DATASEARCH

Data Science Job Market Insights

Select a dashboard to view

Jobs

Skills

Company

DATA SEARCH

Data Science Job Market Insights
Jobs Overview
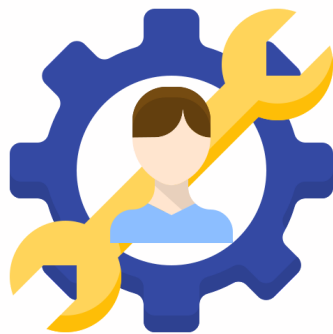
9556
Posting Count

4.49
Average of Years of Experience

Home

Job Posting Date

1/1/2017 | 12/31/2021

Job Title
All

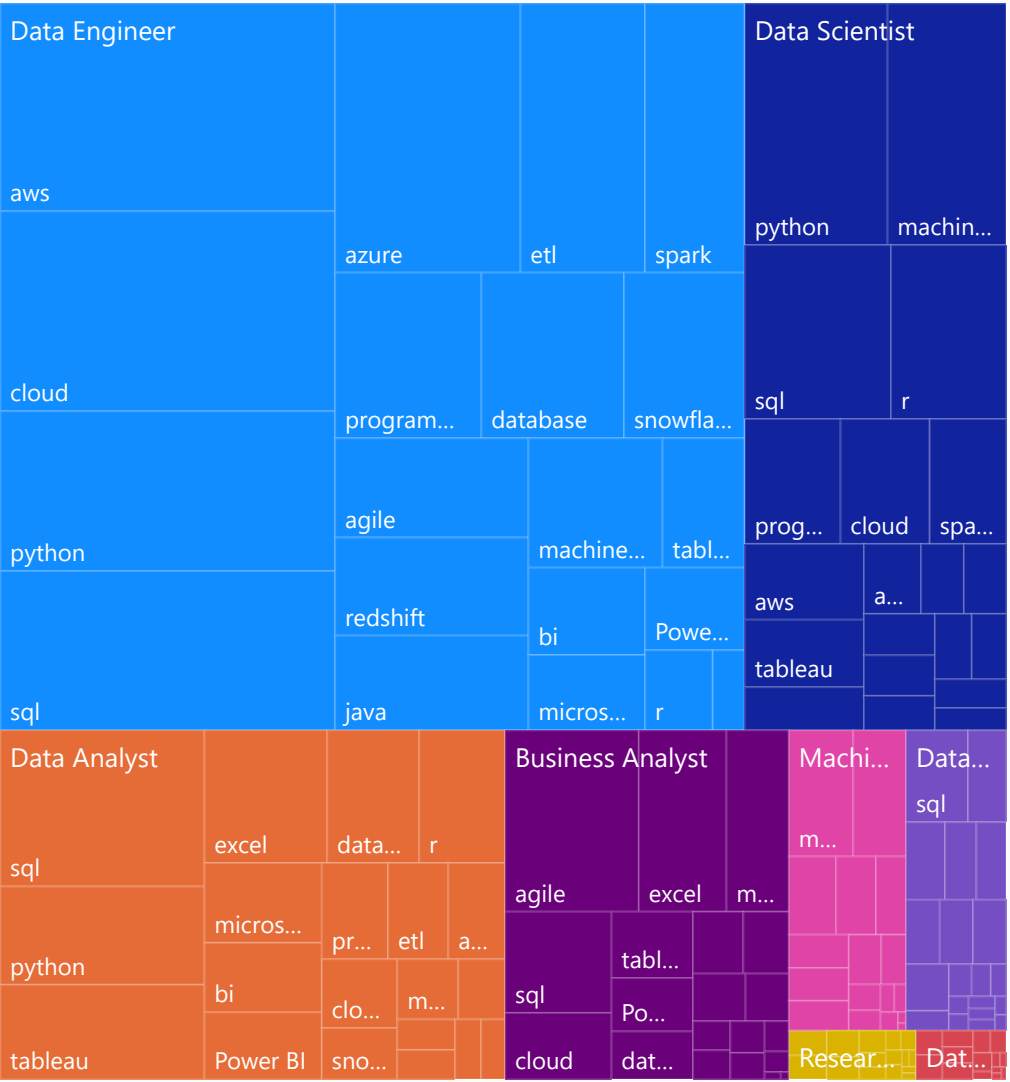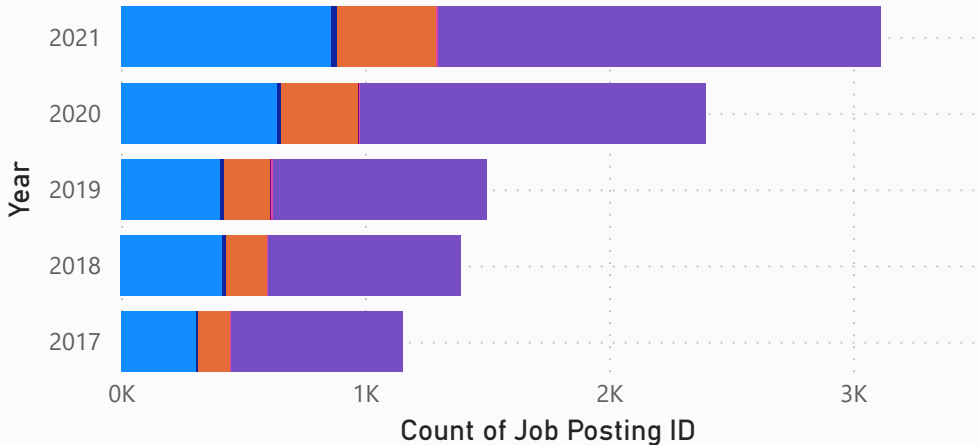**Job Position Level**
All

