Data Jobs Analysis

Data Science Job Market Insights

Select a dashboard to view

Jobs

Skills

Company
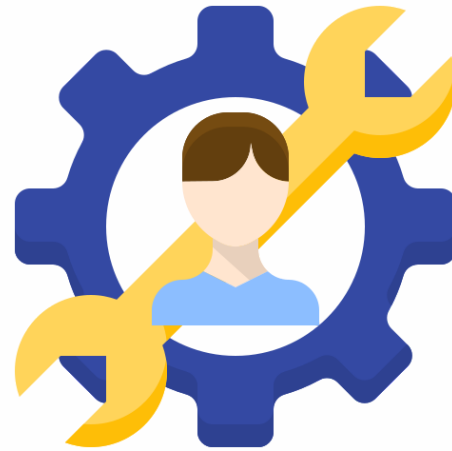
Data Science Job Market Insights
Jobs Overview

6059
Posting Count

4.40
Average of Years of Experience

🏠 Home

Filters

Job Title ⌄
- ☐ Business Analyst
- ☐ Data Analyst
- ☐ Data Architect

Job Position Level ⌄
- ☐ Associate
- ☐ Director
- ☐ Entry level

Company Name ⌄
- ☐ #twiceasnice Recruiting
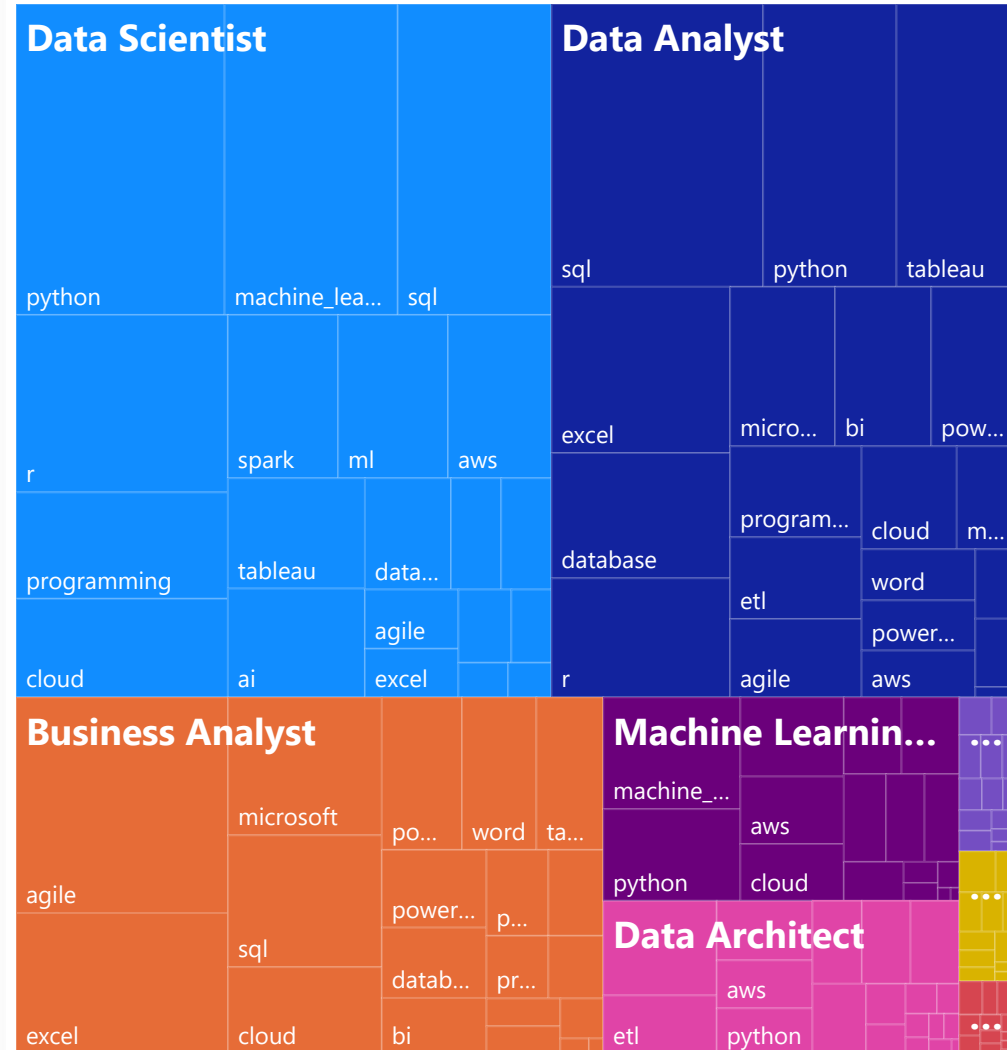- ☐ 1010data
- ☐ 24 Seven Talent
- ☐ 2Bridge Partners

