DATASEARCH

Data Science Job Market Insights

Select a dashboard to view

Jobs

Skills

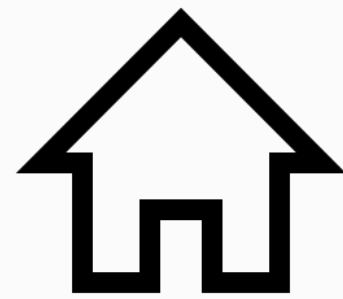Company

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

Jobs Overview

9556
Posting Count

4.49
Average Years Experience

🏠 Home

Treemap — Job Titles and Skills:

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

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

Business Analyst: agile, micros..., sql, cloud, excel

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

Machin...: a...

Data ...

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

Area chart — Job Posting Count (Y axis) vs year (X axis: 2017, 2018, 2019, 2020, 2021), Y axis 0K–3K

Bar chart — Average of Years of Experien... (Y axis 0–20) vs Job Position Level (X axis: Executive, Director, Mid-Senior level, Associate, Entry level, Internship)

Data Science Job Market Insights
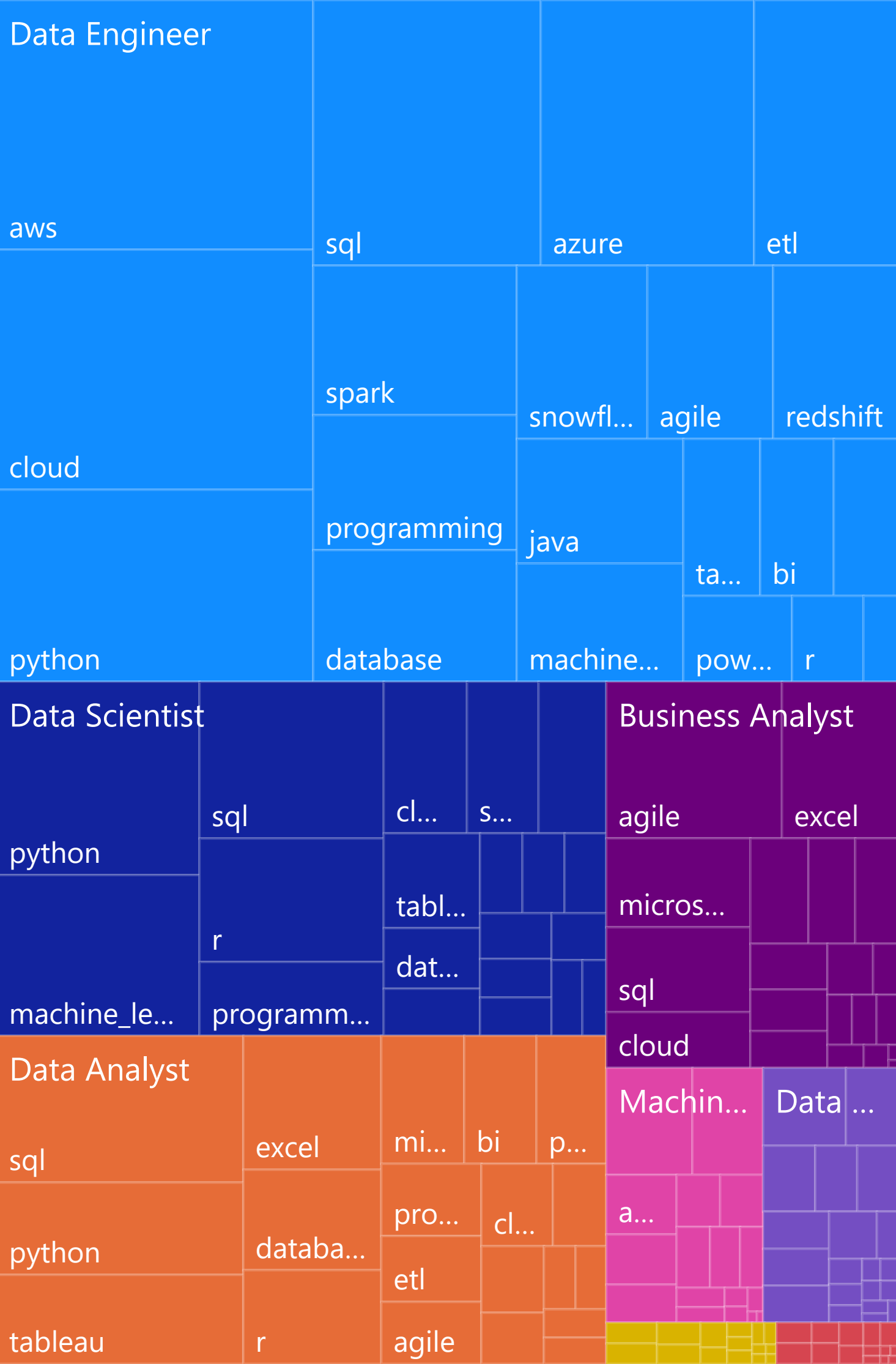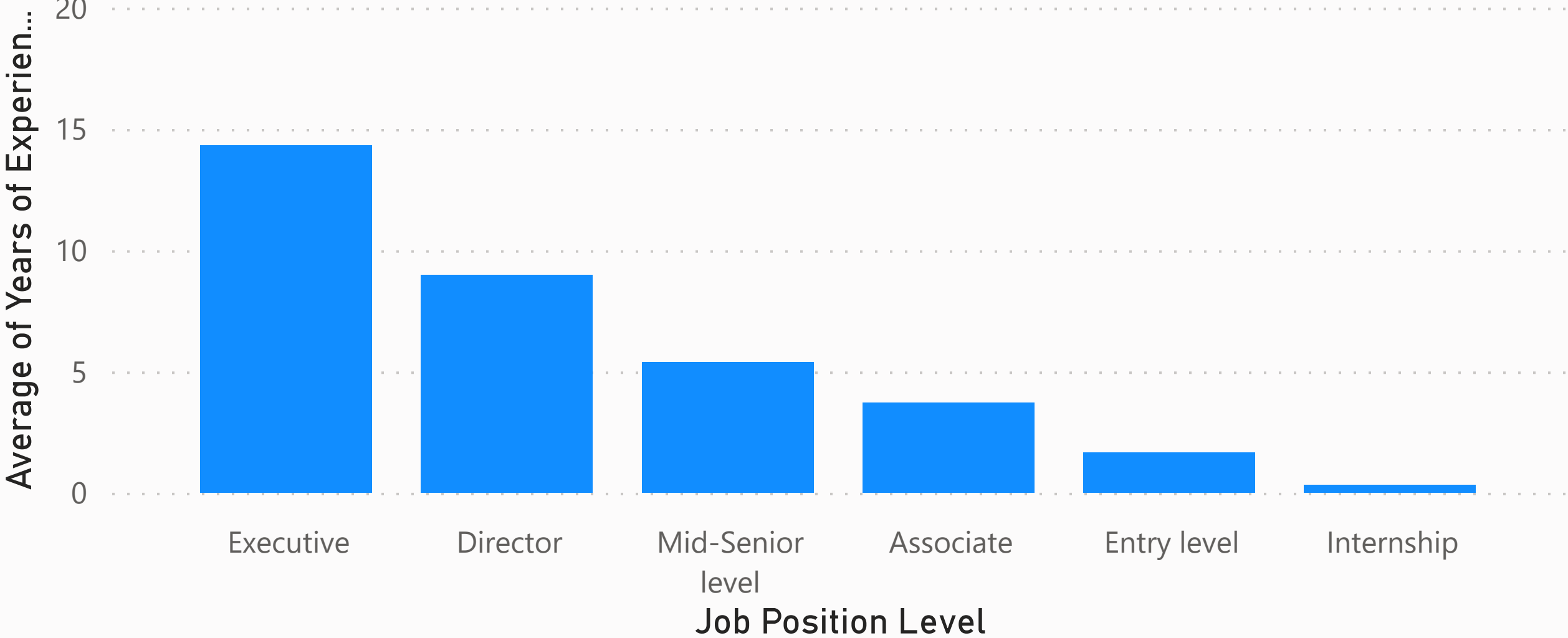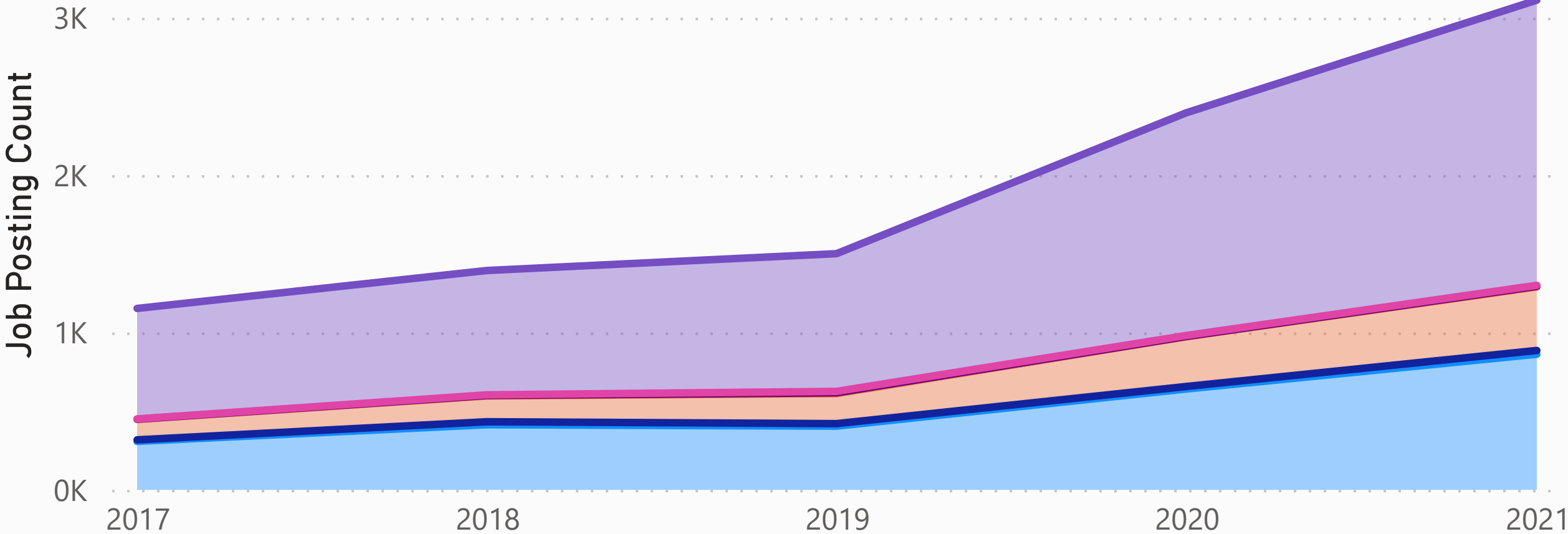
Skills Overview