Company Industry
All

Company Name
All

Company Size
All

Common Job Skills by Job Tite

Data Engineer
aws
azure
etl
spark
cloud
program...
database
snowfla...
python
agile
machine...
tabl...
redshift
bi
Powe...
sql
java
micros...
r

Data Scientist
python
machin...
sql
r
prog...
cloud
spa...
aws
a...
tableau

Data Analyst
sql
excel
data...
r
micros...
python
pr...
etl
a...
bi
clo...
m...
tableau
Power BI
sno...

Business Analyst
agile
excel
m...
sql
tabl...
cloud
Po...
dat...
Resear...
Dat...

Machi...
m...
m...

Data...
sql

Number of Job postings by Year and Position Level

Job Position Level ● Associate ● Director ● Entry level ● Executive ▶

2021
2020
2019
2018
2017

Year

0K | 1K | 2K | 3K

Count of Job Posting ID

DATA SEARCH

Data Science Job Market Insights
Skills Overview

Number of Unique Skills	Number of Unique Skills
8561	**166**
Count of Job Posting ID	Count of Job Skills

Home

Filters

Job Posting Date

1/1/2017   12/31/2021

Job Title
All

Job Position Level
All

Company Industry
All

Company Name
All

Company Size
All

Job Demand by Skills

Horizontal bar chart — Count of Job Posting ID by Job Skills:
- sql
- python
- cloud
- aws
- machine_learning
- azure
- agile
- programming
- etl
- database
- tableau

(x-axis: 0K, 2K, 4K)
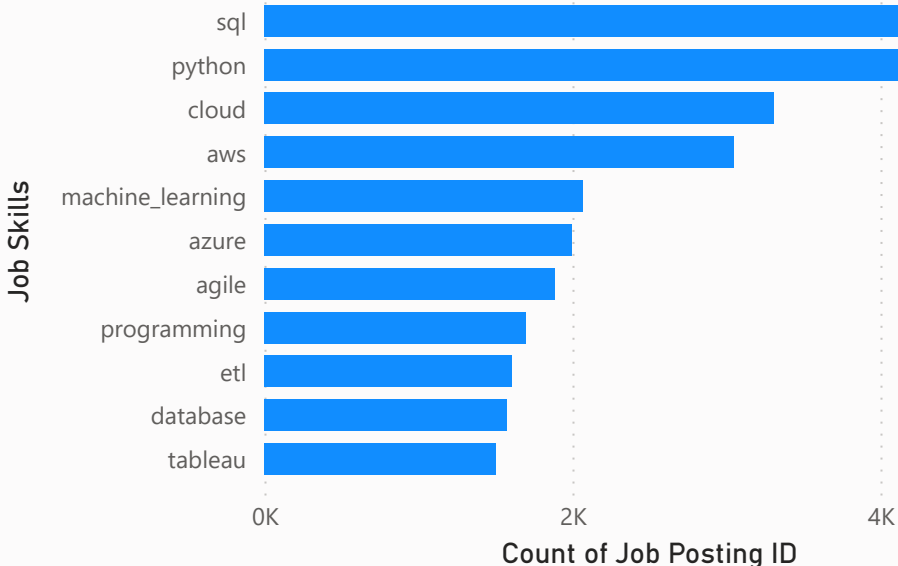
Skill Demand in Postings by Year

