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
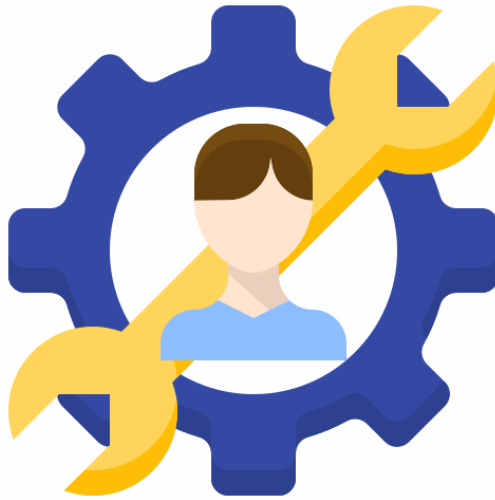
Data Science Job Market Insights
Jobs Overview

9556
Count of Job Posting ID

4.49
Average of Years of Ex...

Home

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

Data Engineer
aws | cloud | python
sql | spark | progra... | database
| snowflake |
| java | machi... |
azure | agile | tableau | m... | p...
etl | redshift | bi | r

Data Scientist
python | mach...
sql | r
pro... | clo... | sp...
aws
tableau
datab...

Data Analyst
sql
| excel | dat... | r
| micro... |
python | bi | cloud
tableau | powe...

Business Analyst
agile | sql | cl...
| | ta... |
excel | bi
microsoft
Machine Learning Engi... | Rese...

Average of Years of Experience by Job Position Level

(area chart) Job Posing Count vs Year (2017–2021)

(bar chart) Executive, Director, Mid-Senior level, Associate, Entry level, Internship

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
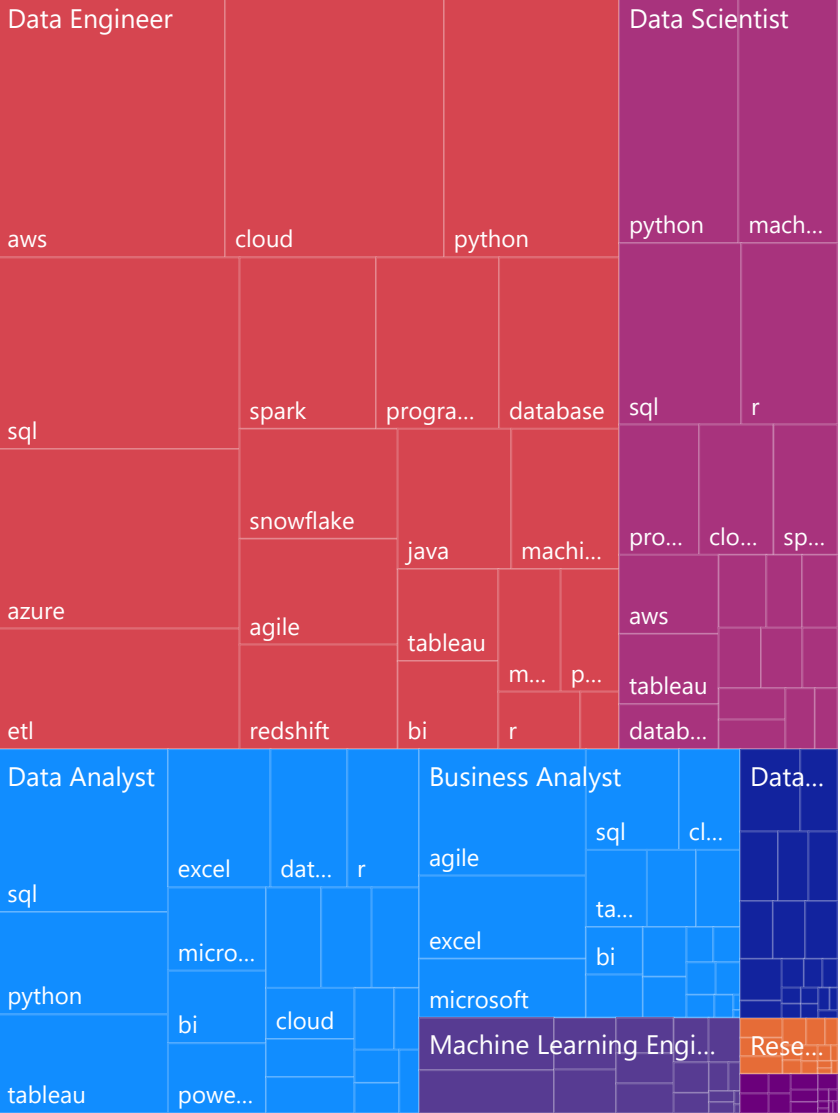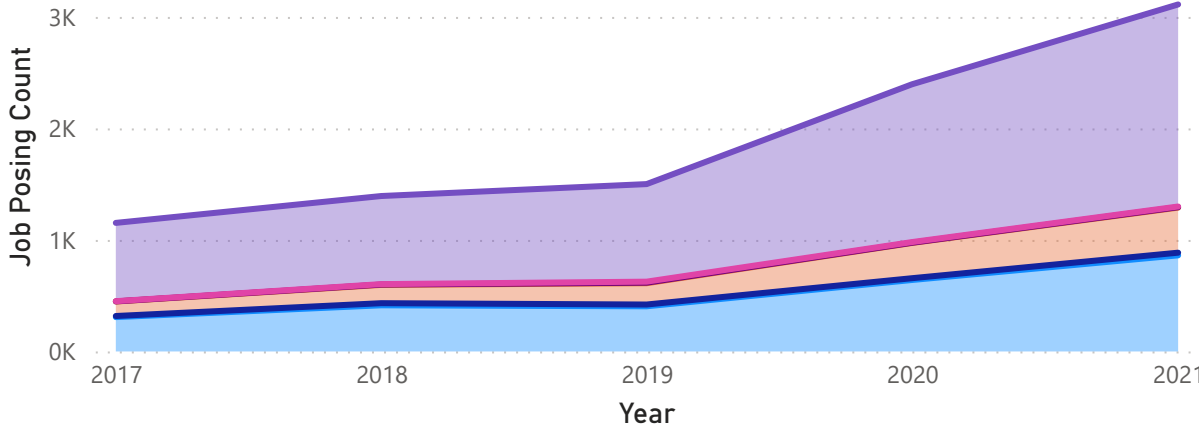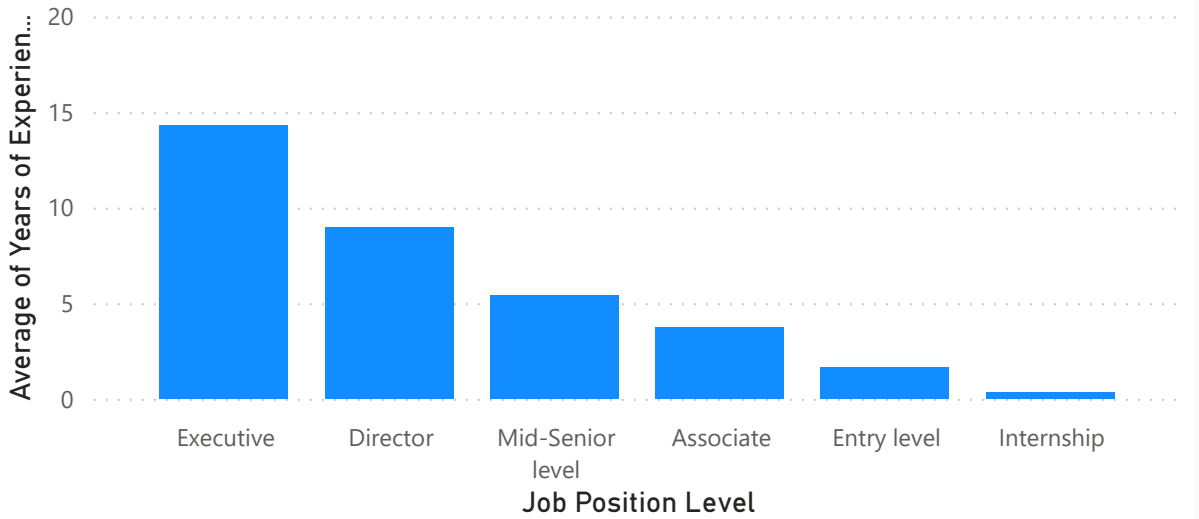
Skills Overview