Company Industry ⌄
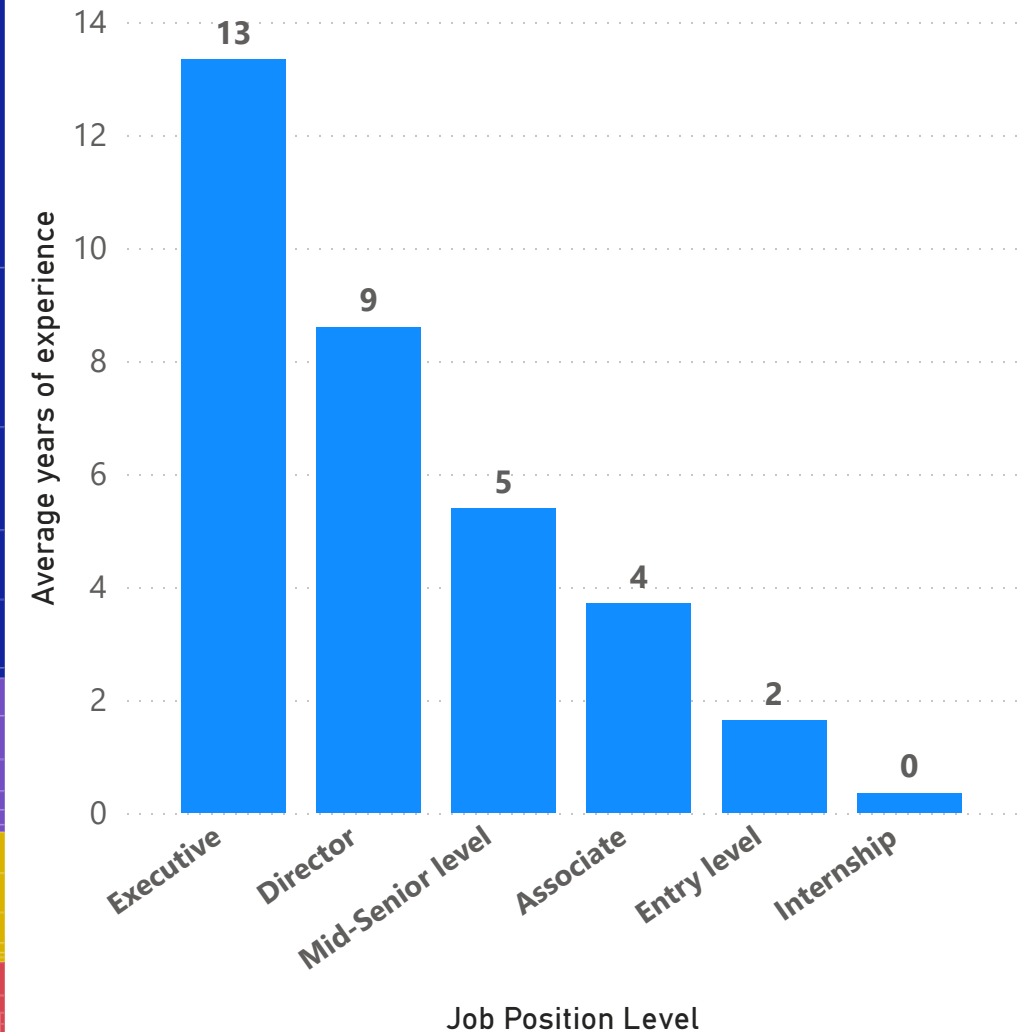- ☐ 2 school alumni
- ☐ Accounting
- ☐ Airlines/Aviation