Job Skills ● agile ● aws ● azure ● cloud ● database ● etl ● machine_l... ▶

Line chart — % Skill in Posting vs Year (2017–2021), y-axis 10%–50%
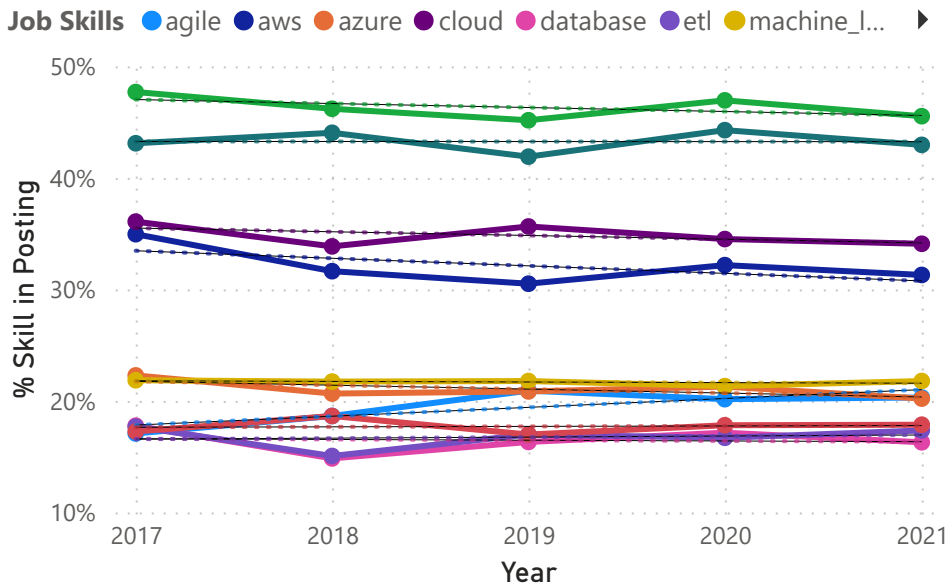
Job Skills	Business Analyst	Data Analyst	Data Architect	Data Engineer	Data Science Manager	Data Scientist	Machine Learning Engineer	Research Scientist
sql	18.27%	73.13%	90.23%	52.40%	73.91%	43.37%	21.55%	10.00%
python	4.78%	45.99%	36.74%	52.66%	95.65%	58.83%	80.21%	40.00%
cloud	12.00%	11.92%	47.91%	65.86%	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%	
database	6.62%	28.01%	13.49%	23.22%	4.35%	8.75%	4.59%	5.00%