166
Distinct Count of Skills

8561
Job Posting with Skills

🏠 Home

Count of Job Posting ID by Job Skills
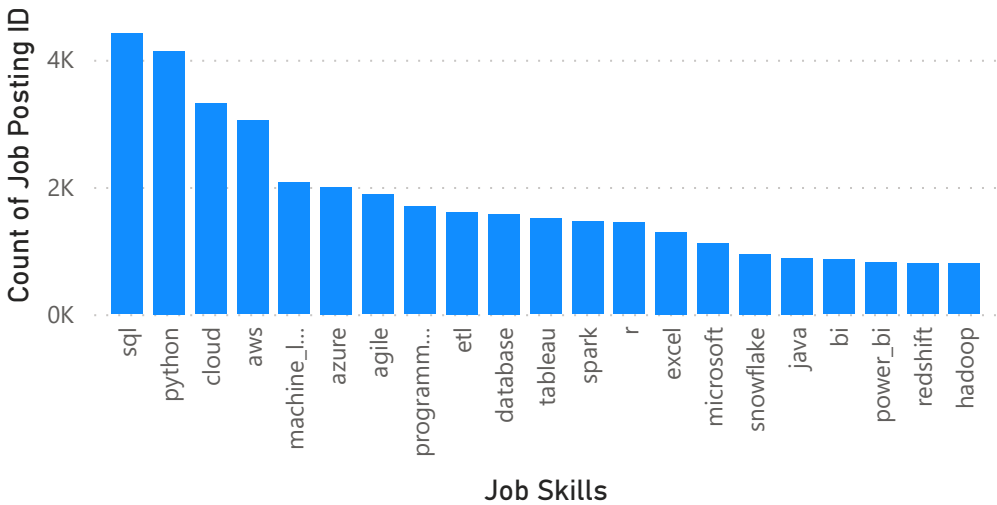
% Skill in Posting by Year and Job Skills
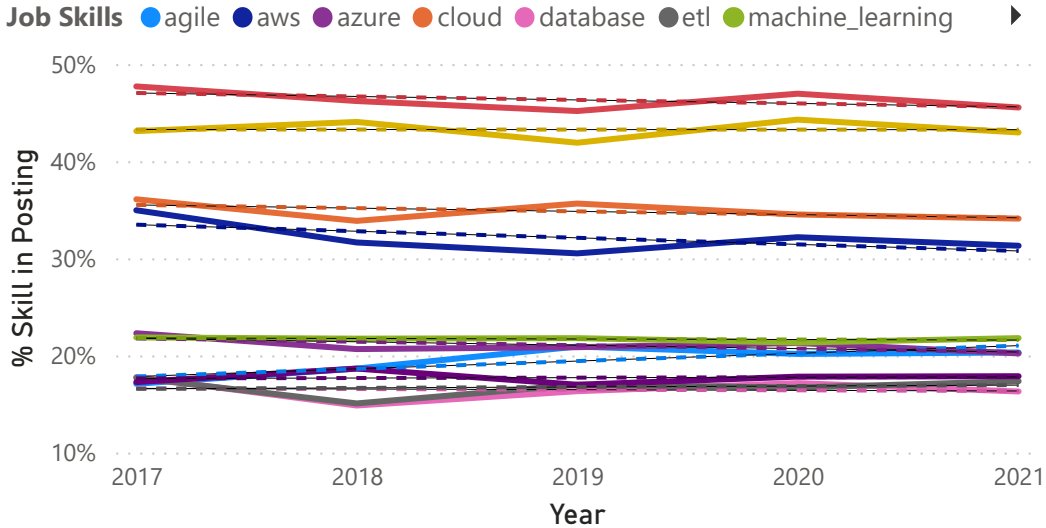
Job Skills ● agile ● aws ● azure ● cloud ● database ● etl ● machine_learning ▶

Job Skills	Business Analyst	Data Analyst	Data Architect	Data Engineer	Data Science Manager	Data Scientist	Machine Learning Engineer	Research Scientist	Tot⌃
agile	41.11%	12.53%	34.42%	18.89%		5.00%	14.84%	5.00%	19
agile/scrum	1.74%	0.07%		0.92%		0.30%	1.06%		0
ai	3.09%	4.11%	3.26%	5.05%	26.09%	13.46%	28.27%	22.50%	7
ai/ml	0.15%	0.20%	0.47%	0.75%	8.70%	2.85%	9.89%		1
airflow		2.63%	28.37%	14.30%		2.80%	11.66%		7
ajax	0.05%	0.07%							0
alteryx	0.45%	1.55%	0.47%	0.66%		0.40%			0
apache	0.05%	0.61%	29.30%	7.68%	4.35%	1.60%	6.36%		4
asp.net	0.05%	0.34%		0.14%					0
atlassian	0.80%	0.27%		0.26%		0.10%			0
Total	**295.07%**	**614.41%**	**913.49%**	**879.09%**	**1004.35%**	**530.07%**	**878.09%**	**458.75%**	**639⌄**