Year ⌄
- ☐ 2017
- ☐ 2018
- ☐ 2019

Skills by Job Title

Data Scientist
python | machine_lea... | sql
r | spark | ml | aws
programming | tableau | data... | agile
cloud | ai | excel

Data Analyst
sql | python | tableau
excel | micro... | bi | pow...
database | program... | cloud | m...
etl | word
r | agile | power... | aws

Business Analyst
microsoft | po... | word | ta...
agile | power... | p...
sql | datab... | pr...
excel | cloud | bi

Machine Learnin...
machine_... | aws
python | cloud

Data Architect
aws
etl | python

Average of Years of Experience by Job Position Level

Job Position Level	Average years of experience
Executive	13
Director	9
Mid-Senior level	5
Associate	4
Entry level	2
Internship	0

Data Science Job Market Insights

Skills Overview

163 Count of Job Skills

2533 Count of Job Skills

Home

Job Title
- [ ] Business Analyst
- [ ] Data Analyst
- [ ] Data Architect

Job Position Level
- [ ] Associate
- [ ] Director
- [ ] Entry level

Company Name
- [ ] #twiceasnice Recruiting
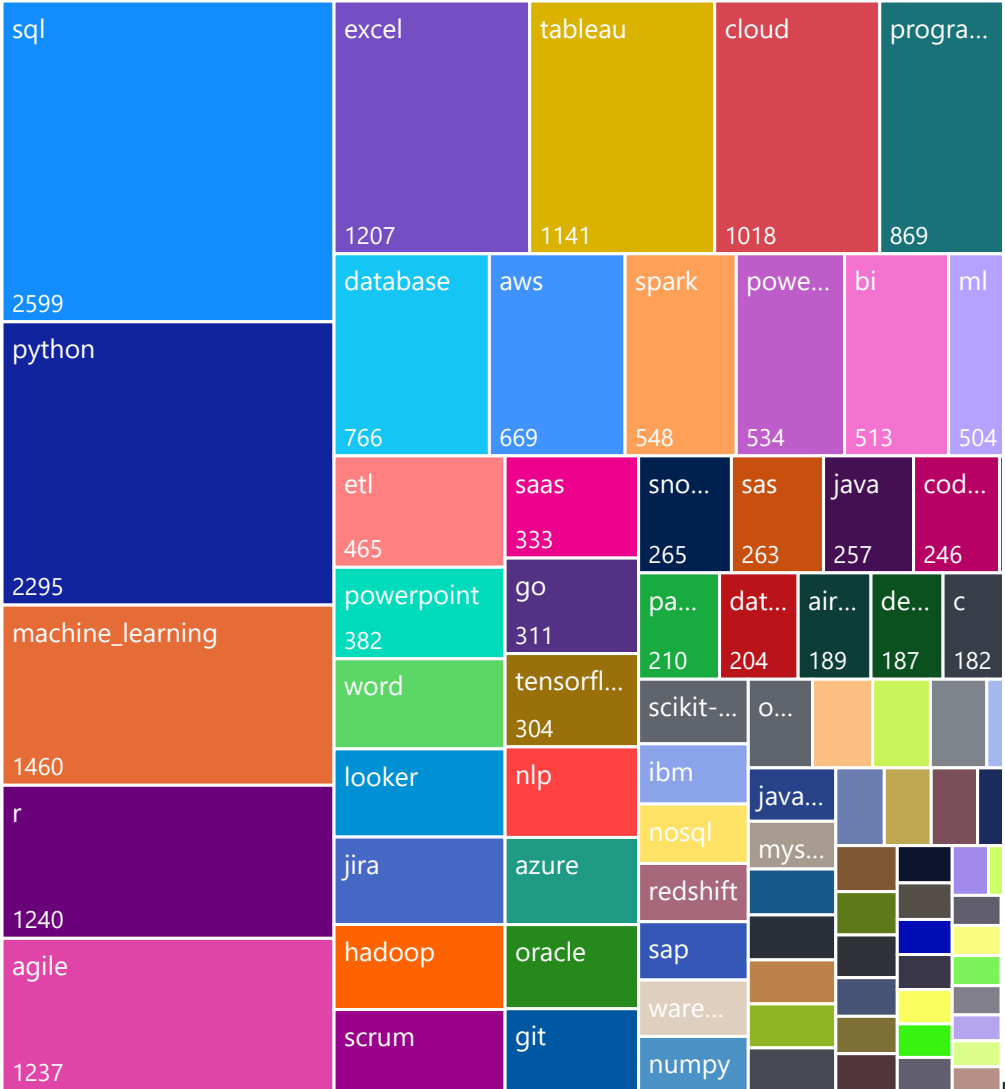- [ ] 1010data
- [ ] 24 Seven Talent
- [ ] 2Bridge Partners