DATA SEARCH

Data Science Job Market Insights

Company Overview

Avarage Salary
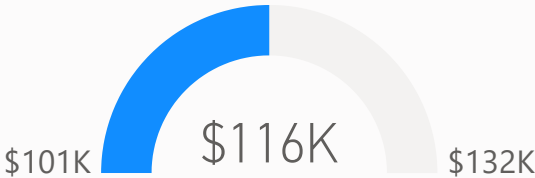
$101K $116K $132K

Job Posting Date

1/1/2017   12/31/2021

Job Title

All

Job Position Level

All
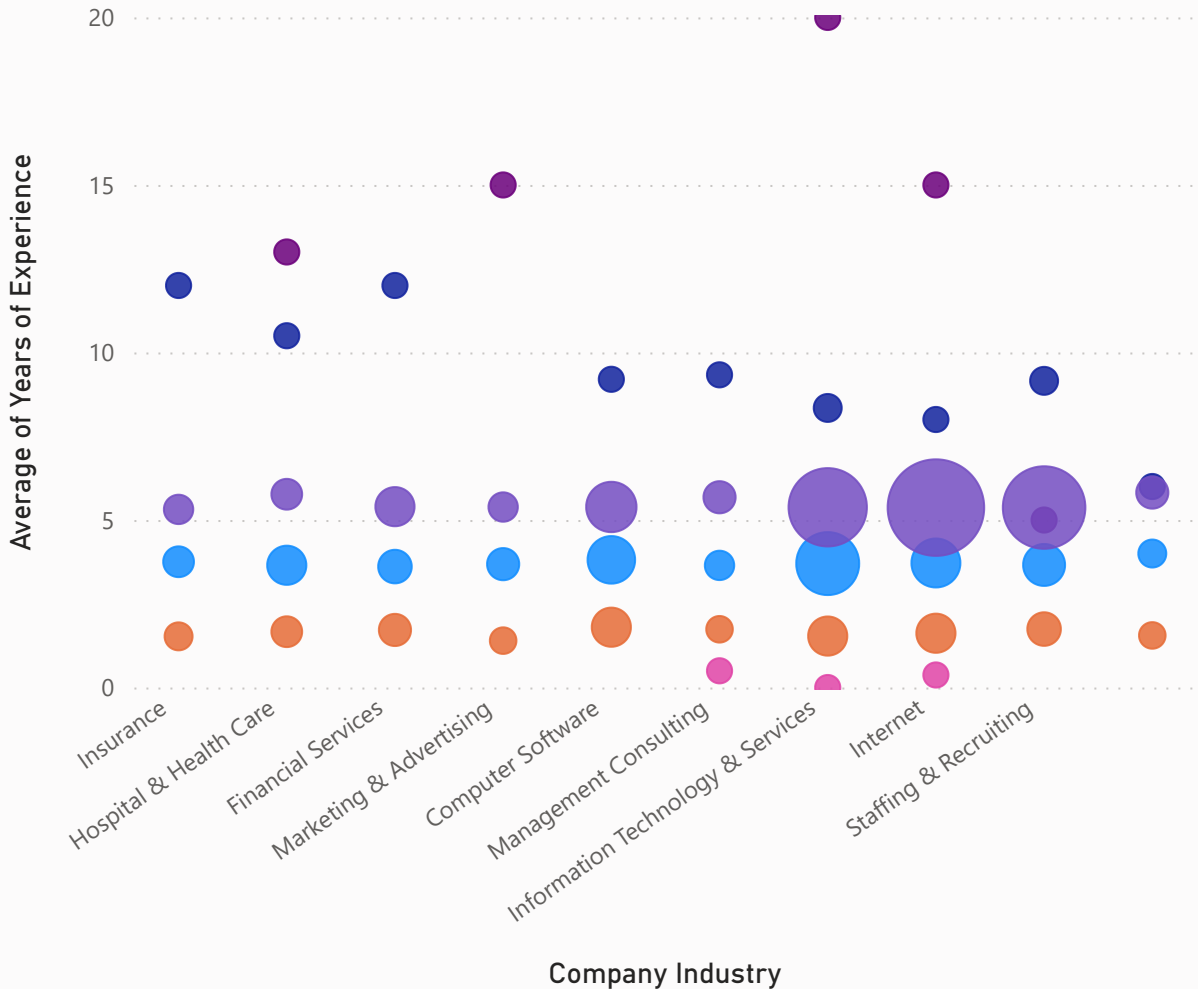
Company Industry

All

Company Name

All

Company Size

All

Average of Years of Experience and Posting Count by Job Position Level and Company Industry

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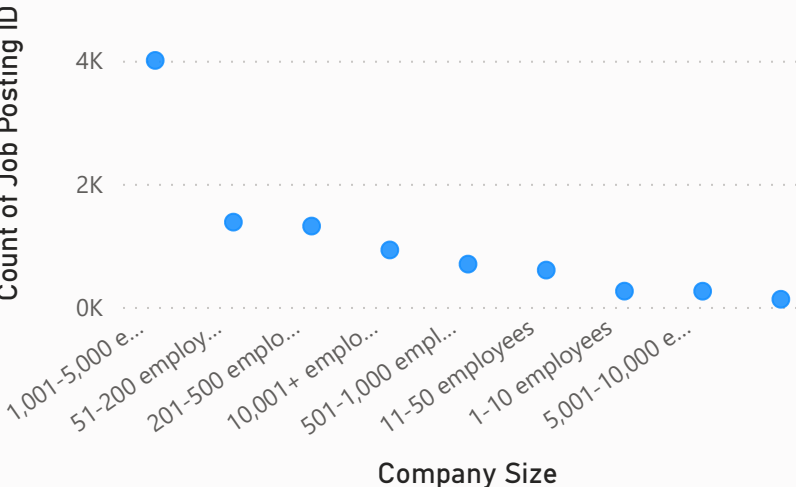

Average of Years of Experience

Company Industry: Insurance, Hospital & Health Care, Financial Services, Marketing & Advertising, Computer Software, Management Consulting, Information Technology & Services, Internet, Staffing & Recruiting

