DATASEARCH

Data Science Job Market Insights

Select a dashboard to view

Jobs

Skills

Com

DATA SEARCH

Data Science Job Market Insights
Jobs Overview

9556
Posting Count

4.49
Average Years Experience

Home

Job Title
All

Job Position Level
All

Company Name
All

Company Size
All

Company Industry
All

Job Posting Date
1/1/2017   12/31/2021

Job Position Level ● Associate ● Director ● Entry level ● Executive ● Internship ● Mid-Senior level

Data Engineer
aws | sql | azure | etl
spark | snowfl... | agile | redshift
cloud
programming | java | ta... | bi
python | database | machine... | pow... | r

Data Scientist
python | sql | cl... | s...
r | tabl...
| dat...
machine_le... | programm...

Business Analyst
agile | excel
micros...
sql
cloud
Machin... | Data ...
a...

Data Analyst
sql | excel | mi... | bi | p...
| | pro... | cl...
python | databa... | etl
tableau | r | agile

DATA SEARCH

Job Title
All

Job Position Level
All

Company Name
All

Company Size
All

Company Industry
All

Job Posting Date
1/1/2017   12/31/2021

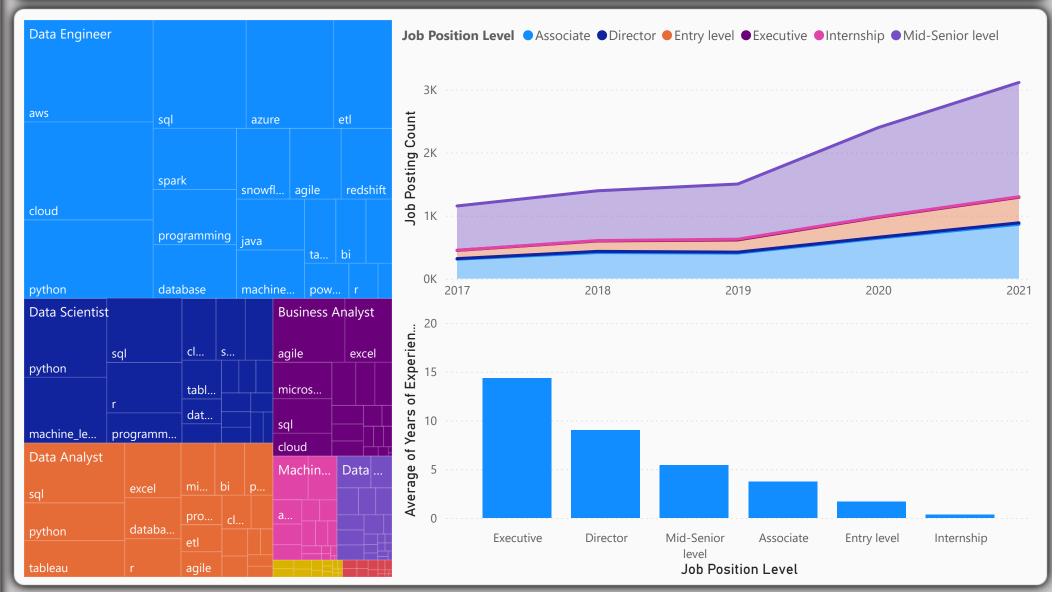Data Science Job Market Insights
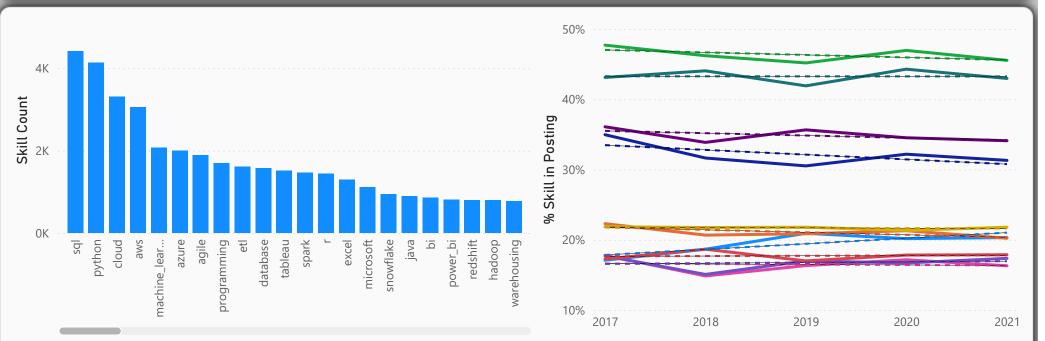
Skills Overview