166
Distinct Count of Skills

8561
Job Postings with Skills

Home

Job Title
All	⌄

Job Position Level
All	⌄

Company Name
All	⌄

Company Size
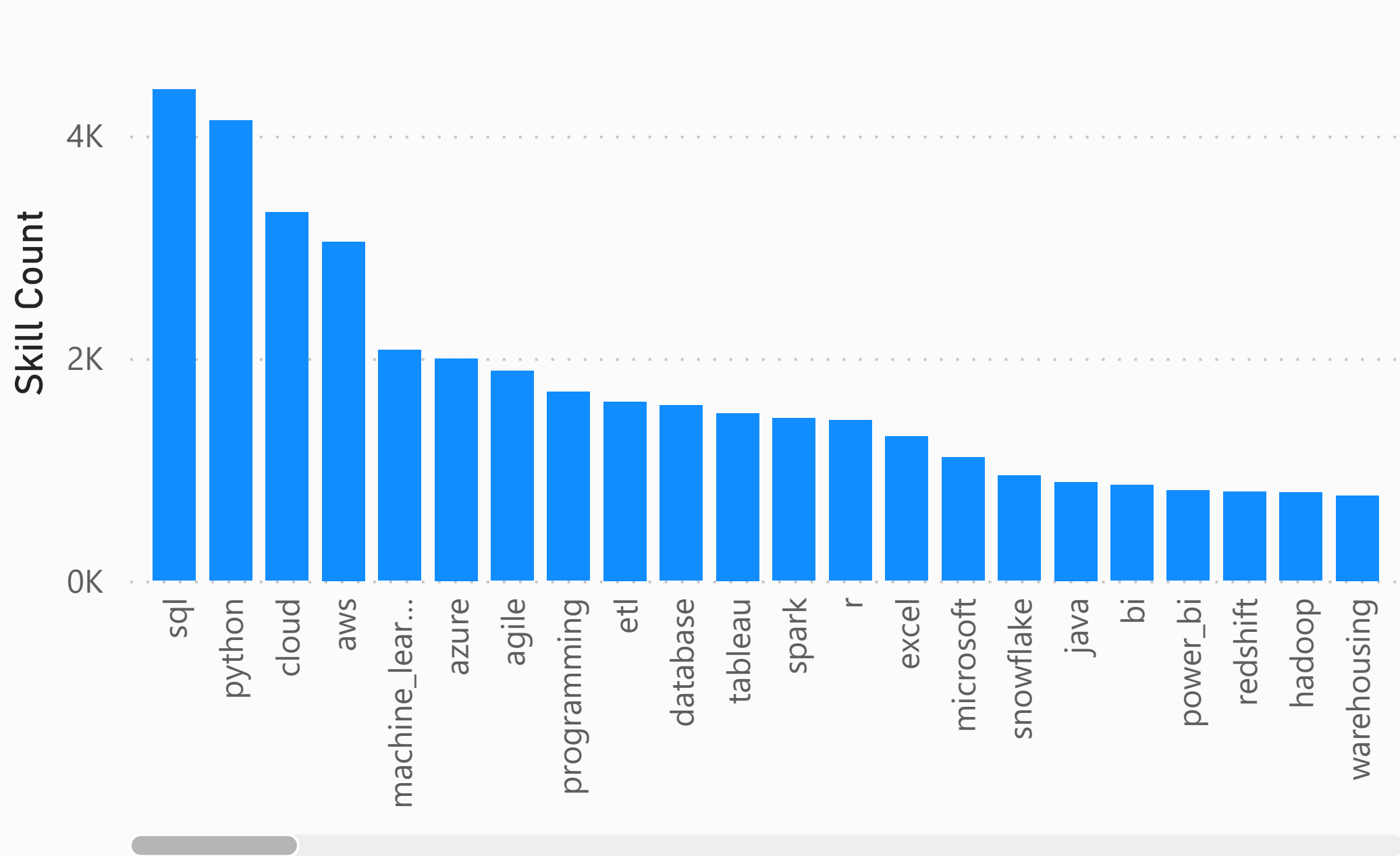| All	⌄

Company Industry
All	⌄

Job Posting Date
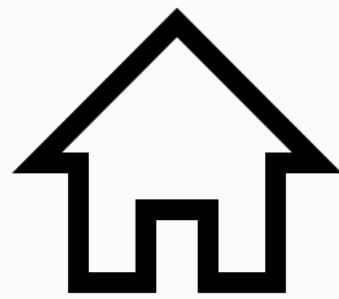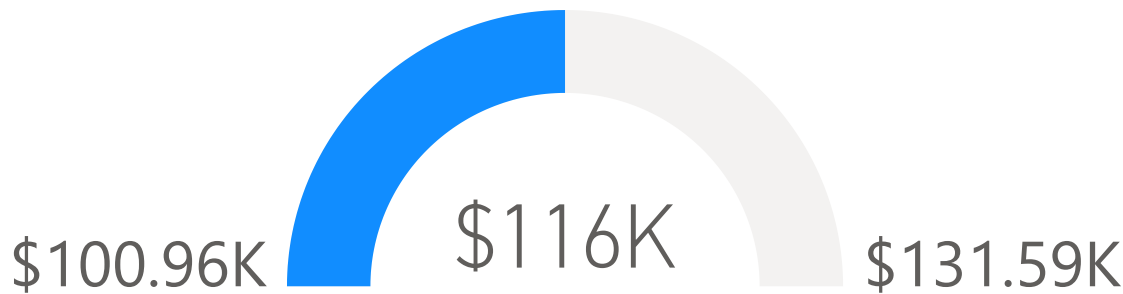| 1/1/2017	12/31/2021
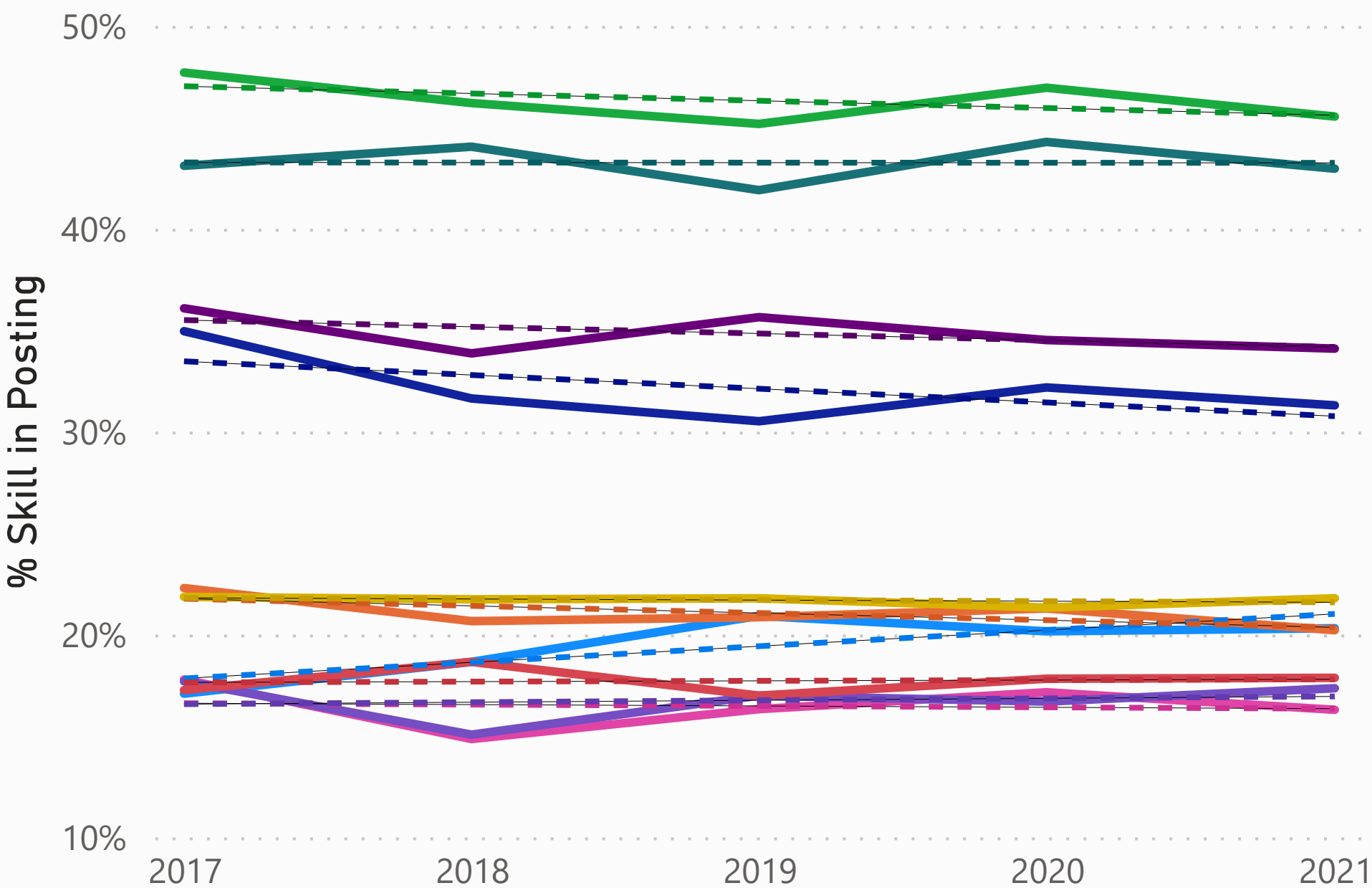
Percentage a Skill Included in Job Posting

Job Skills	Business Analyst	Data Analyst	Data Architect	Data Engineer	Data Science Manager	Data Scientist	Machine Learning Engineer	Research 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%	