DATA SEARCH

Company Overview

Average Pay

100.96K $116K   131.59K

Home

Filters

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
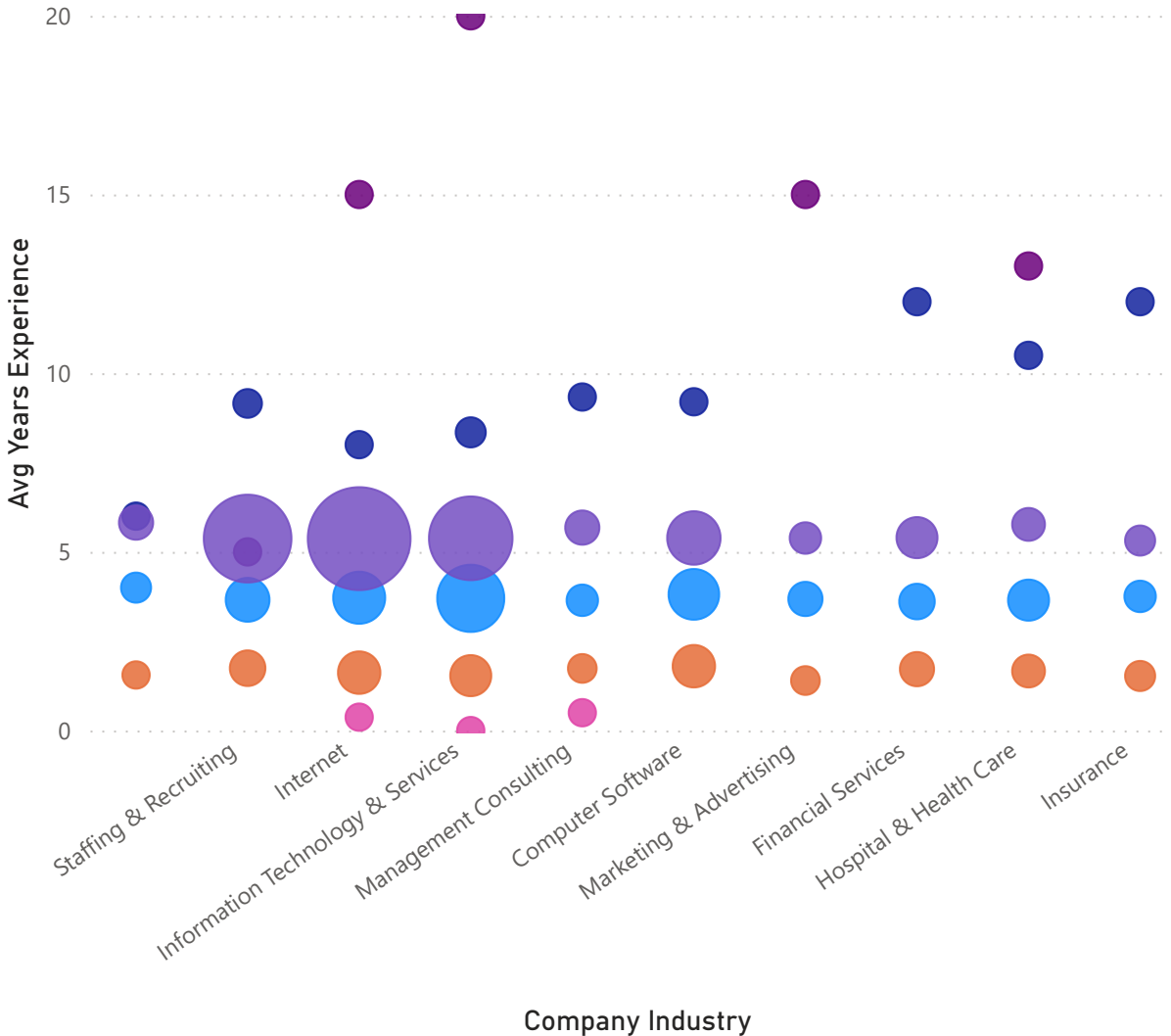
Job Position Level