Company Industry
- [ ] 2 school alumni
- [ ] Accounting
- [ ] Airlines/Aviation

Year
- [ ] 2017
- [ ] 2018
- [ ] 2019

Skill Count by Job Skills

Skill	Count
sql	2599
python	2295
machine_learning	1460
r	1240
agile	1237
excel	1207
tableau	1141
cloud	1018
progra...	869
database	766
aws	669
spark	548
powe...	534
bi	513
ml	504
etl	465
saas	333
go	311
powerpoint	382
word	304
sno...	265
sas	263
java	257
cod...	246
pa...	210
dat...	204
air...	189
de...	187
c	182
scrum	1237

Job Skills	Skill Count	% Skills in Posting
sql	2599	43%
python	2295	38%
machine_learning	1460	24%
r	1240	20%
agile	1237	20%
excel	1207	20%
tableau	1141	19%
cloud	1018	17%
programming	869	14%
microsoft	798	13%
database	766	13%
aws	669	11%
spark	548	9%
power_bi	534	9%
bi	513	8%
ml	504	8%
ai	489	8%
etl	465	8%
powerpoint	382	6%

Data Science Job Market Insights
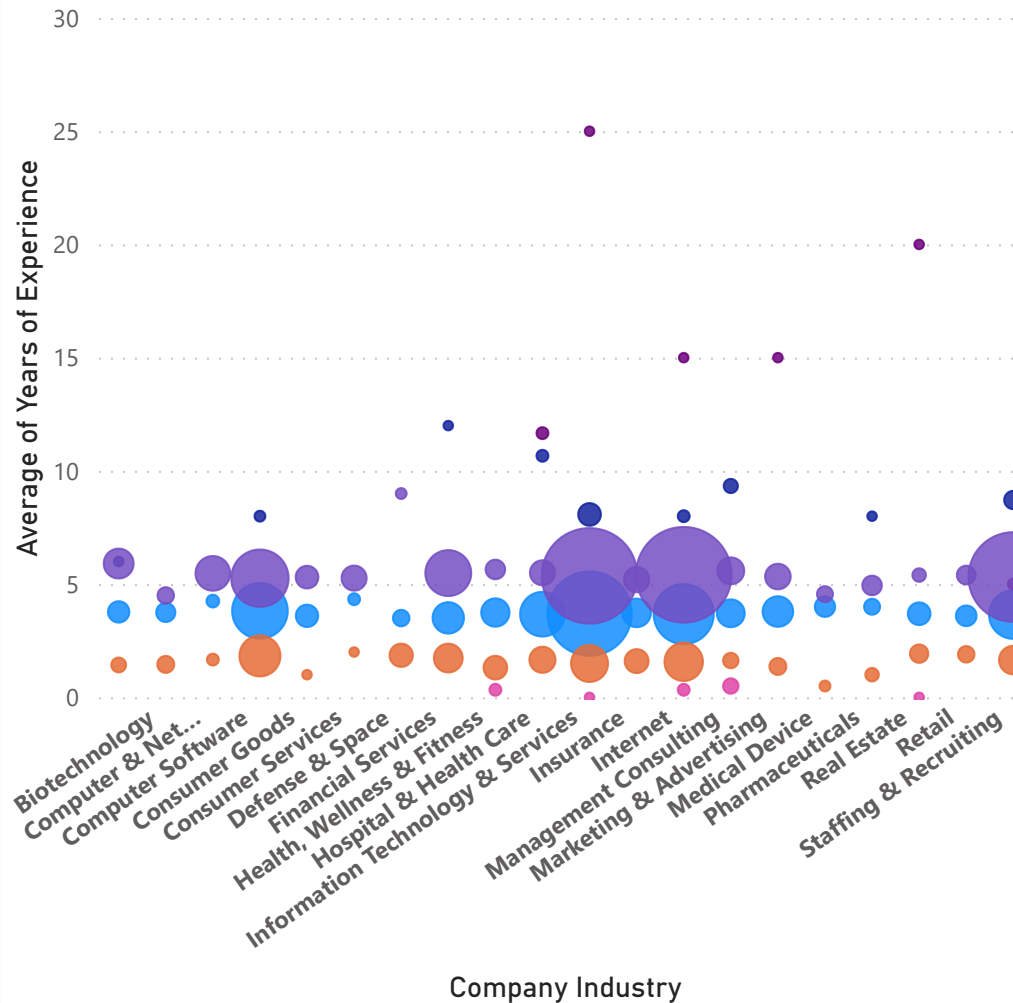
Company Overview
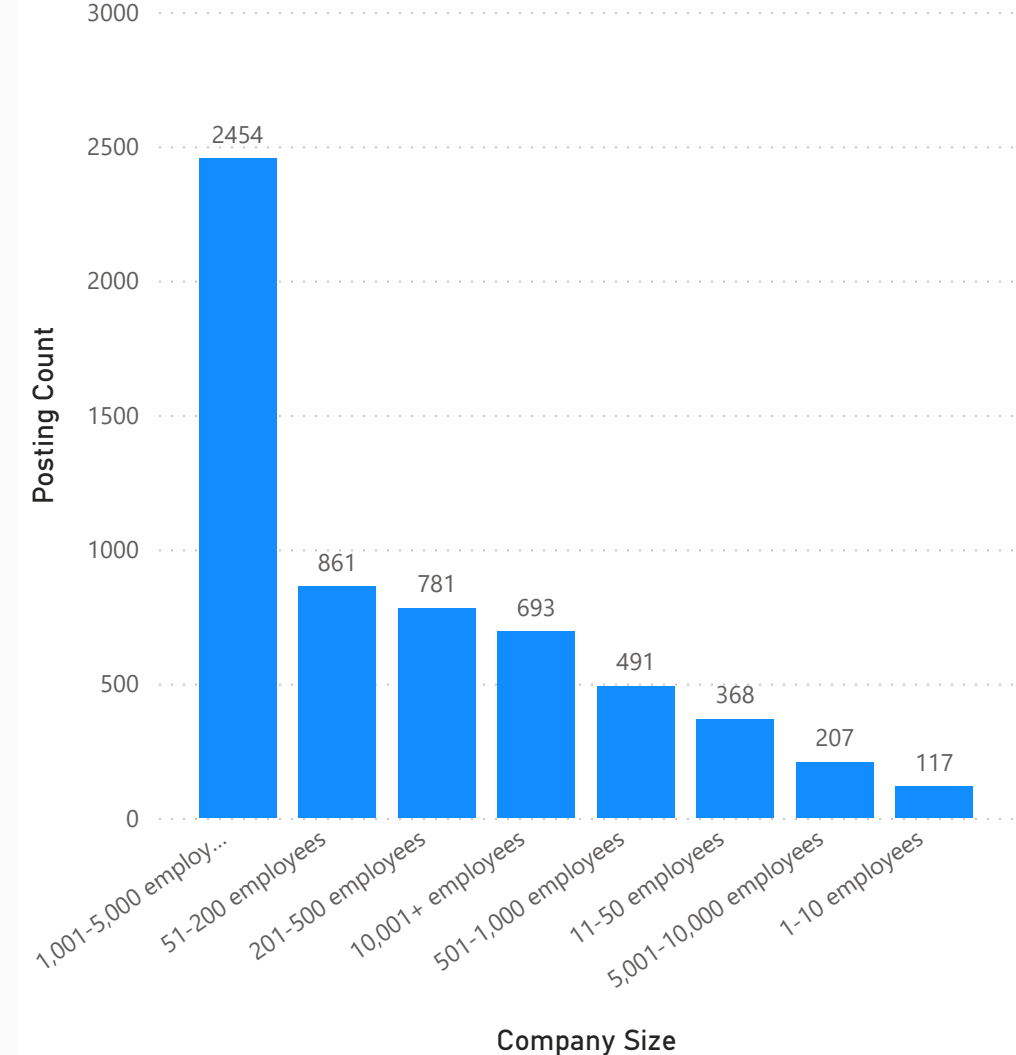
Average salary