Data Science Job Market Insights

Company Overview

Average of Average Pay, Average of Minimum Pay and Average of Maximum Pay

$100.96K $116K $131.59K

Home

Job Title

All

Job Position Level

All

Company Name

All

Company Size

All

Company Industry

All

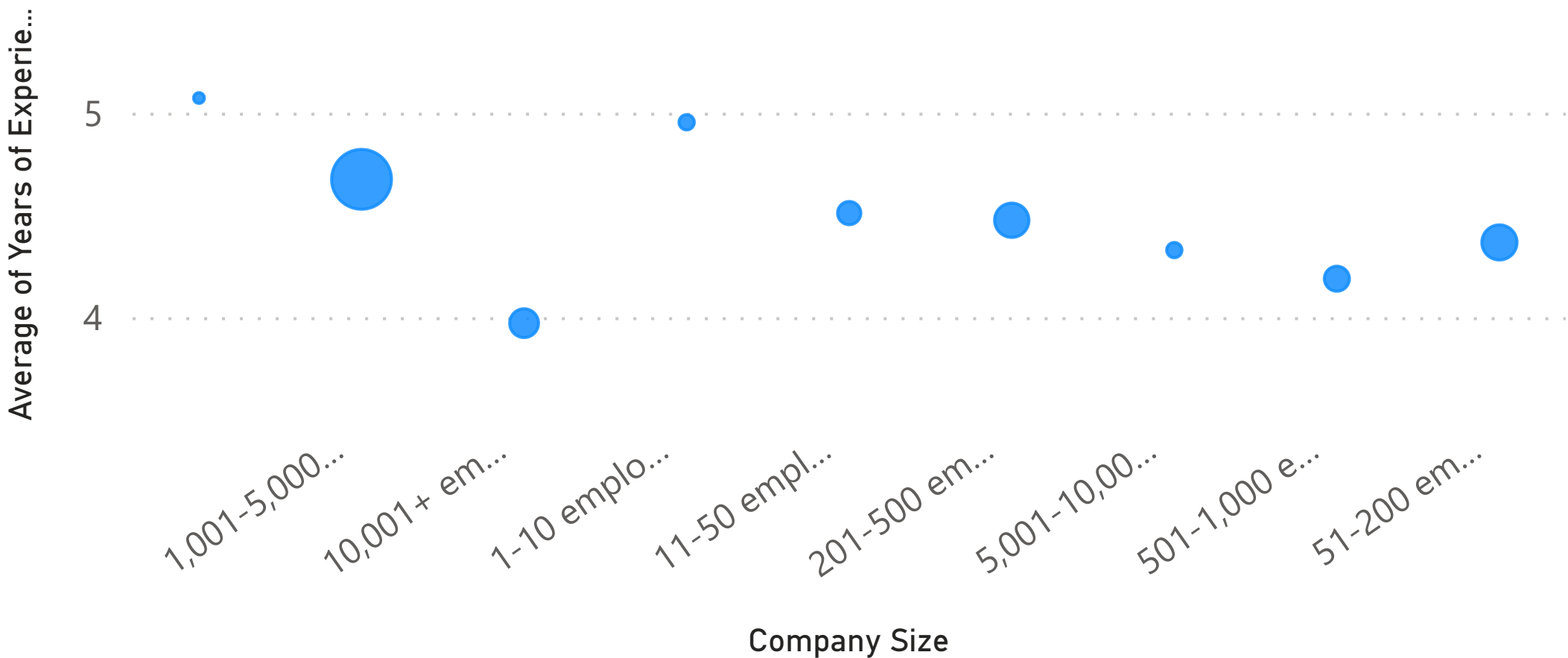### Job Posting Date

1/1/2017   12/31/2021

Job 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
Total		**9556**
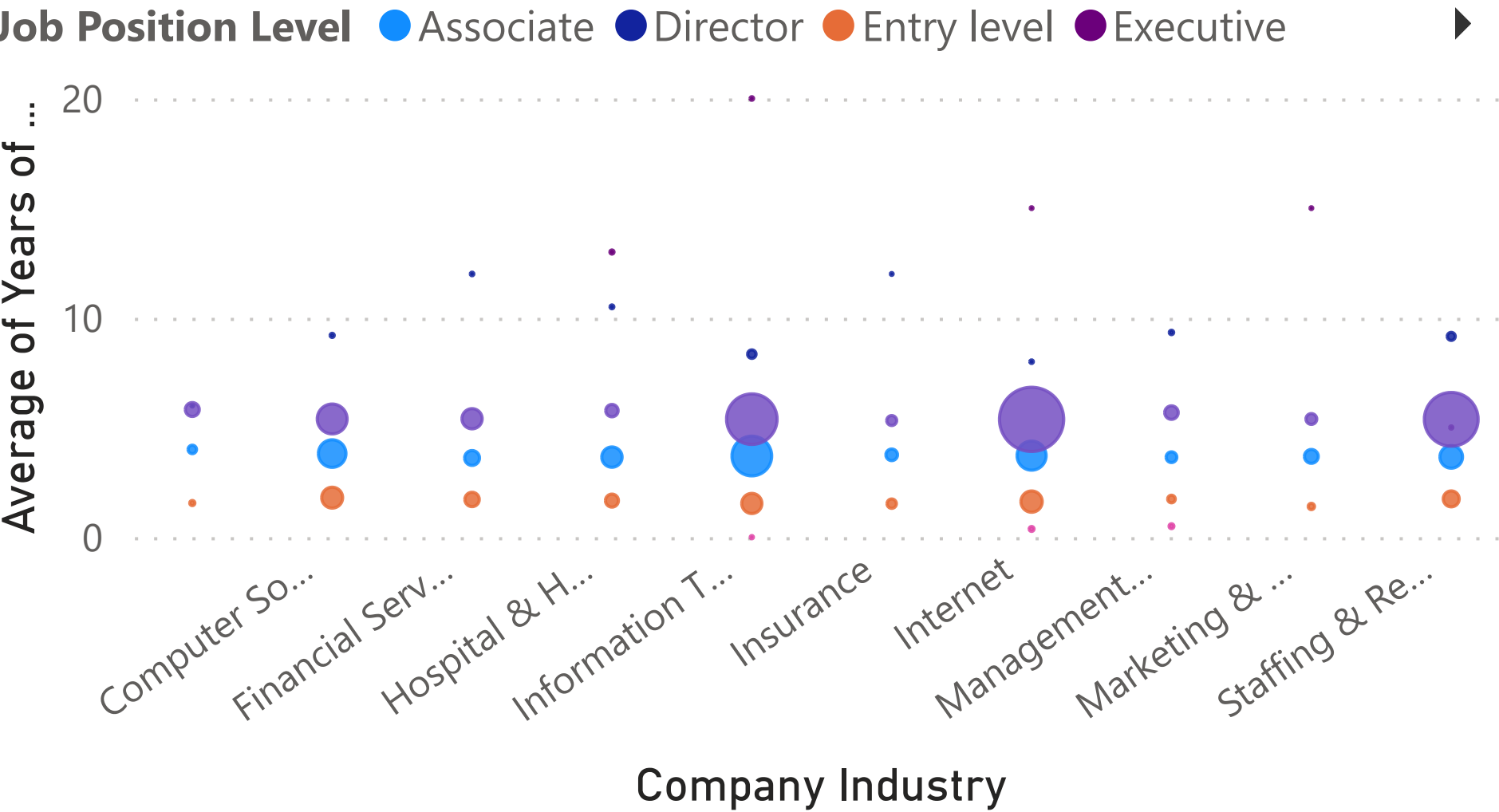
Average of Years of Experience and Posting Count by Company Size