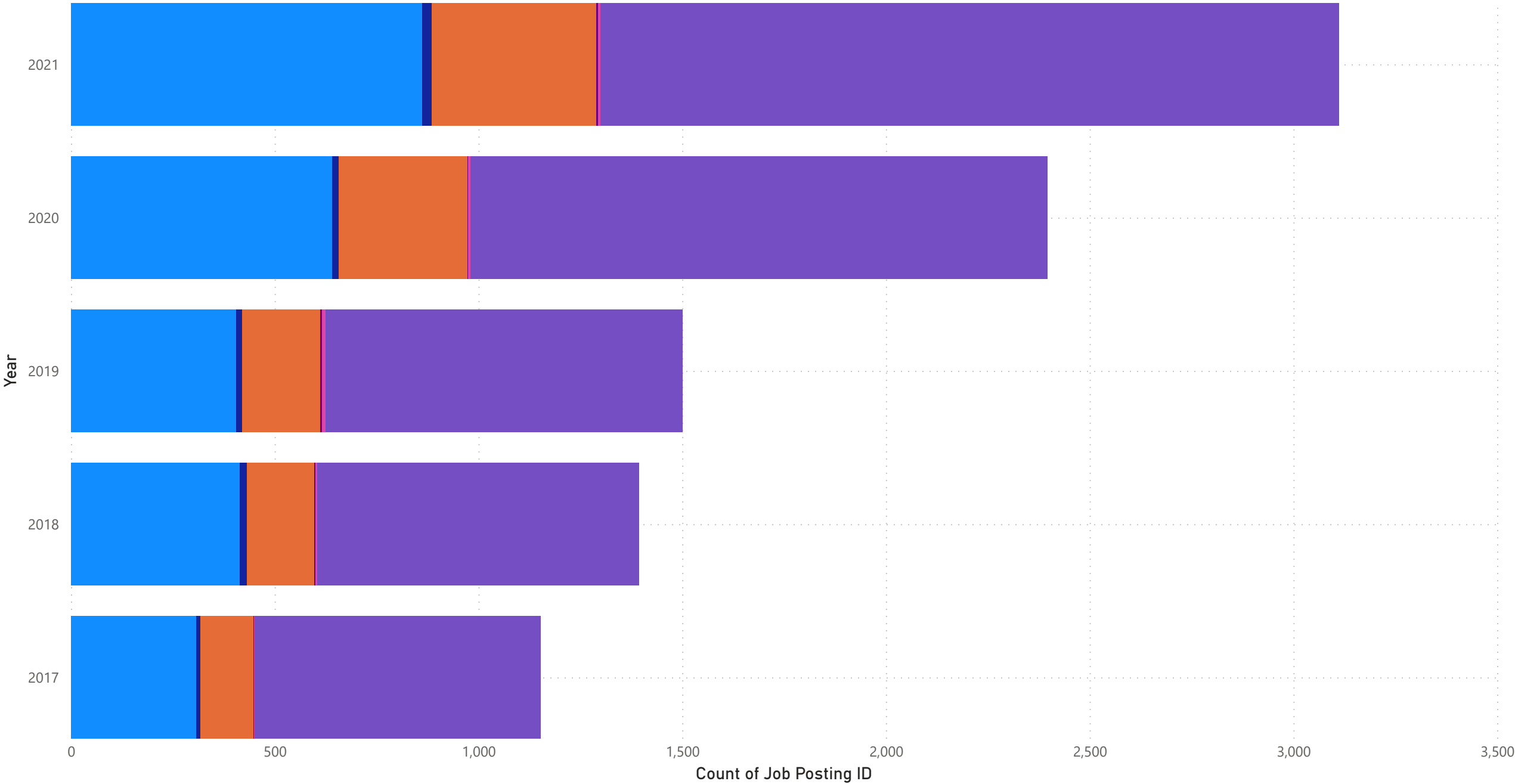| Job Title	Company Name	Postin
Data Engineer	Toptal	
Data Scientist	Toptal	
Business Analyst	Perficient	
Data Engineer	Jobot	
Data Architect	Perficient	
Data Engineer	Recruiting from Scratch	
Business Analyst	Dice	
Data Scientist	Jobot	
Data Engineer	Dice	
Data Analyst	Perficient	
Business Analyst	Zscaler	
Total		

Job Posting by Company S.ize

Count of Job Posting ID

Company Size: 1,001-5,000 e..., 51-200 employ..., 201-500 emplo..., 10,001+ emplo..., 501-1,000 empl..., 11-50 employees, 1-10 employees, 5,001-10,000 e...