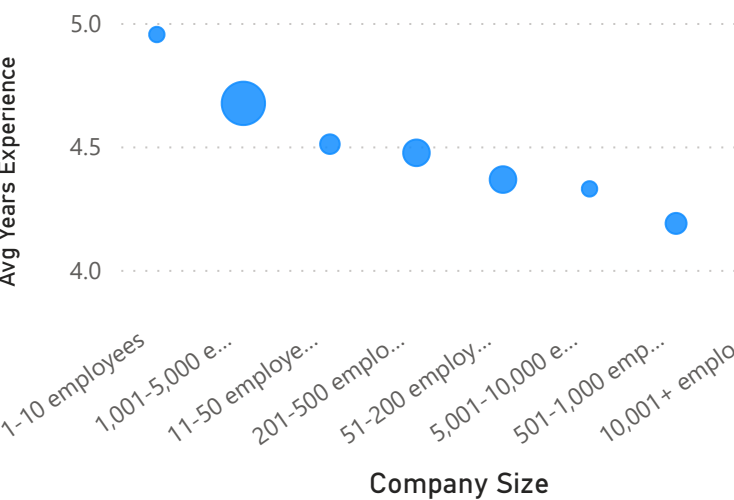● Associate ● Director ● Entry level ● Executive ● Internship ● Mid-Senior level
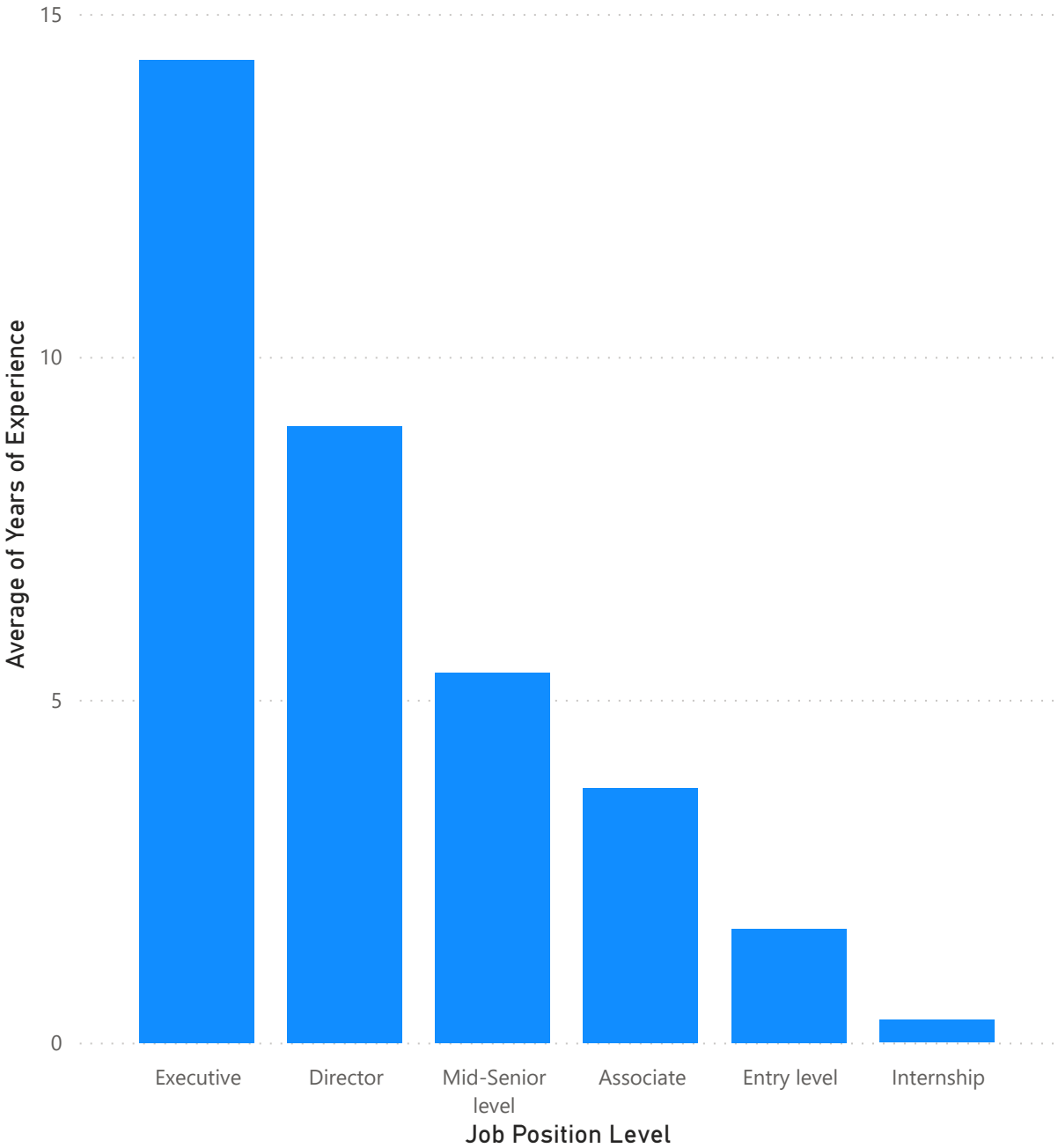

Bubble chart: Avg Years Experience vs Company Industry (Staffing & Recruiting, Internet, Information Technology & Services, Management Consulting, Computer Software, Marketing & Advertising, Financial Services, Hospital & Health Care, Insurance)

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
Total		**9556**

Scatter chart: Avg Years Experience vs Company Size (1-10 employees, 1,001-5,000 e..., 11-50 employe..., 201-500 emplo..., 51-200 employ..., 5,001-10,000 e..., 501-1,000 emp..., 10,001+ emplo...)
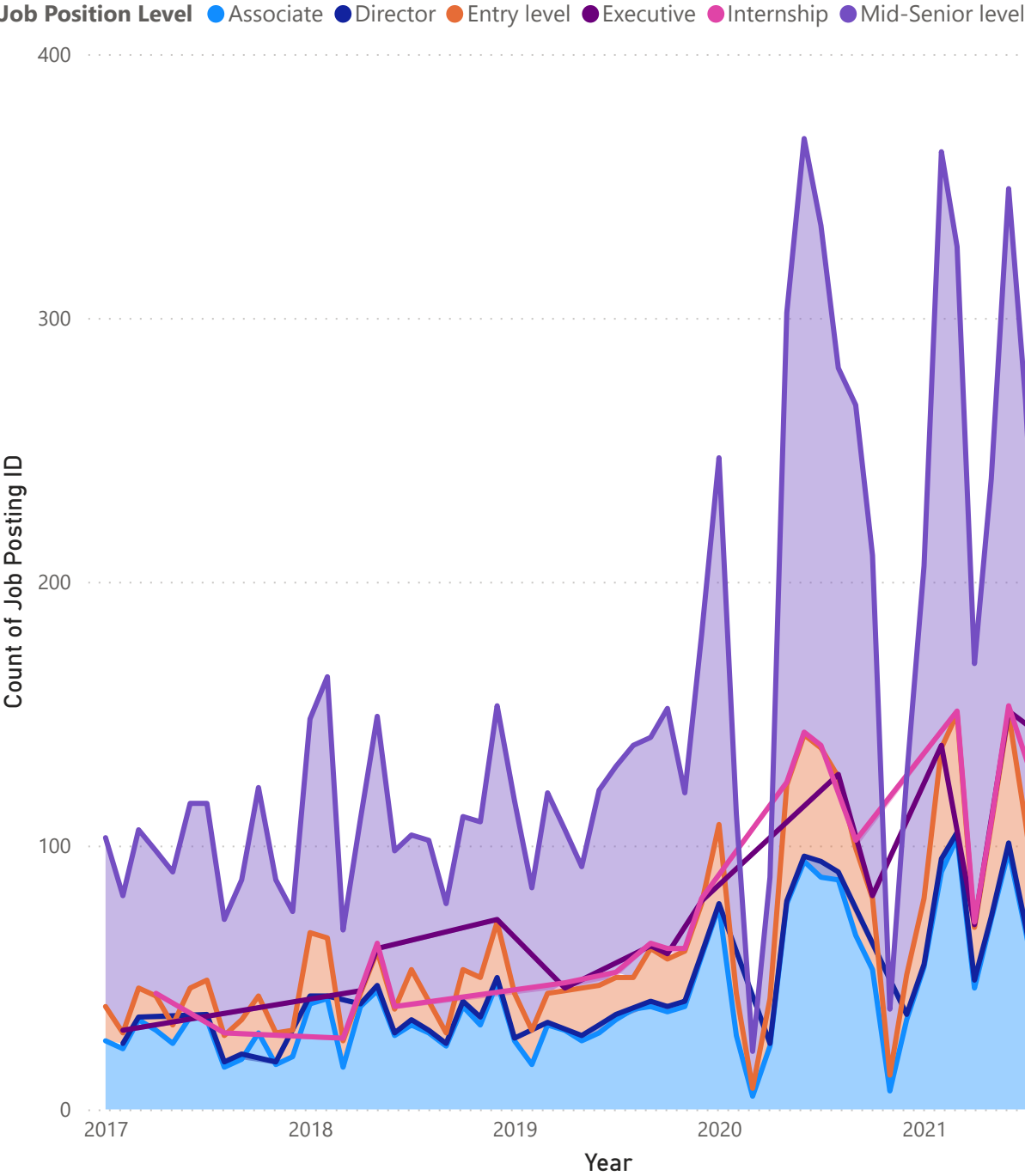
Average of Years of Experience by Job Position Level