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

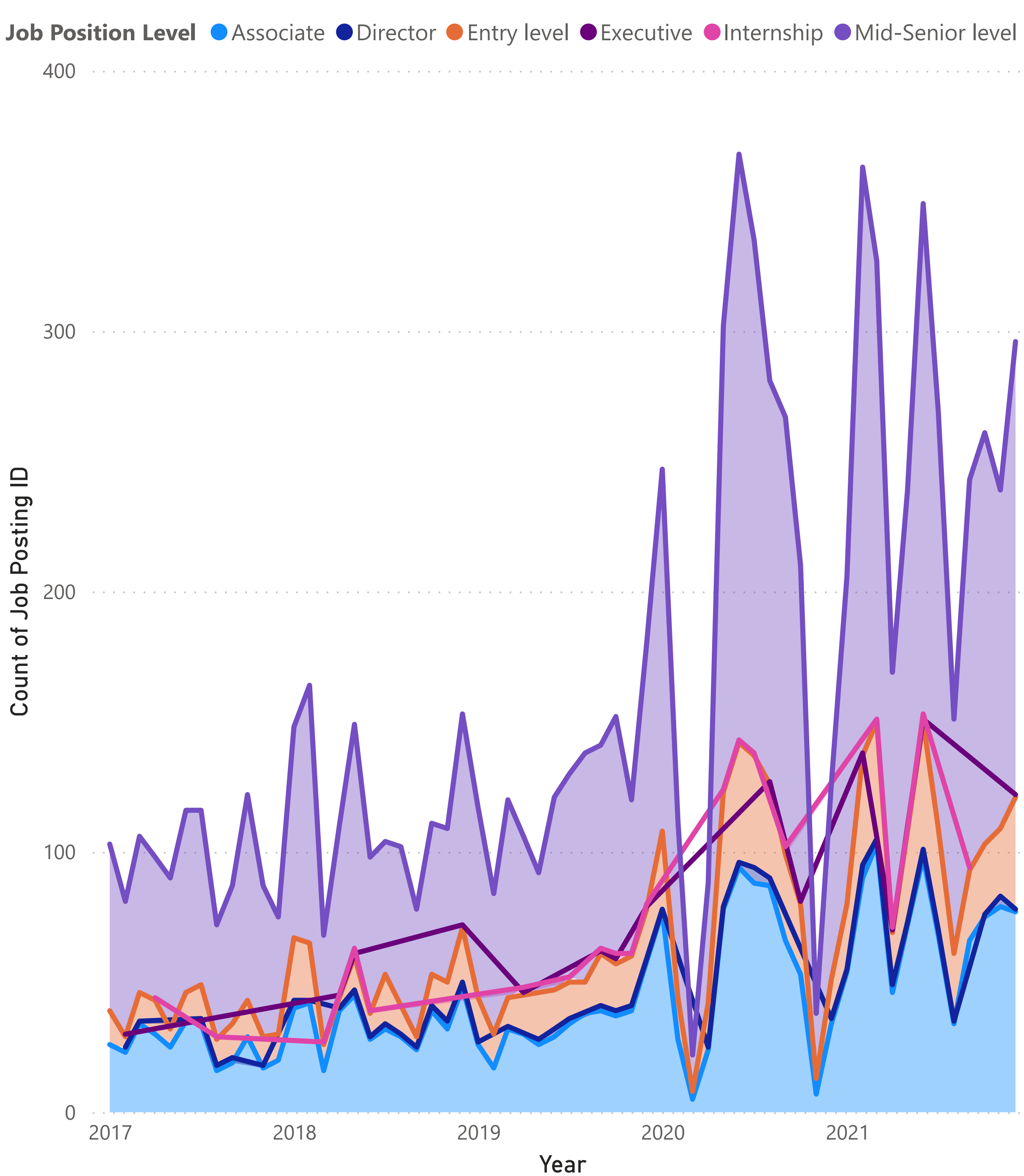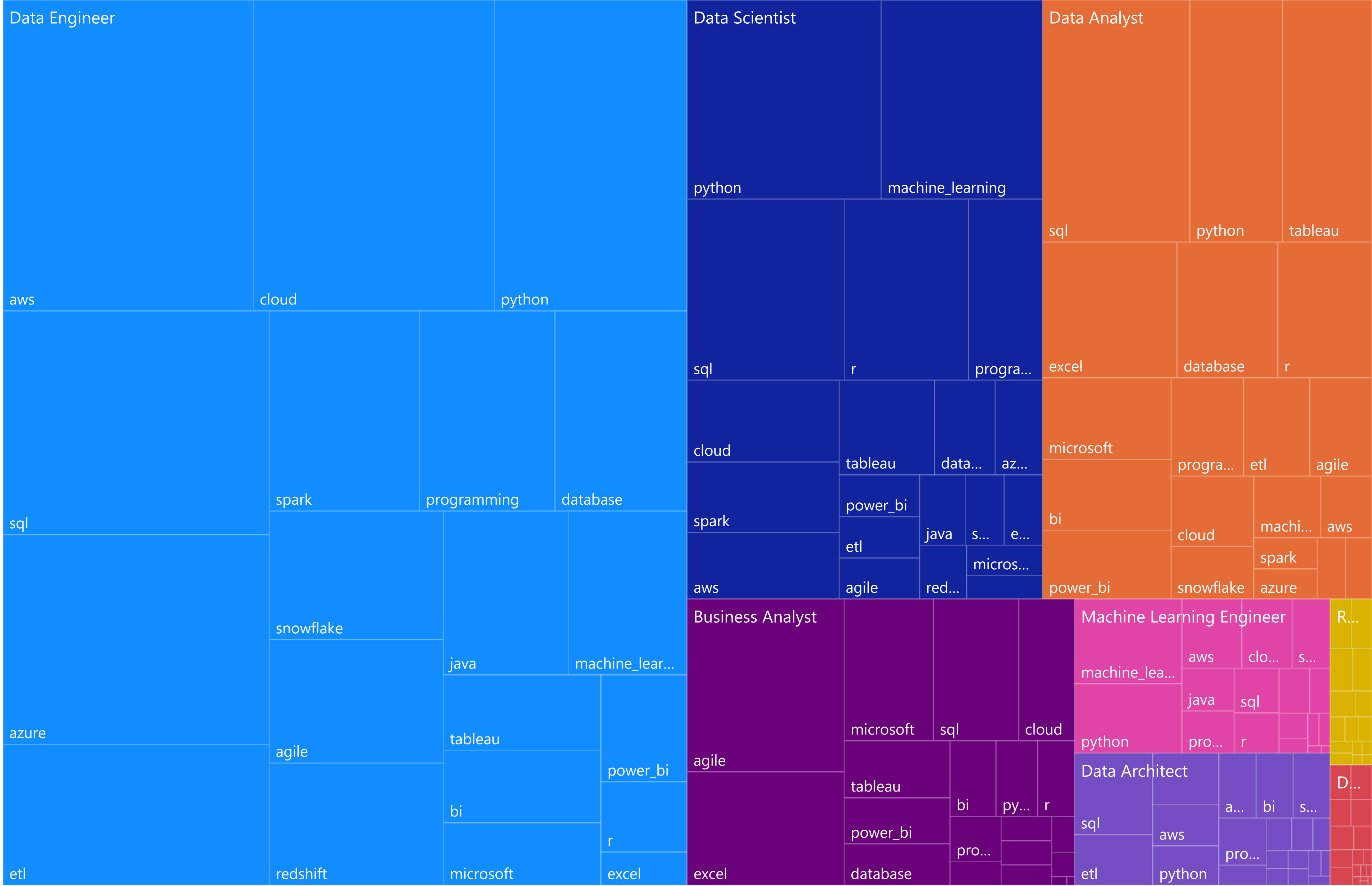**Average of Years of Experience and Posting Count by Company Industry**
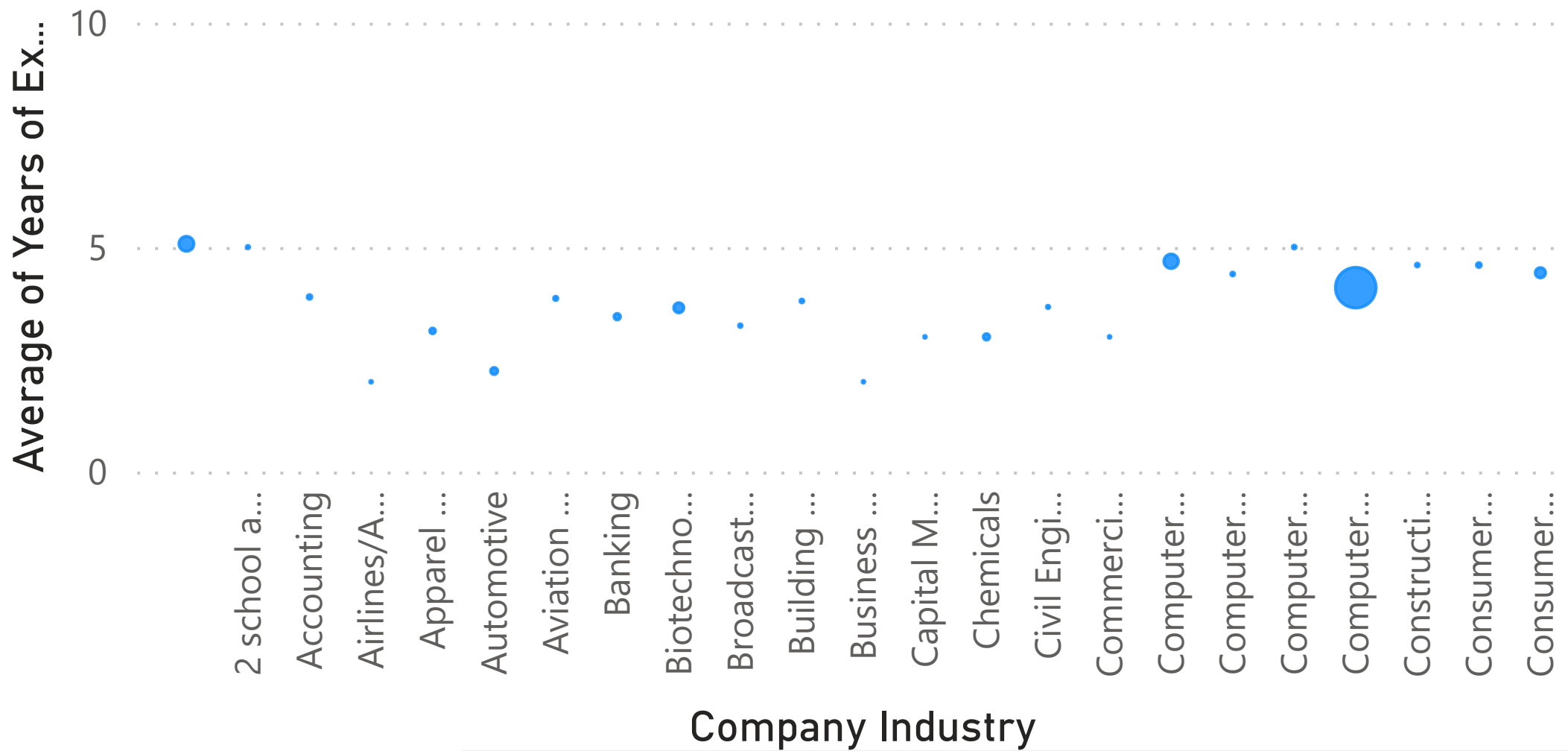
Average of Years of Experience by Job Position Level
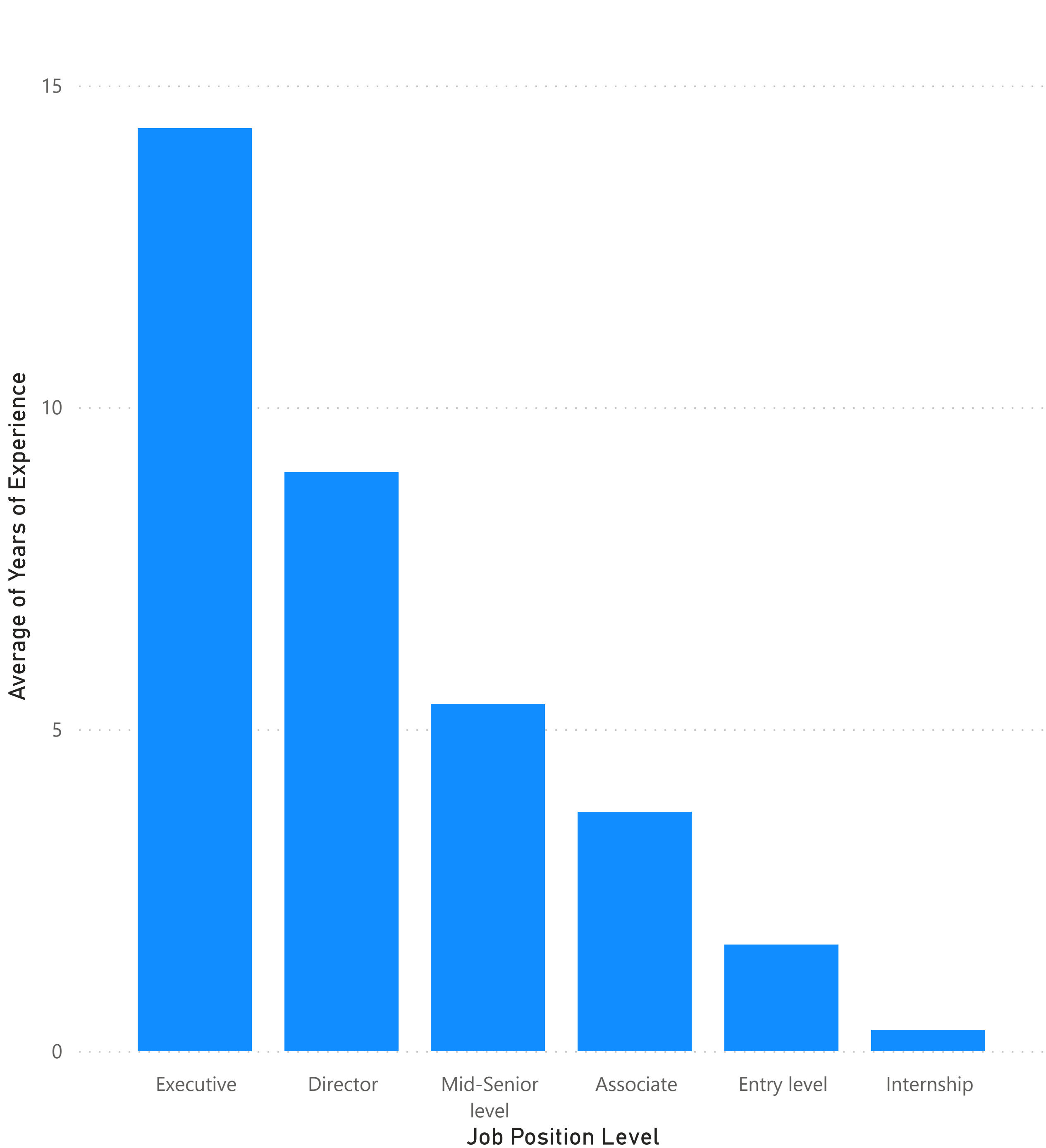
Count of Job Posting ID by Year, Quarter, Month and Job Position Level

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

snowflake | java | machine_lear...

azure | agile | tableau | power_bi

bi | r

etl | 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

snowflake | spark | azure

power_bi

Business Analyst

agile | microsoft | sql | cloud

tableau | bi | py... | r

power_bi | pro...

excel | database

Machine Learning Engineer

machine_lea... | aws | clo... | s...

java | sql

python | pro... | r

R...