$42K $109K $314K

Home

Average of Years of Experience by Job Position Level and Industry

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

Average of Years of Experience (y-axis: 0, 5, 10, 15, 20, 25, 30)

Company Industry (x-axis): Biotechnology, Computer & Net..., Computer Software, Consumer Goods, Consumer Services, Defense & Space, Financial Services, Health, Wellness & Fitness, Hospital & Health Care, Information Technology & Services, Insurance, Internet, Management Consulting, Marketing & Advertising, Medical Device, Pharmaceuticals, Real Estate, Retail, Staffing & Recruiting

Job posting count by Company Size

Posting Count (y-axis: 0, 500, 1000, 1500, 2000, 2500, 3000)

Company Size	Posting Count
1,001-5,000 employ...	2454
51-200 employees	861
201-500 employees	781
10,001+ employees	693
501-1,000 employees	491
11-50 employees	368
5,001-10,000 employees	207
1-10 employees	117

Filters

Job Title ⌄
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- ☐ Data Analyst
- ☐ Data Architect

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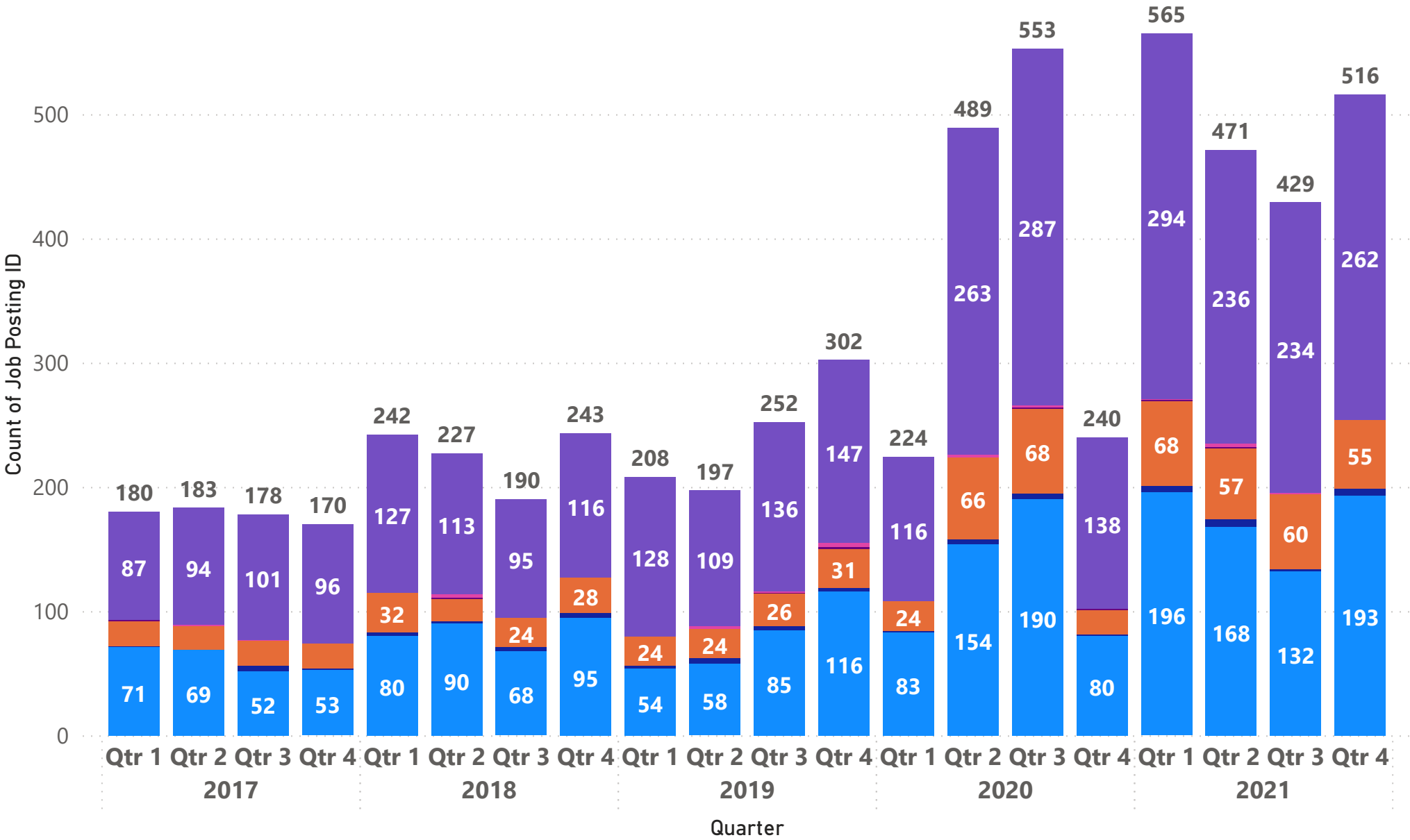- ☐ 24 Seven Talent
- ☐ 2Bridge Partners