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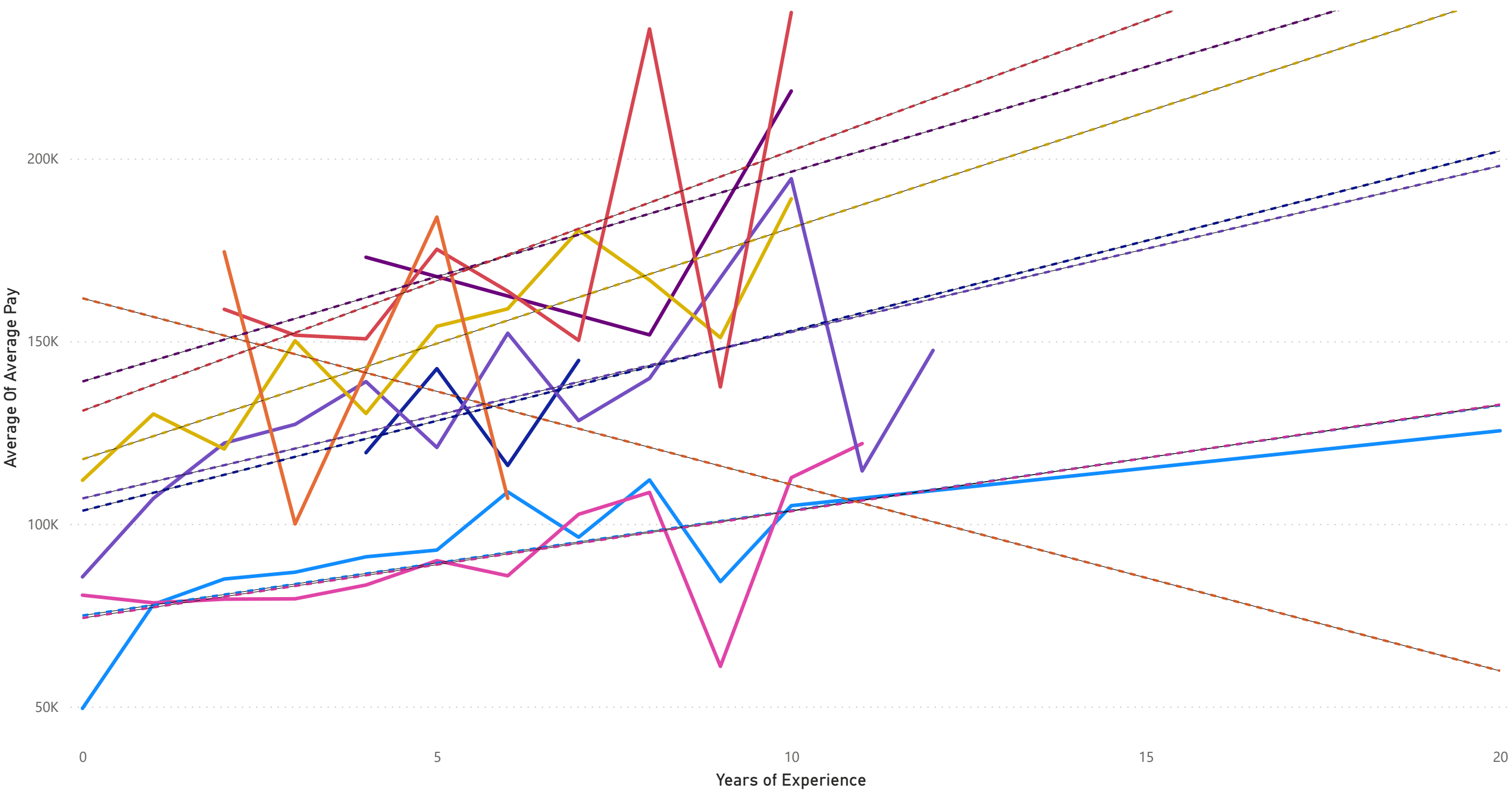
Count of Job Skills by Job Title and Job Skills

Data Engineer

aws

cloud

python

| sql | azure | etl |

spark

programming

database

snowflake | agile | redshift

java

machine_learning | tableau | bi | micr... | power_bi | r

Data Scientist

python

machine_learning

sql

r

programming

cloud

spark

aws | tableau | dat...

azure | agile

power_bi | java

etl | snowf... | micro...

Data Analyst

| sql | python | tableau |

excel

database

r

microsoft | bi | power_bi

programming

etl

agile

cloud | sn... | m...

aws | azu...

red...

Business Analyst

agile

sql

cloud

excel | micro...

tableau | bi | pyt...

power_bi | r | p...

database

Machine L...

mac... | pyt...

aws | clo...

s...

sql

r

Data Architect

sql

etl

aws

python

bi

spark

Research ...

Data Scien...