Data Architect

sql | a... | bi | s...

aws | D...

etl | python | pro...

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
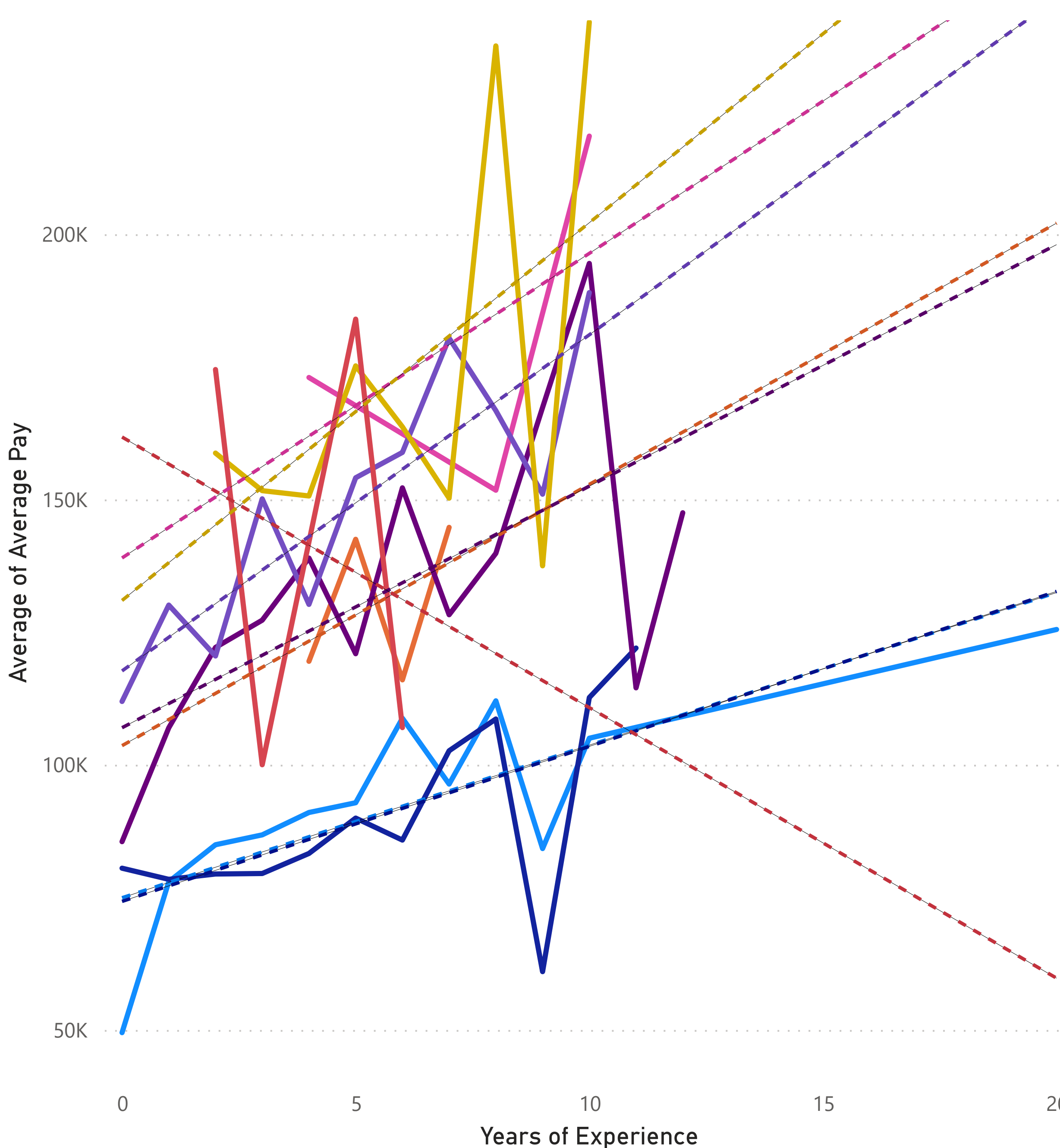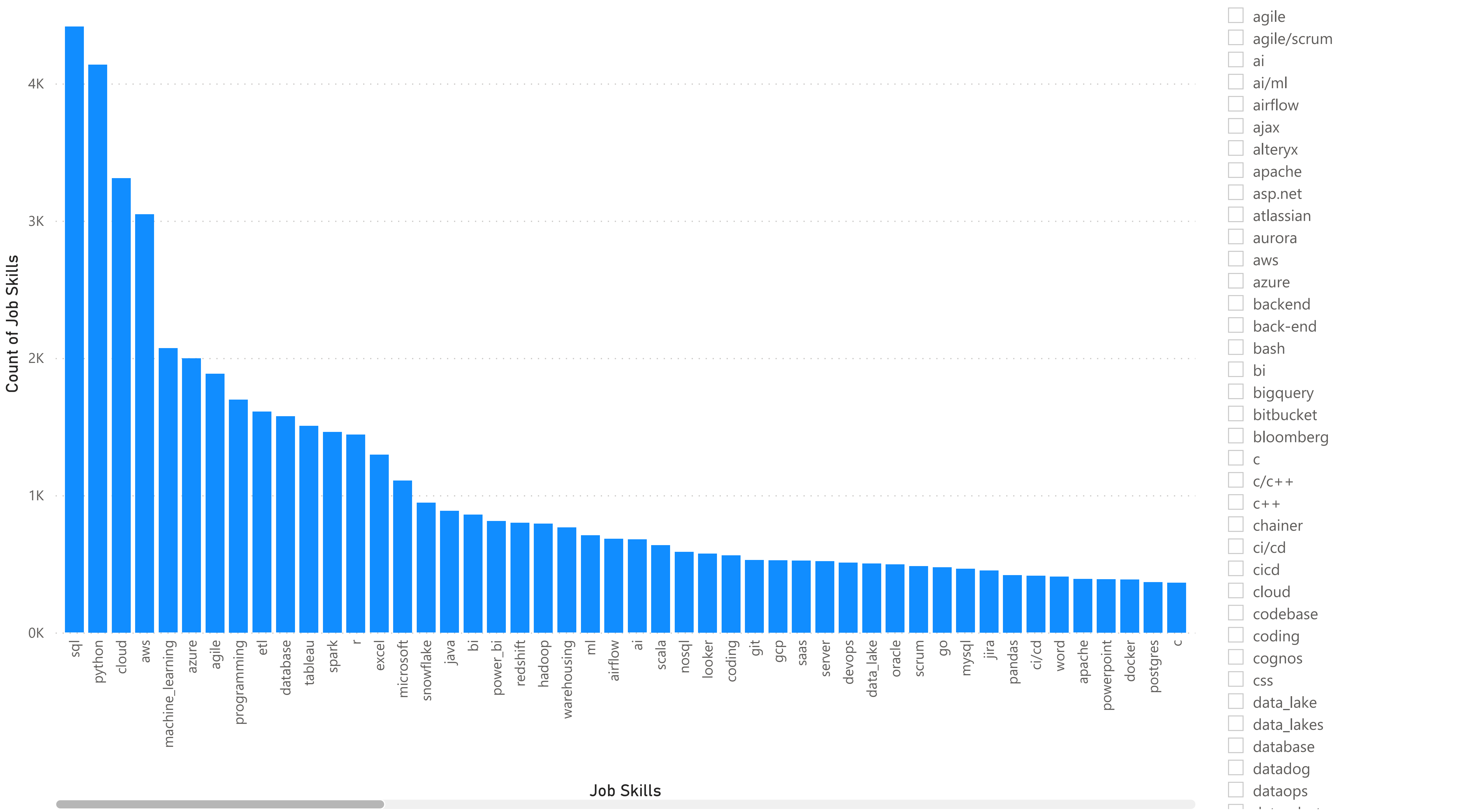- [ ] backend
- [ ] back-end
- [ ] bash