166 Distinct Count of Skills

8561 Job Postings with Skills

Home

Percentage a Skill Included in Job Posting

Job Skills	Business Analyst	Data Analyst	Data Architect	Data Engineer	Data Science Manager	Data Scientist	Machine Learning Engineer	Research Scient
sql	18.27%	73.13%	90.23%	52.40%	73.91%	43.37%	21.55%	10.00
python	4.78%	45.99%	36.74%	52.66%	95.65%	58.83%	80.21%	40.00
cloud	12.00%	11.92%	47.91%	65.86%	21.74%	18.96%	37.46%	25.00
aws	1.84%	6.46%	38.60%	68.46%	73.91%	15.41%	44.52%	12.50
machine_learning	1.54%	8.42%	7.91%	17.07%	95.65%	48.87%	97.88%	38.75
azure	1.84%	3.91%	11.63%	49.10%	8.70%	6.80%	9.89%	13.75
agile	41.11%	12.53%	34.42%	18.89%		5.00%	14.84%	5.00
programming	3.48%	14.61%	31.63%	23.83%	56.52%	20.41%	23.67%	36.25
etl	1.84%	13.33%	55.81%	32.96%	4.35%	5.05%	3.89%	

DATA SEARCH

Data Science Job Market Insights
Company Overview

Average Pay

$100.96K $116K $131.59K

Job Title

| All | ⌄ |

Job Position Level

| All | ⌄ |

Company Name

| All | ⌄ |

Company Size

| All | ⌄ |

Company Industry

| All | ⌄ |

Job Posting Date

| 1/1/2017 | 12/31/2021 |

Job Title	Company Name	Posting Count
Data Engineer	Toptal	994
Data Scientist	Toptal	673
Business Analyst	Perficient	220
Data Engineer	Jobot	183
Data Architect	Perficient	149
Data Engineer	Recruiting from Scratch	120
Business Analyst	Dice	103
Data Scientist	Jobot	97
Data Engineer	Dice	89
Data Analyst	Perficient	50
Business Analyst	Zscaler	44
Business Analyst	Jobot	43
Data Analyst	Kraken Digital Asset Exchange	43
Data Engineer	Blackbaud	43

Avg Years Experience — Company Industry

Avg Years Experience — Company Size

Average of Years of Experience by Job Position Level

Count of Job Posting ID by Year, Quarter, Month and Job Position Level

Job Position Level ● Associate ● Director ● Entry level ● Executive ● Internship ● Mid-Senior level
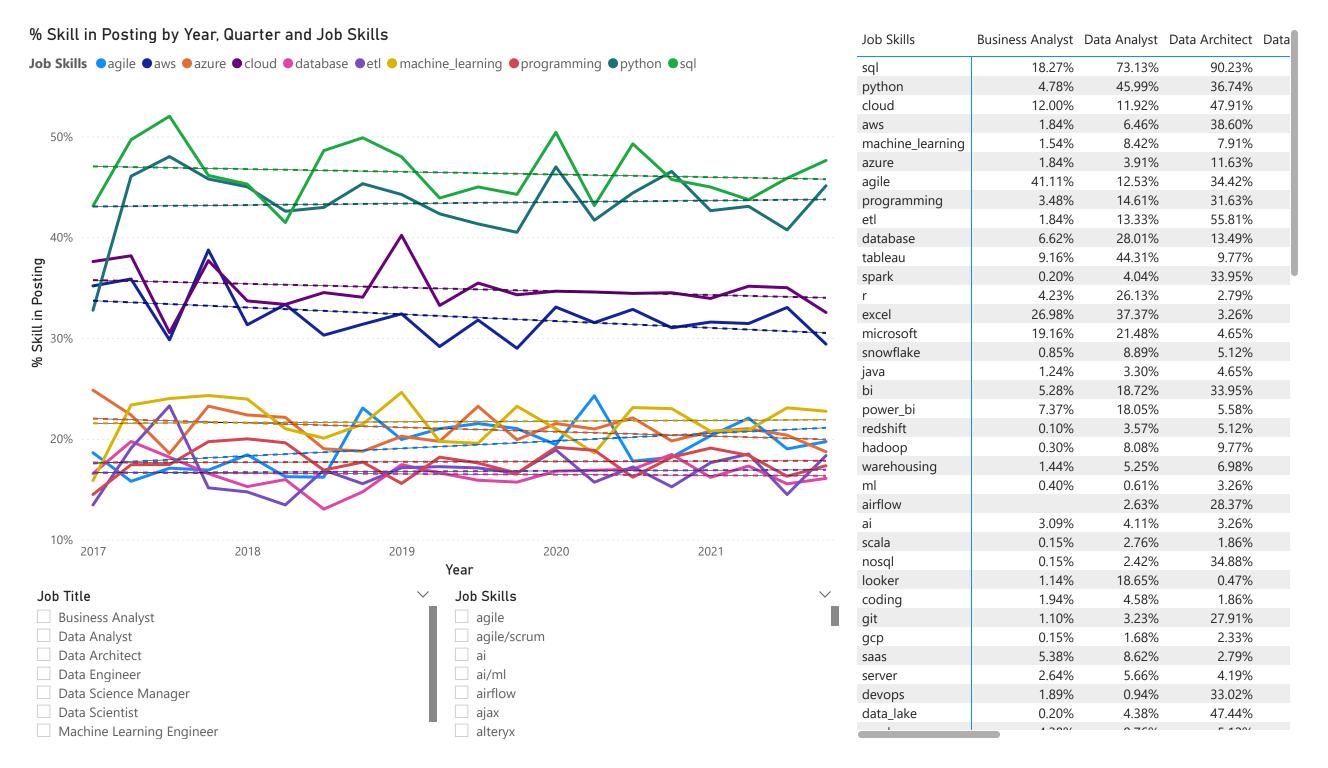
Count of Job Skills by Job Title and Job Skills