Count of Job Skills by Job Title and Job Skills

Data Engineer

aws

cloud

python

sql

programming

database

snowflake

azure

agile

redshift

java

etl

spark

warehousing

scala

hadoop

machine_learning

airflow

nosql

gcp

Job Title ⌄

- ☐ Business Analyst
- ☐ Data Analyst
- ☐ Data Architect
- ☑ Data Engineer
- ☐ Data Science Manager
- ☐ Data Scientist
- ☐ Machine Learning Engineer
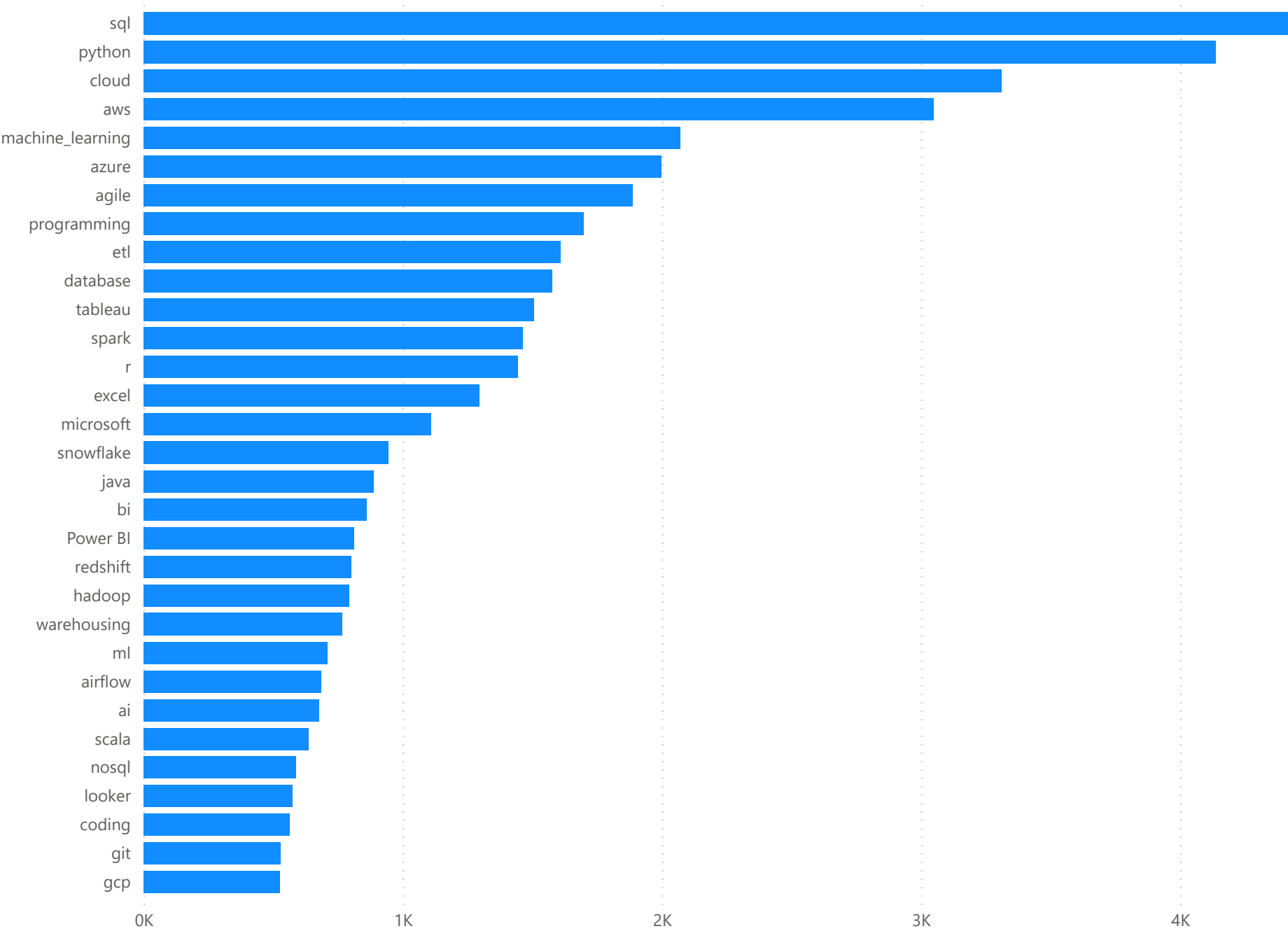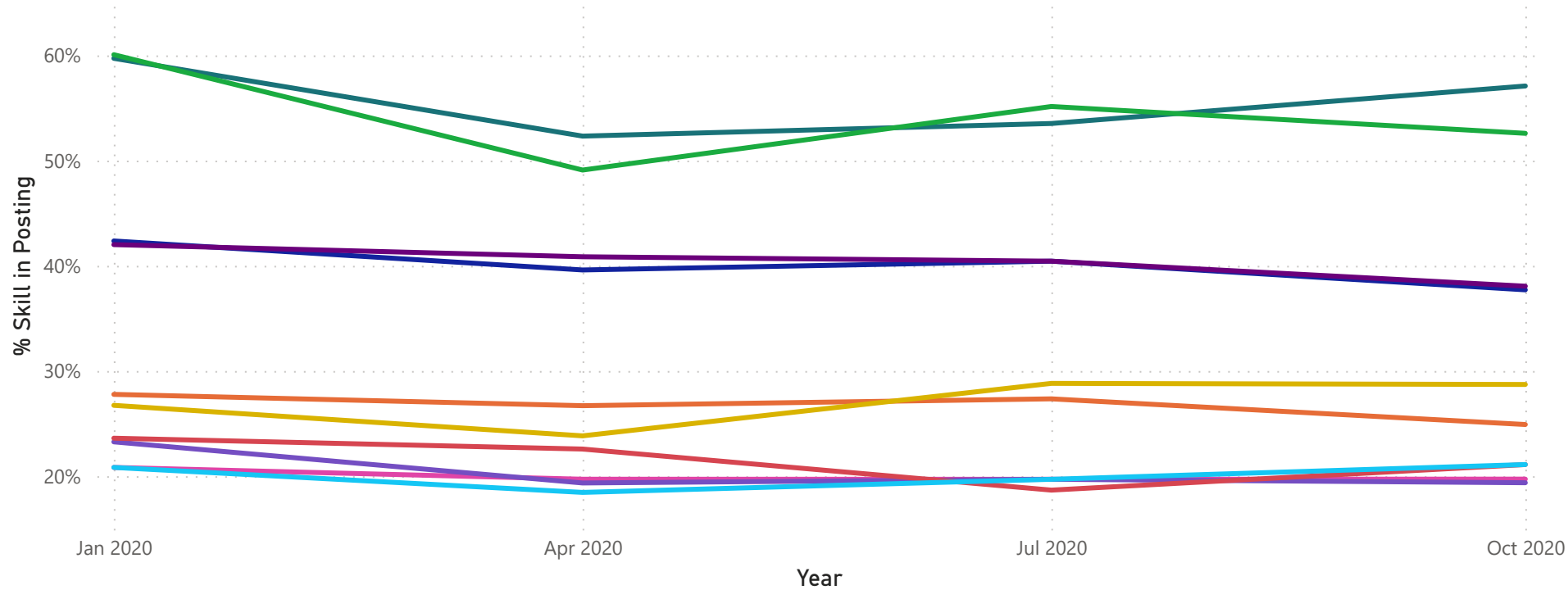- ☐ Research Scientist
- ☑ Software Engineer

