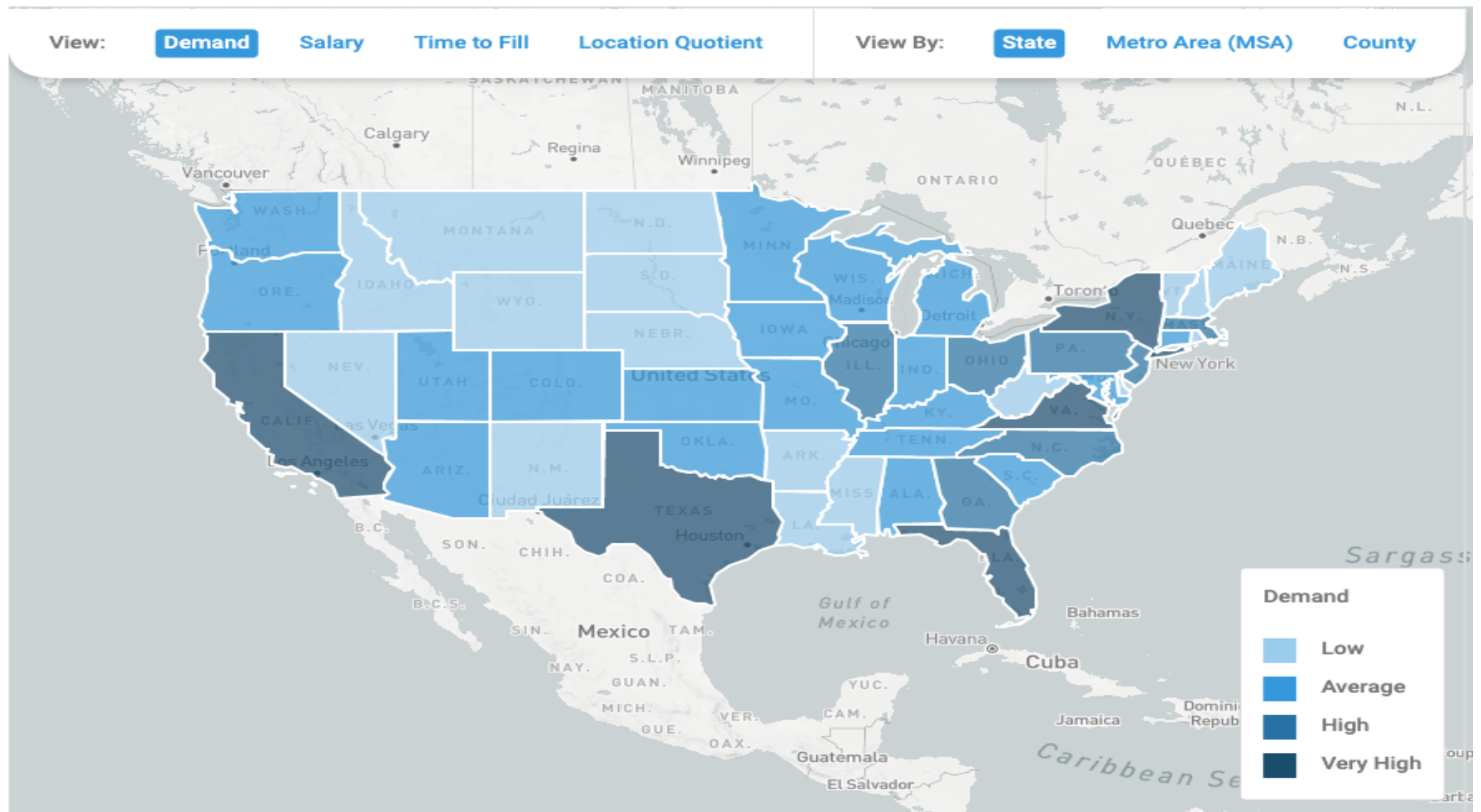
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Top Employers