Company Industry ⌄
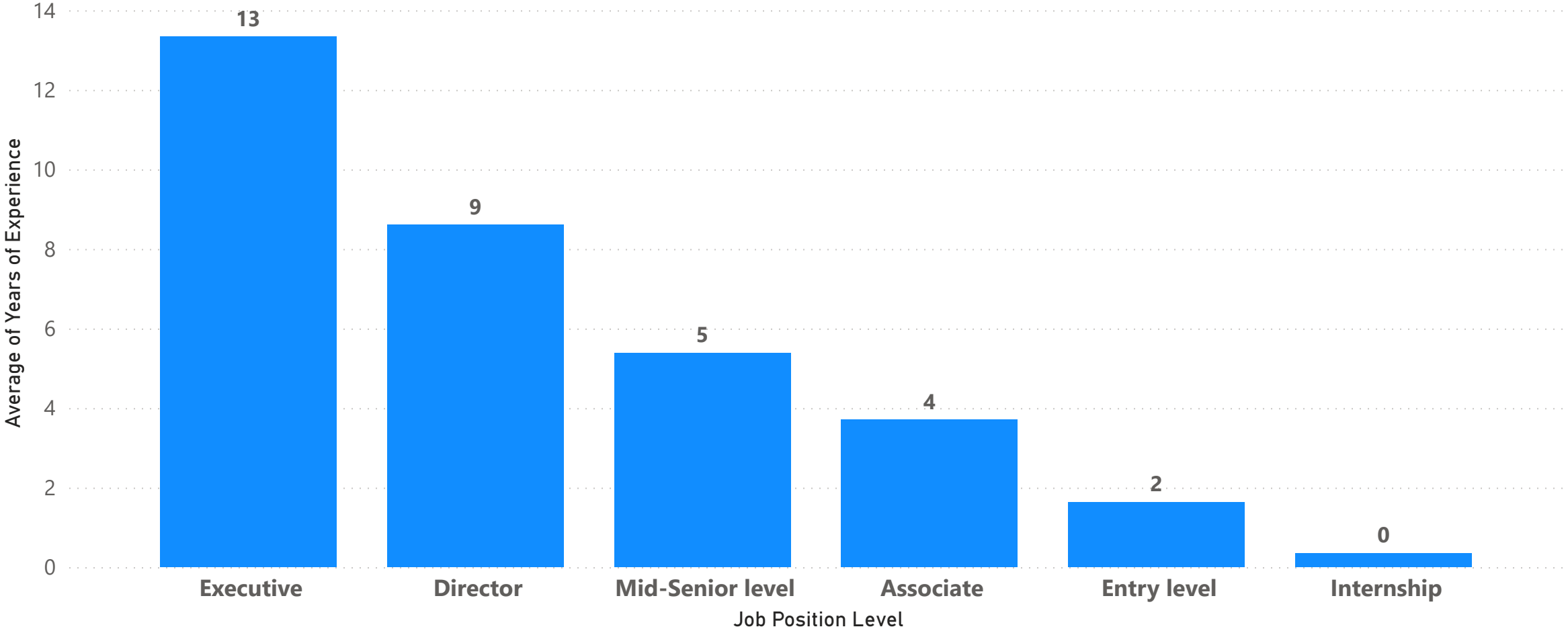- ☐ 2 school alumni
- ☐ Accounting
- ☐ Airlines/Aviation