Count of Job Posting ID by Year and Job Position Level

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

Count of Job Posting ID by Job Skills

Count of Job Posting ID by Job Skills (horizontal bar chart)

Job Skills (y-axis, top to bottom): 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

Count of Job Posting ID (x-axis): 0K, 1K, 2K, 3K, 4K

Job Title
- [ ] Business Analyst
- [ ] Data Analyst
- [ ] Data Architect
- [ ] Data Engineer
- [ ] Data Science Manager
- [ ] Data Scientist
- [ ] Machine Learning Engineer
- [ ] Research Scientist

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

Job Skills	Data Analyst	Data Engineer	Data Scientist	Machine Learning Engineer	Total
python	49.72%	53.58%	57.84%	73.44%	**54.71%**
sql	69.72%	55.05%	44.31%	18.75%	**53.66%**
cloud	12.22%	64.93%	18.43%	37.50%	**40.44%**
aws	6.11%	67.54%	15.49%	48.44%	**40.06%**
machine_learning	10.56%	17.71%	45.88%	95.31%	**26.94%**
azure	3.61%	48.81%	7.06%	12.50%	**26.83%**
programming	13.61%	25.20%	19.61%	17.19%	**21.05%**
etl	15.00%	32.24%	4.51%	6.25%	**20.11%**
database	25.00%	24.63%	9.80%	6.25%	**19.89%**
spark	4.17%	27.36%	16.67%	26.56%	**19.72%**
tableau	45.28%	10.22%	14.71%		**18.07%**
r	28.06%	3.86%	33.53%	23.44%	**17.69%**
agile	13.61%	18.73%	4.90%	15.63%	**13.72%**
snowflake	8.33%	21.34%	2.53%	12.50%	**13.44%**

% Skill in Posting by Year, Quarter and Job Skills

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

Job Skills
- [ ] agile
- [ ] agile/scrum
- [ ] ai
- [ ] ai/ml
- [ ] airflow
- [ ] ajax
- [ ] alteryx
- [ ] apache
- [ ] asp.net
- [ ] atlassian
- [ ] aurora
- [ ] aws

Job Title
- [▣] Select all
- [ ] Business Analyst
- [✓] Data Analyst
- [ ] Data Architect
- [✓] Data Engineer
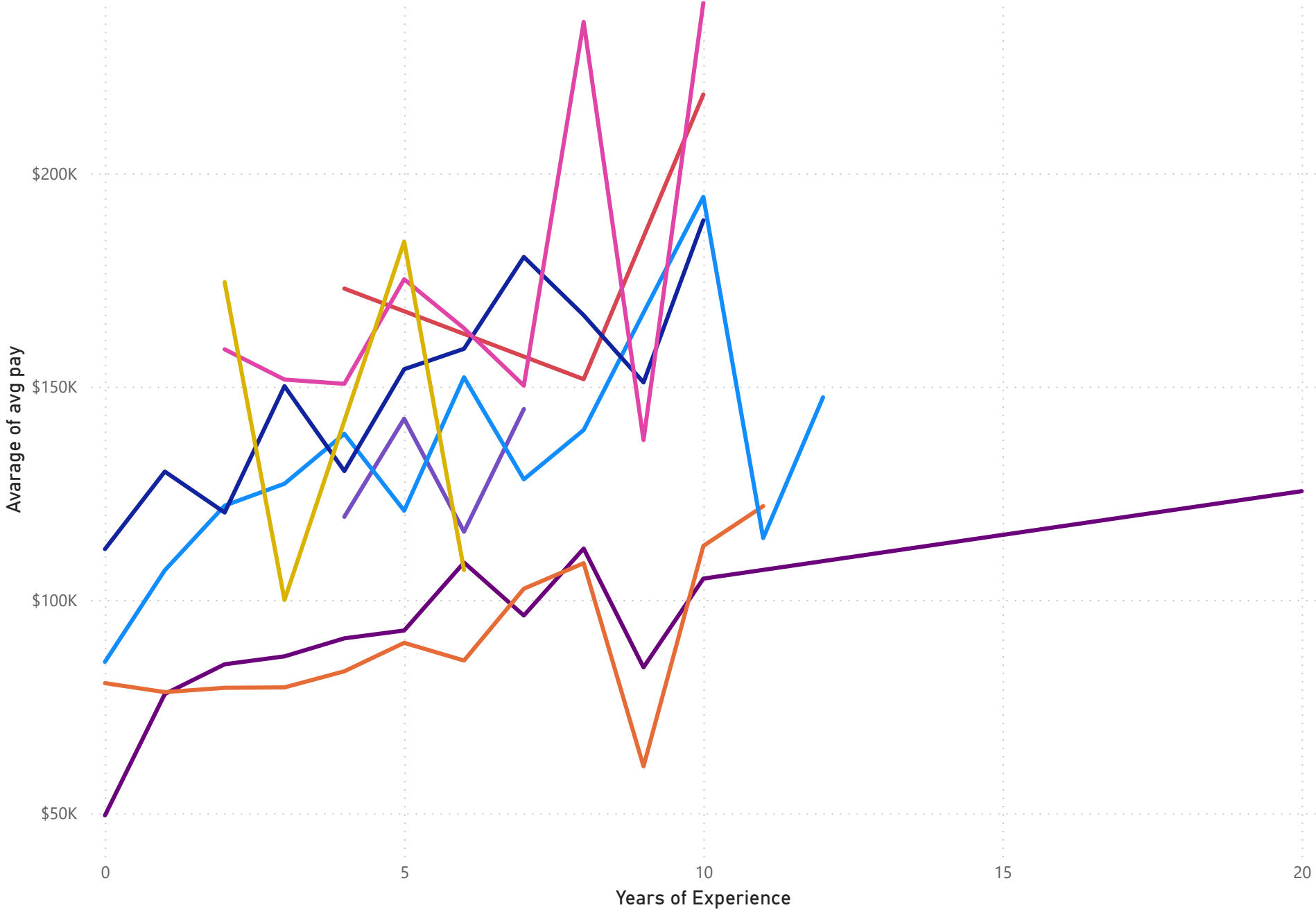- [ ] Data Science Manager
- [✓] Data Scientist
- [✓] Machine Learning Engineer
- [ ] Research Scientist
- [✓] Data Science Engineer