Average of Average Pay by Years of Experience and Job Title

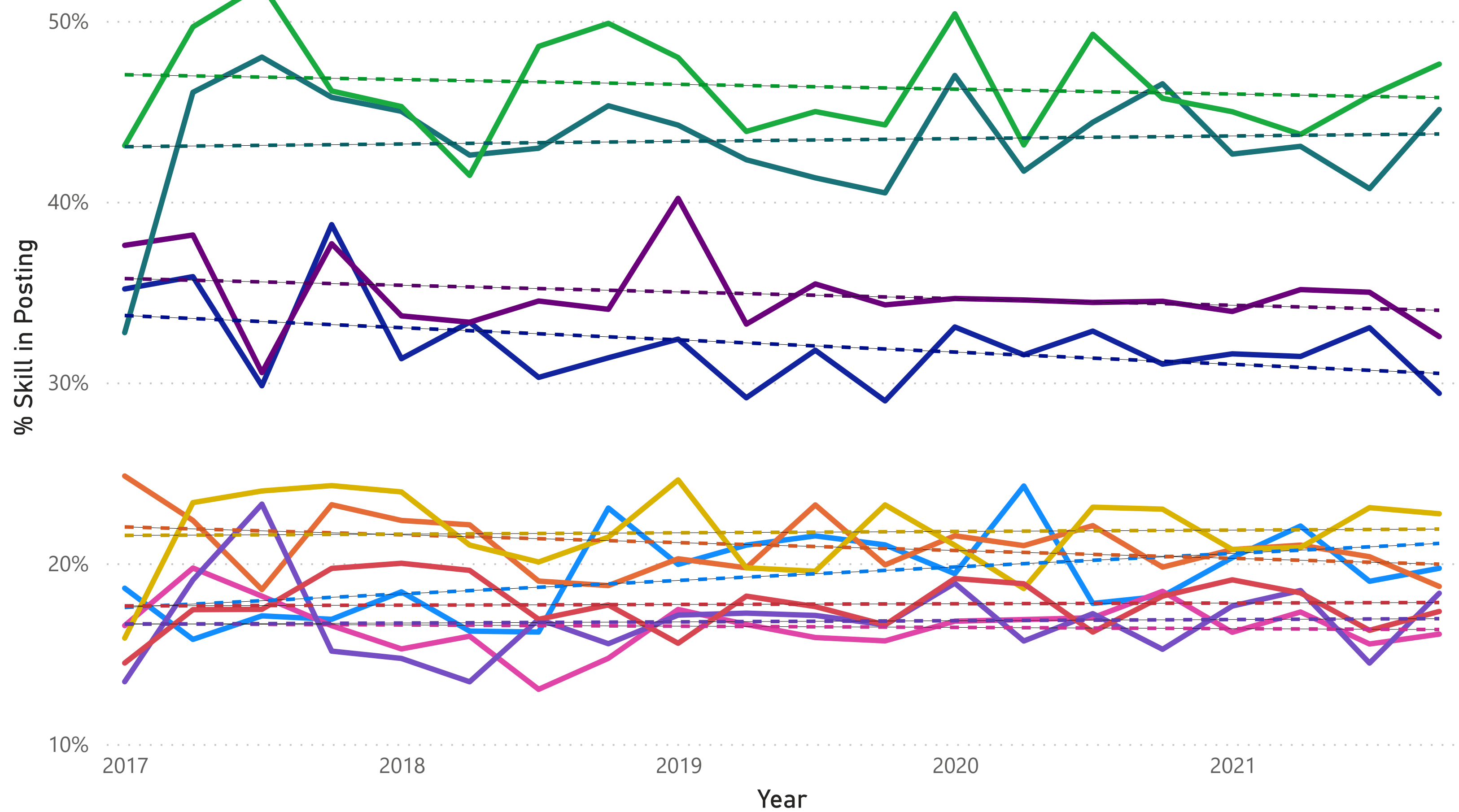**Job Title** ● Business... ● Data An... ● Data Ar... ● Data En... ● Data Sci... ● Data Sci... ● Machine... ▶

Count of Job Skills by Job Skills

Chart showing Count of Job Skills (y-axis, 0K to 4K) by Job Skills (x-axis): 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 (panel 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

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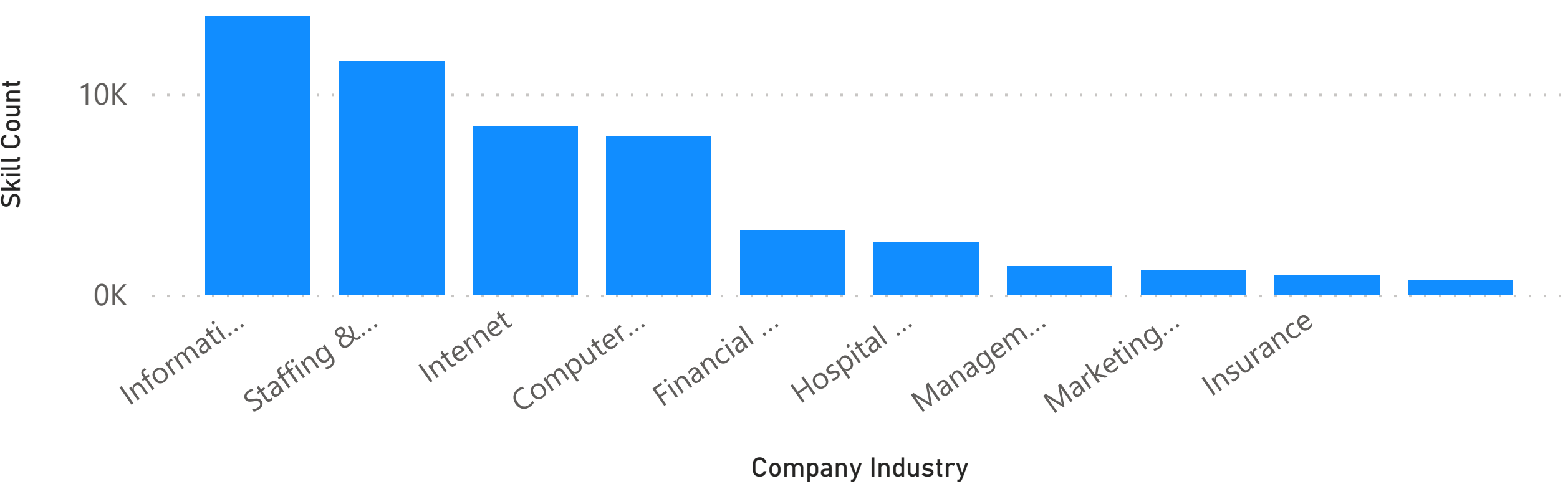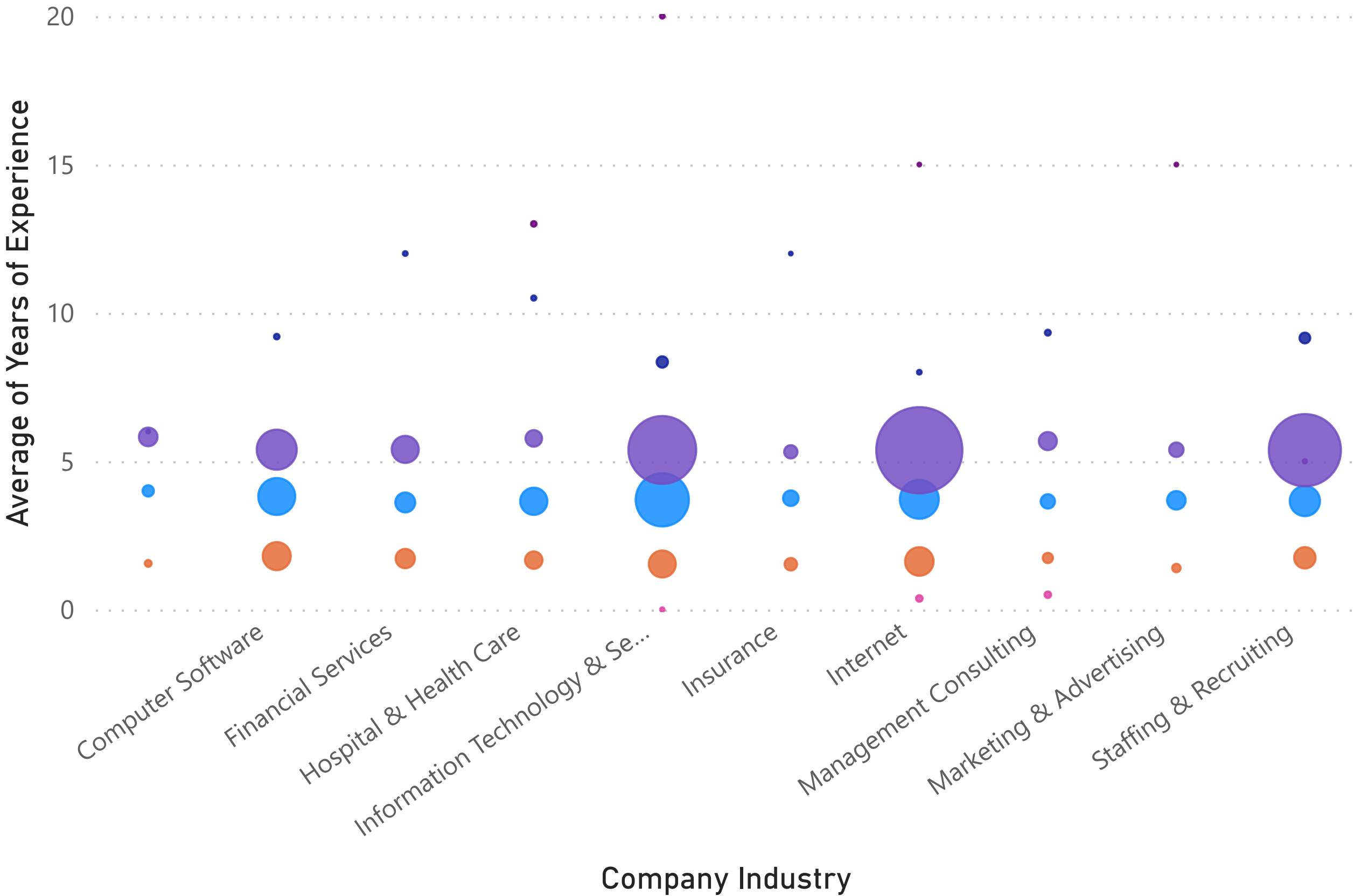- ☐ Machine Learning Engineer