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
- [ ] apache
- [ ] asp.net
- [ ] atlassian
- [ ] aurora
- [ ] aws
- [ ] azure
- [ ] backend
- [ ] back-end
- [ ] bash

Average Of Average Pay and Avarage Pay by Years of Experience and Job Title

Job Title ● Business Analyst ● Data Analyst ● Data Architect ● Data Engineer ● Data Science Manager ● Data Scientist ● Machine Learning Engineer ● Research Scientist
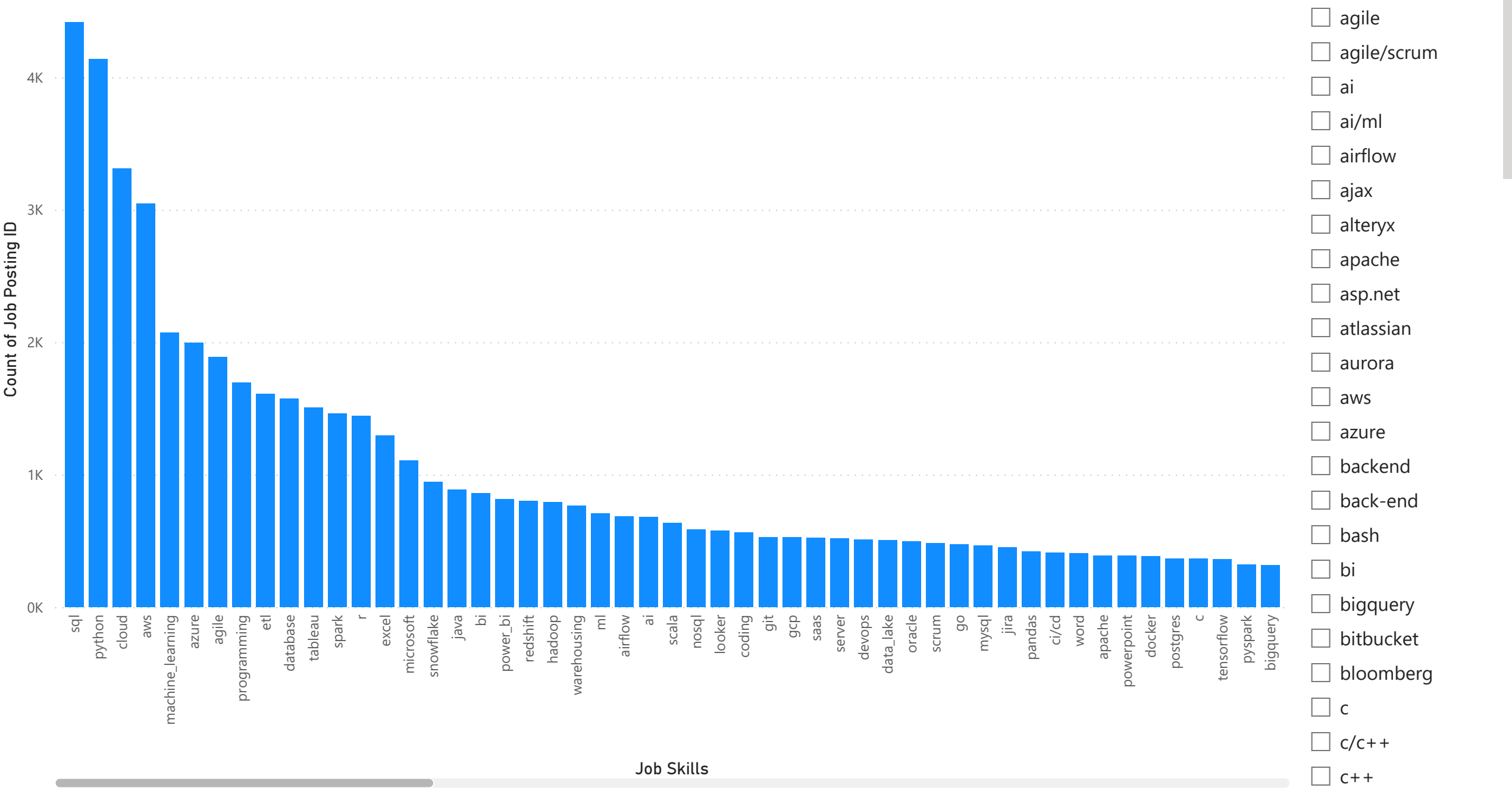
Count of Job Posting ID by Job Skills

Job Skills

- [ ] 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++

Job Title	Business Analyst			Data Analyst			Data Architect			Data Engineer			Data	
Job Skills	Skill Count	Posting Count	% Skill in Posting	Skill Count	Posting Count	% Skill in Posting	Skill Count	Posting Count	% Skill in Posting	Skill Count	Posting Count	% Skill in Posting	Skill
sql	367	2009	18.27%	1086	1485	73.13%	194	215	90.23%	1814	3462	52.40%	
python	96	2009	4.78%	683	1485	45.99%	79	215	36.74%	1823	3462	52.66%	
cloud	241	2009	12.00%	177	1485	11.92%	103	215	47.91%	2280	3462	65.86%	
aws	37	2009	1.84%	96	1485	6.46%	83	215	38.60%	2370	3462	68.46%	
machine_learning	31	2009	1.54%	125	1485	8.42%	17	215	7.91%	591	3462	17.07%	
azure	37	2009	1.84%	58	1485	3.91%	25	215	11.63%	1700	3462	49.10%	
agile	826	2009	41.11%	186	1485	12.53%	74	215	34.42%	654	3462	18.89%	
programming	70	2009	3.48%	217	1485	14.61%	68	215	31.63%	825	3462	23.83%	
etl	37	2009	1.84%	198	1485	13.33%	120	215	55.81%	1141	3462	32.96%	
database	133	2009	6.62%	416	1485	28.01%	29	215	13.49%	804	3462	23.22%	
tableau	184	2009	9.16%	658	1485	44.31%	21	215	9.77%	362	3462	10.46%	
spark	4	2009	0.20%	60	1485	4.04%	73	215	33.95%	914	3462	26.40%	
r	85	2009	4.23%	388	1485	26.13%	6	215	2.79%	184	3462	5.31%	
excel	542	2009	26.98%	555	1485	37.37%	7	215	3.26%	87	3462	2.51%	
microsoft	385	2009	19.16%	319	1485	21.48%	10	215	4.65%	299	3462	8.64%	
snowflake	17	2009	0.85%	132	1485	8.89%	11	215	5.12%	680	3462	19.64%	
java	25	2009	1.24%	49	1485	3.30%	10	215	4.65%	623	3462	18.00%	
bi	106	2009	5.28%	278	1485	18.72%	73	215	33.95%	347	3462	10.02%	
power_bi	148	2009	7.37%	268	1485	18.05%	12	215	5.58%	280	3462	8.09%	
redshift	2	2009	0.10%	53	1485	3.57%	11	215	5.12%	646	3462	18.66%	
hadoop	6	2009	0.30%	120	1485	8.08%	21	215	9.77%	438	3462	12.65%	
warehousing	29	2009	1.44%	78	1485	5.25%	15	215	6.98%	613	3462	17.71%	
ml	8	2009	0.40%	9	1485	0.61%	7	215	3.26%	206	3462	5.95%	
airflow		2009		39	1485	2.63%	61	215	28.37%	495	3462	14.30%	
ai	62	2009	3.09%	61	1485	4.11%	7	215	3.26%	175	3462	5.05%	
scala	3	2009	0.15%	41	1485	2.76%	4	215	1.86%	461	3462	13.32%	
nosql	3	2009	0.15%	36	1485	2.42%	75	215	34.88%	428	3462	12.36%	
looker	23	2009	1.14%	277	1485	18.65%	1	215	0.47%	208	3462	6.01%	
coding	39	2009	1.94%	68	1485	4.58%	4	215	1.86%	320	3462	9.24%	
git	22	2009	1.10%	48	1485	3.23%	60	215	27.91%	264	3462	7.63%	
gcp	3	2009	0.15%	25	1485	1.68%	5	215	2.33%	389	3462	11.24%	
saas	108	2009	5.38%	128	1485	8.62%	6	215	2.79%	197	3462	5.69%	
Total	**5928**	**2009**	**295.07%**	**9124**	**1485**	**614.41%**	**1964**	**215**	**913.49%**	**30434**	**3462**	**879.09%**	