Avarage of avg pay by Years of Experience and Job Title

Job Title ● Business Analyst ● Data Analyst ● Data Architect ● Data Engineer ● Data Science Man... ● Data Scientist ● Machine Learnin... ● Research Scie...

Average of Years of Experience and Posting Count by Job Position Level and Company Industry

Job Position Level ● Associate ● Director ● Entry level ● Executive ● Internship ● Mid-Senior level
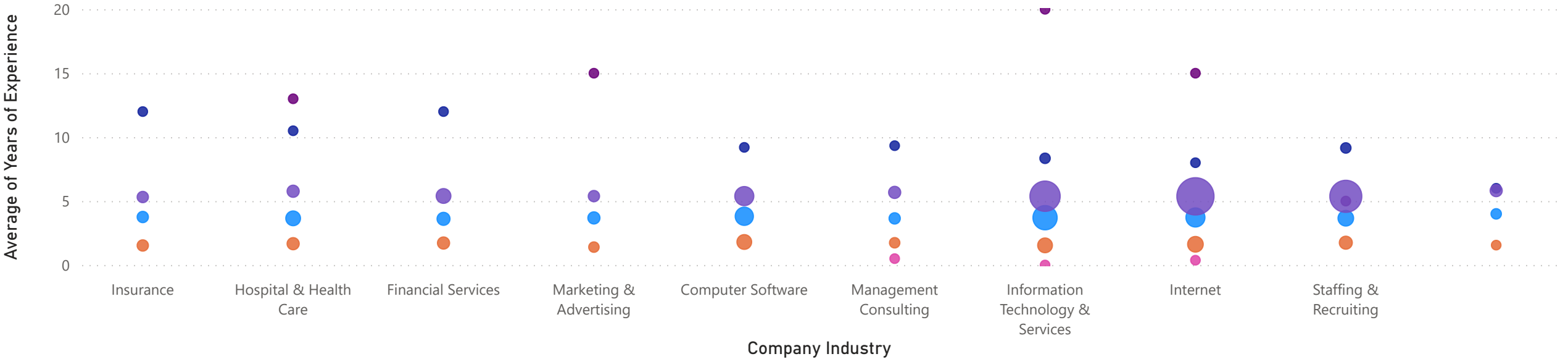
Job Title	Company Name	Posting Count
Data Scientist	Toptal	673
Data Scientist	Jobot	97
Data Scientist	Harnham	40
Data Scientist	Mozilla	32
Data Scientist	Netskope	19
Data Scientist	Dice	18
Data Scientist	Vacasa	17
Data Scientist	WW	17
Data Scientist	ZipRecruiter	16
Data Scientist	Kraken Digital Asset Exchange	14
Data Scientist	Genesys	12
Data Scientist	NextRoll	12
Data Scientist	Tiger Analytics	12
Data Scientist	Shopify	11
Data Scientist	Credit Sesame	10
Data Scientist	DataRobot	10
Total		**1999**

Count of Job Posting ID by Company Size