Data Engineer
aws
cloud
python
sql
spark
programming
database
azure
snowflake
java
machine_lear...
etl
agile
tableau
power_bi
bi
r
redshift
microsoft
excel

Data Scientist
python
machine_learning
sql
r
progra...
cloud
tableau
data...
az...
spark
power_bi
etl
java
s...
e...
aws
agile
red...
micros...

Data Analyst
sql
python
tableau
excel
database
r
microsoft
progra...
etl
agile
bi
cloud
machi...
aws
power_bi
snowflake
azure
spark

Business Analyst
agile
microsoft
sql
cloud
tableau
bi
py...
r
power_bi
pro...
excel
database

Machine Learning Engineer
machine_le...
aws
clo...
s...
java
sql
python
pro...
r
R...

Data Architect
sql
a...
bi
s...
aws
etl
python
pro...
D...

Job Title ⌄

- ☐ Business Analyst
- ☐ Data Analyst
- ☐ Data Architect
- ☐ Data Engineer
- ☐ Data Science Manager
- ☐ Data Scientist
- ☐ Machine Learning Engin...
- ☐ Research Scientist

Job Skills ⌄

🔍 Search

- ☐ agile
- ☐ agile/scrum
- ☐ ai
- ☐ ai/ml
- ☐ airflow
- ☐ ajax
- ☐ alteryx
- ☐ apache
- ☐ asp.net
- ☐ atlassian
- ☐ aurora
- ☐ aws
- ☐ azure
- ☐ backend
- ☐ back-end
- ☐ bash

Average of Average Pay by Years of Experience and Job Title

Job Title ● Business... ● Data An... ● Data Ar... ● Data En... ● Data Sci... ● Data Sci... ● Machine... ▶

Count of Job Skills by Job Skills

Chart showing "Count of Job Skills by Job Skills" with the y-axis labeled "Count of Job Skills" (0K to 4K) and the x-axis labeled "Job Skills". Bars in descending order: sql, python, cloud, aws, machine_learning, azure, agile, programming, etl, database, tableau, spark, r, excel, microsoft, snowflake, java, bi, power_bi, redshift, hadoop, warehousing, ml, airflow, ai, scala, nosql, looker, coding, git, gcp, saas, server, devops, data_lake, oracle, scrum, go, mysql, jira, pandas, ci/cd, word, apache, powerpoint, docker, postgres, c

Job Skills filter list:
- agile
- agile/scrum
- ai
- ai/ml
- airflow
- ajax
- alteryx
- apache
- asp.net
- atlassian
- aurora
- aws
- azure
- backend
- back-end
- bash
- bi
- bigquery
- bitbucket
- bloomberg
- c
- c/c++
- c++
- chainer
- ci/cd
- cicd
- cloud
- codebase
- coding
- cognos
- css
- data_lake
- data_lakes
- database
- datadog
- dataops

% Skill in Posting by Year, Quarter and Job Skills

Job Skills ●agile ●aws ●azure ●cloud ●database ●etl ●machine_learning ●programming ●python ●sql