% Skill in Posting by Year, Quarter and Job Skills

Job Skills ● agile ● aws ● azure ● cloud ● database ● etl ● machine_learning ● programming ● python ● sql
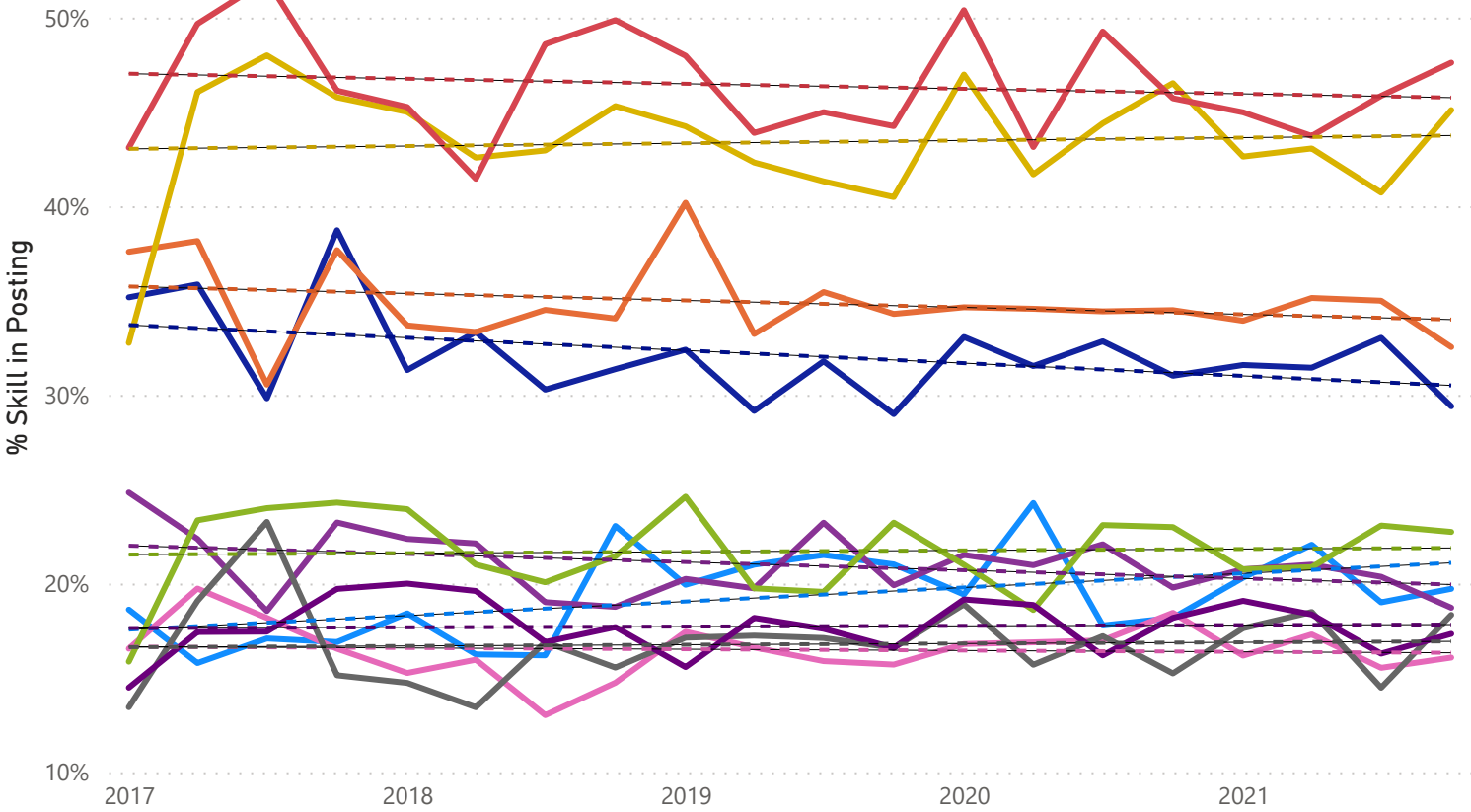
Job Title
- ☐ Business Analyst
- ☐ Data Analyst
- ☐ Data Architect
- ☐ Data Engineer
- ☐ Data Science Manager

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

Job Skills	Business Analyst	Data Analyst	Data Architect	Data Engineer	D
agile	41.11%	12.53%	34.42%	18.89%	
agile/scrum	1.74%	0.07%		0.92%	
ai	3.09%	4.11%	3.26%	5.05%	
ai/ml	0.15%	0.20%	0.47%	0.75%	
airflow		2.63%	28.37%	14.30%	
ajax	0.05%	0.07%			
alteryx	0.45%	1.55%	0.47%	0.66%	
apache	0.05%	0.61%	29.30%	7.68%	
asp.net	0.05%	0.34%		0.14%	
atlassian	0.80%	0.27%		0.26%	
aurora	0.10%	0.07%		1.30%	
aws	1.84%	6.46%	38.60%	68.46%	
azure	1.84%	3.91%	11.63%	49.10%	
backend	0.85%	0.47%		4.02%	
back-end	0.25%	0.34%	0.47%	0.87%	
bash		0.34%	1.86%	1.96%	
bi	5.28%	18.72%	33.95%	10.02%	
bigquery	0.10%	2.90%	1.86%	6.61%	
bitbucket	0.10%	0.20%		0.46%	
bloomberg	0.10%	0.20%		0.03%	
c	1.89%	3.70%	1.40%	5.20%	
c/c++	0.15%	0.13%		0.17%	
c++	0.35%	0.47%	1.86%	1.50%	
chainer					
ci/cd		0.27%	28.84%	8.58%	
cicd		0.07%	0.93%	1.07%	
cloud	12.00%	11.92%	47.91%	65.86%	
codebase		0.27%		0.35%	
coding	1.94%	4.58%	1.86%	9.24%	
cognos	0.45%	0.81%		1.30%	
css	0.55%	0.54%		0.87%	
data_lake	0.20%	4.38%	47.44%	8.61%	
Total	**295.07%**	**614.41%**	**913.49%**	**879.09%**	