Top Locations



State	Job Postings Last 12 months	Median Salary	Time to Fill Days	Location Quotient
California	10,977	\$78k	36	1.1 ▬
Texas	6,429	\$73k	34	1.0 ▬
New York	5,441	\$79k	41	1.7 ▴
Florida	3,939	\$68k	36	0.8 ▾
Virginia	3,740	\$77k	41	1.7 ▴
Illinois	3,568	\$77k	38	1.1 ▬
Georgia	3,306	\$75k	38	1.2 ▬
North Carolina	3,134	\$74k	32	1.2 ▬
Massachusetts	2,600	\$78k	42	1.2 ▬
Pennsylvania	2,548	\$70k	36	1.0 ▬
New Jersey	2,485	\$77k	37	1.3 ▴
Ohio	2,245	\$69k	40	0.8 ▾
Colorado	2,013	\$71k	36	0.9 ▬
Arizona	2,006	\$75k	41	0.9 ▬
Washington	1,875	\$74k	50	0.9 ▬
Minnesota	1,838	\$74k	37	1.1 ▬
Michigan	1,740	\$72k	33	0.8 ▾
District of Columbia	1,713	\$79k	40	3.2 ▴
Maryland	1,572	\$76k	40	1.2 ▬

Missouri	1,490	\$69k	35	1.1	—
Wisconsin	1,333	\$66k	39	0.8	↓
Tennessee	1,172	\$68k	37	0.7	↓
Connecticut	1,039	\$80k	36	1.1	—
Indiana	986	\$64k	38	0.6	↓↓
Oregon	833	\$73k	36	0.8	↓
Utah	757	\$69k	47	1.0	—
Iowa	672	\$72k	47	0.9	—
Kentucky	600	\$67k	41	0.7	↓
Alabama	587	\$68k	38	0.6	↓↓
South Carolina	518	\$69k	37	0.6	↓↓
Oklahoma	472	\$61k	33	0.6	↓↓
Kansas	439	\$65k	39	0.6	↓↓
Louisiana	421	\$68k	37	0.5	↓↓
Nebraska	411	\$66k	45	0.8	↓
Nevada	396	\$68k	32	0.5	↓↓
Delaware	357	\$77k	33	1.4	↑
Rhode Island	355	\$76k	41	1.5	↑
Arkansas	328	\$63k	33	0.6	↓↓
Idaho	328	\$66k	43	0.6	↓↓
New Mexico	256	\$70k	43	0.7	↓
Mississippi	235	\$58k	43	0.6	↓↓
New Hampshire	232	\$76k	40	0.8	↓
Hawaii	178	\$70k	36	0.7	↓
Maine	161	\$74k	44	0.8	↓
West Virginia	150	\$79k	36	0.7	↓
South Dakota	123	\$68k	41	0.7	↓
Montana	113	\$73k	34	0.6	↓↓
Vermont	113	\$69k	34	0.9	—
North Dakota	112	\$77k	40	0.7	↓
Alaska	110	\$72k	34	0.6	↓↓
Wyoming	74	\$80k	36	0.7	↓
Puerto Rico	55	\$61k	23	1.3	↑
Guam	1	\$56k	N/A	0.0	↓↓

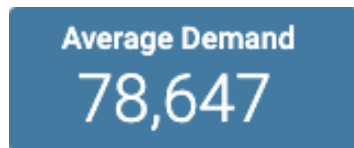
Related Jobs

Data / Data Mining Analyst at a Glance

Salary



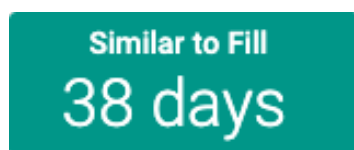
Job Postings Last 12 Months



Projected Growth 10 Years



Time To Fill



Location Quotient



Source: Burning Glass analysis of Bureau of Labor Statistics and state projections

Related Jobs