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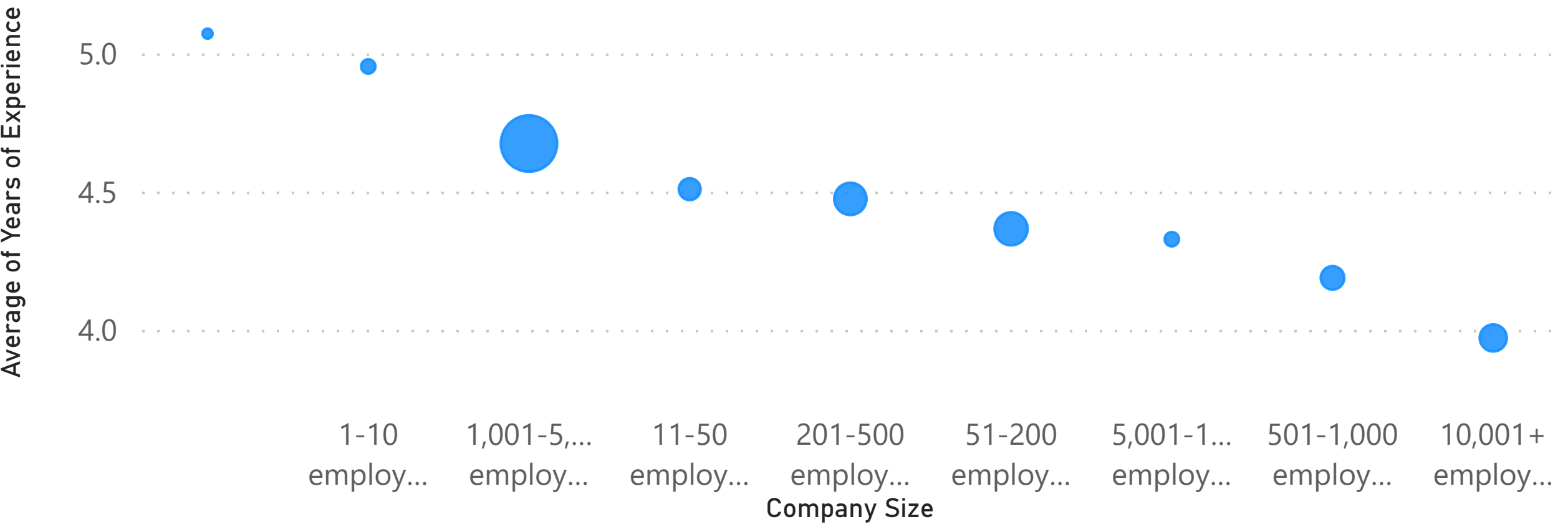- ☐ agile/scrum
- ☐ ai
- ☐ ai/ml
- ☐ airflow
- ☐ ajax
- ☐ alteryx

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azure	1.84%	3.91%	11.63%	
agile	41.11%	12.53%	34.42%	
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%	

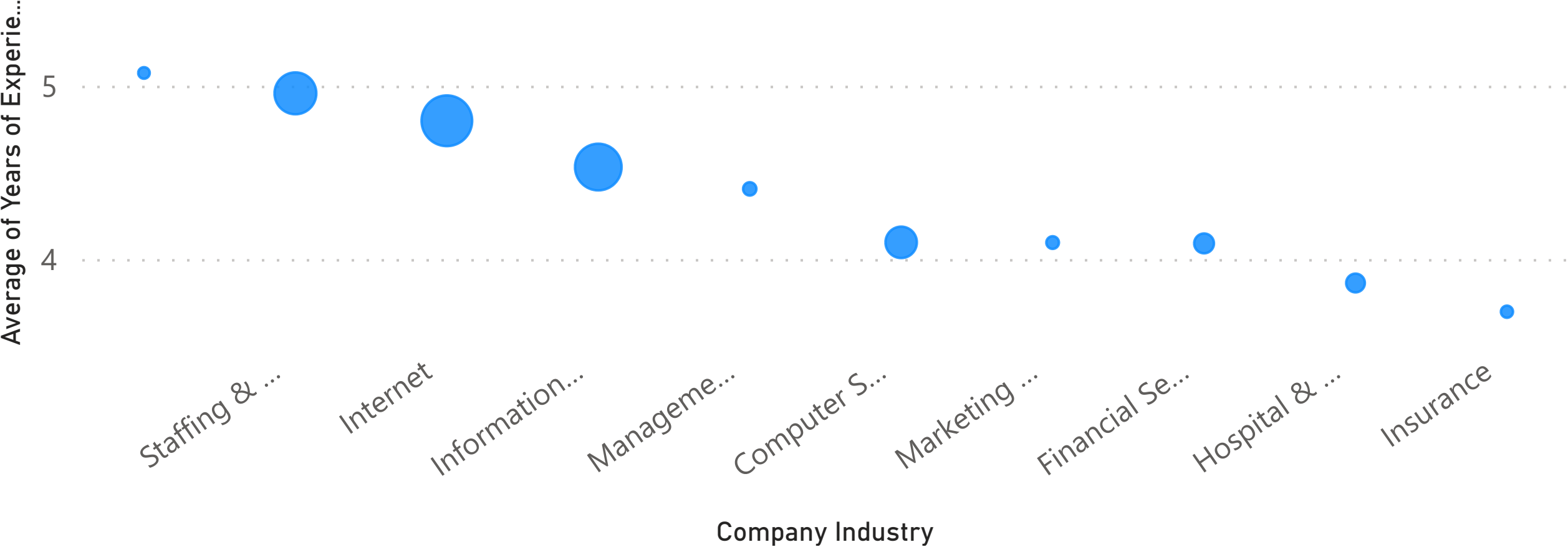# Average of Years of Experience, Posting Count and Posting Count by Job Position Level and Company Industry

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

Average of Years of Experience (y-axis) by Company Industry (x-axis): Computer Software, Financial Services, Hospital & Health Care, Information Technology & Se..., Insurance, Internet, Management Consulting, Marketing & Advertising, Staffing & Recruiting

Company Industry

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 by Company Industry: Informati..., Staffing &..., Internet, Computer..., Financial..., Hospital..., Managem..., Marketing..., Insurance

Average of Years of Experience and Posting Count by Company Size

Company Size: 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

Company Industry: Staffing &..., Internet, Information..., Manageme..., Computer S..., Marketing..., Financial Se..., Hospital &..., Insurance