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
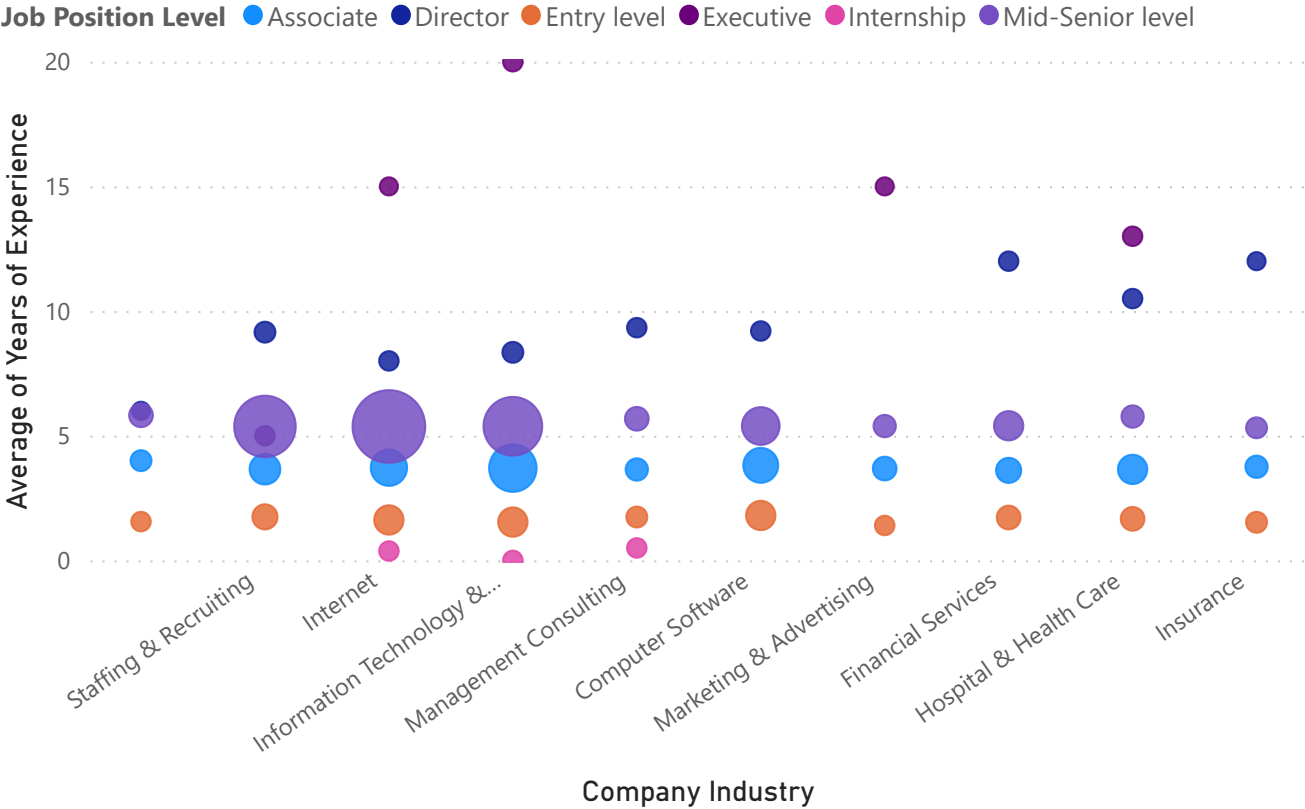
Job Title	Company Name	Posting Count
Business Analyst		4
Business Analyst	24 Seven Talent	1
Business Analyst	2Bridge Partners	1
Business Analyst	3 Key Consulting, Inc.	2
Business Analyst	360 Cloud Solutions	1
Business Analyst	3Ci	1
Business Analyst	AAAS	1
Business Analyst	Accelalpha	1
Business Analyst	Acceleration Partners	10
Business Analyst	Access Global Group	1
Total		**9556**

Skill Count by Company Industry
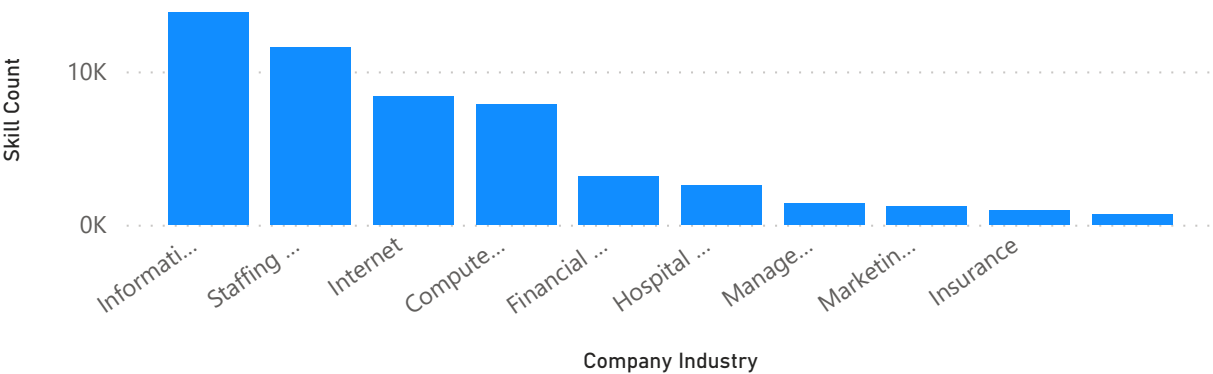
Average of Years of Experience and Posting Count by Company Size

Average of Years of Experience and Posting Count by Company Industry