% Skill in Posting (y-axis: 10%, 20%, 30%, 40%, 50%)
Year (x-axis: 2017, 2018, 2019, 2020, 2021)

Job Title
- ☐ Business Analyst
- ☐ Data Analyst
- ☐ Data Architect
- ☐ Data Engineer
- ☐ Data Science Manager
- ☐ Data Scientist
- ☐ Machine Learning Engineer

Job Skills
- ☐ agile
- ☐ agile/scrum
- ☐ ai
- ☐ ai/ml
- ☐ airflow
- ☐ ajax
- ☐ alteryx

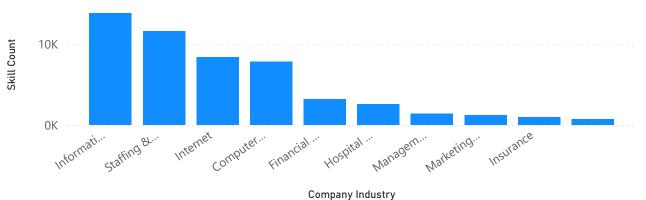| Job Skills	Business Analyst	Data Analyst	Data Architect	Data
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programming	3.48%	14.61%	31.63%	
etl	1.84%	13.33%	55.81%	
database	6.62%	28.01%	13.49%	
tableau	9.16%	44.31%	9.77%	
spark	0.20%	4.04%	33.95%	
r	4.23%	26.13%	2.79%	
excel	26.98%	37.37%	3.26%	
microsoft	19.16%	21.48%	4.65%	
snowflake	0.85%	8.89%	5.12%	
java	1.24%	3.30%	4.65%	
bi	5.28%	18.72%	33.95%	
power_bi	7.37%	18.05%	5.58%	
redshift	0.10%	3.57%	5.12%	
hadoop	0.30%	8.08%	9.77%	
warehousing	1.44%	5.25%	6.98%	
ml	0.40%	0.61%	3.26%	
airflow		2.63%	28.37%	
ai	3.09%	4.11%	3.26%	
scala	0.15%	2.76%	1.86%	
nosql	0.15%	2.42%	34.88%	
looker	1.14%	18.65%	0.47%	
coding	1.94%	4.58%	1.86%	
git	1.10%	3.23%	27.91%	
gcp	0.15%	1.68%	2.33%	
saas	5.38%	8.62%	2.79%	
server	2.64%	5.66%	4.19%	
devops	1.89%	0.94%	33.02%	
data_lake	0.20%	4.38%	47.44%	

Average of Years of Experience, Posting Count and Posting Count by Job Position Level and Company Industry
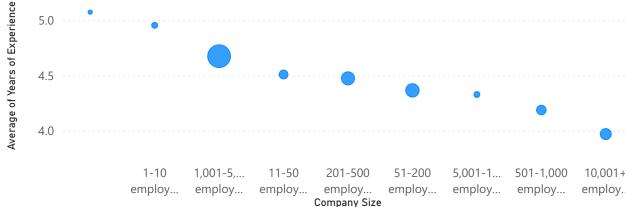
Job Position Level ● Associate ● Director ● Entry level ● Executive ● Internship ● Mid-Senior level

Average of Years of Experience

Company Industry

(x-axis labels: Computer Software, Financial Services, Hospital & Health Care, Information Technology & S..., Insurance, Internet, Management Consulting, Marketing & Advertising, Staffing & Recruiting)

Job Title	Company Name	Posting Count
Data Engineer	Toptal	994
Data Scientist	Toptal	673
Business Analyst	Perficient	220
Data Engineer	Jobot	183
Data Architect	Perficient	149
Data Engineer	Recruiting from Scratch	120
Business Analyst	Dice	103
Data Scientist	Jobot	97
Total		**9556**

Skill Count / Company Industry

(x-axis labels: Informati..., Staffing &..., Internet, Computer..., Financial..., Hospital..., Managem..., Marketing..., Insurance)

Average of Years of Experience and Posting Count by Company Size

Average of Years of Experience / Company Size

(x-axis labels: 1-10 employ..., 1,001-5,... employ..., 11-50 employ..., 201-500 employ..., 51-200 employ..., 5,001-1... employ..., 501-1,000 employ..., 10,001+ employ...)

Average of Years of Experience and Posting Count by Company Industry

Average of Years of Experie... / Company Industry

(x-axis labels: Staffing &..., Internet, Information..., Manageme..., Computer S..., Marketing..., Financial Se..., Hospital &..., Insurance)