Year ⌄
- ☐ 2017
- ☐ 2018
- ☐ 2019

Count of job posts by quarter and position level

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

	2017				2018				2019				2020				2021			
Quarter	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4	Qtr 1	Qtr 2	Qtr 3	Qtr 4
Total	180	183	178	170	242	227	190	243	208	197	252	302	224	489	553	240	565	471	429	516
Mid-Senior level	87	94	101	96	127	113	95	116	128	109	136	147	116	263	287	138	294	236	234	262
Entry level					32		24	28		24	26	31	24	66	68		68	57	60	55
Associate	71	69	52	53	80	90	68	95	54	58	85	116	83	154	190	80	196	168	132	193

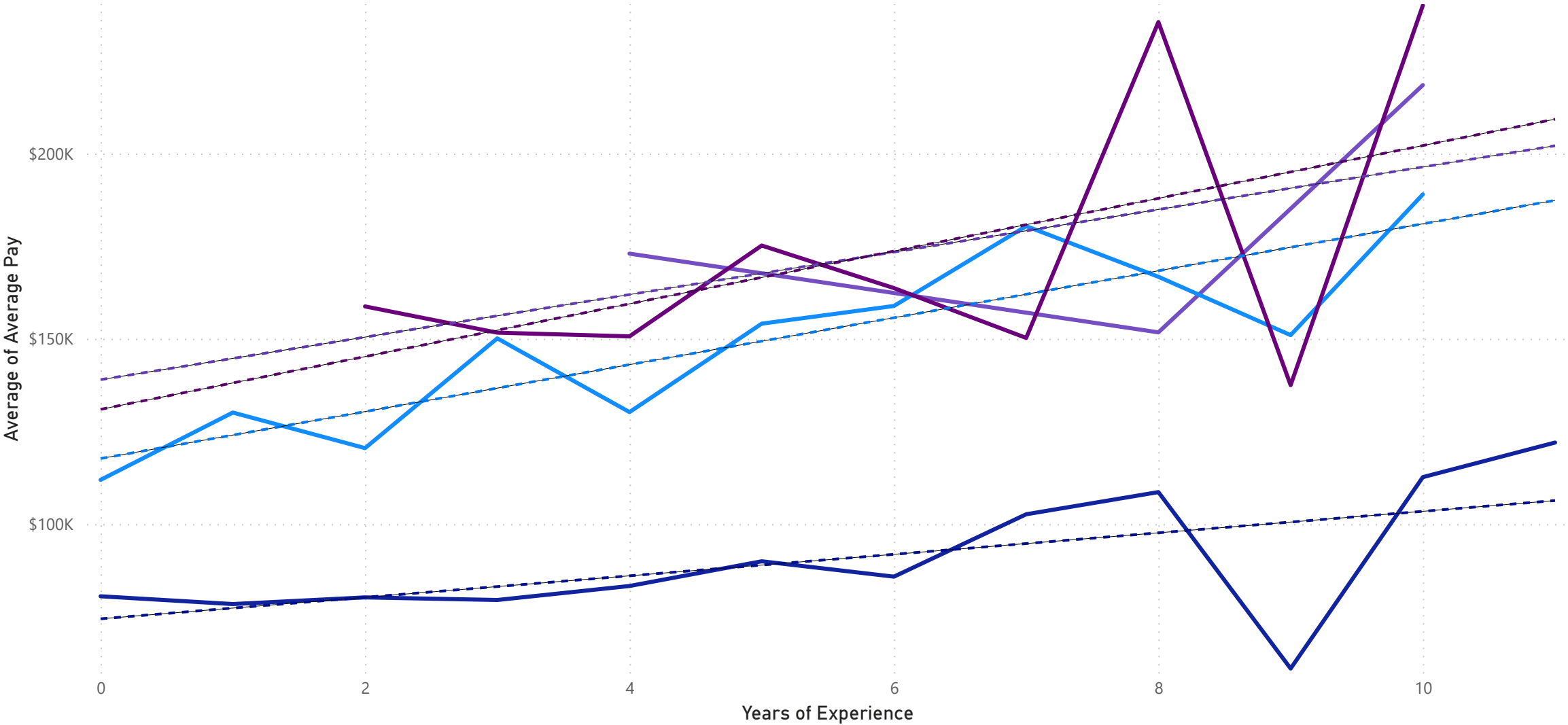Average of Years of Experience by Job Position Level

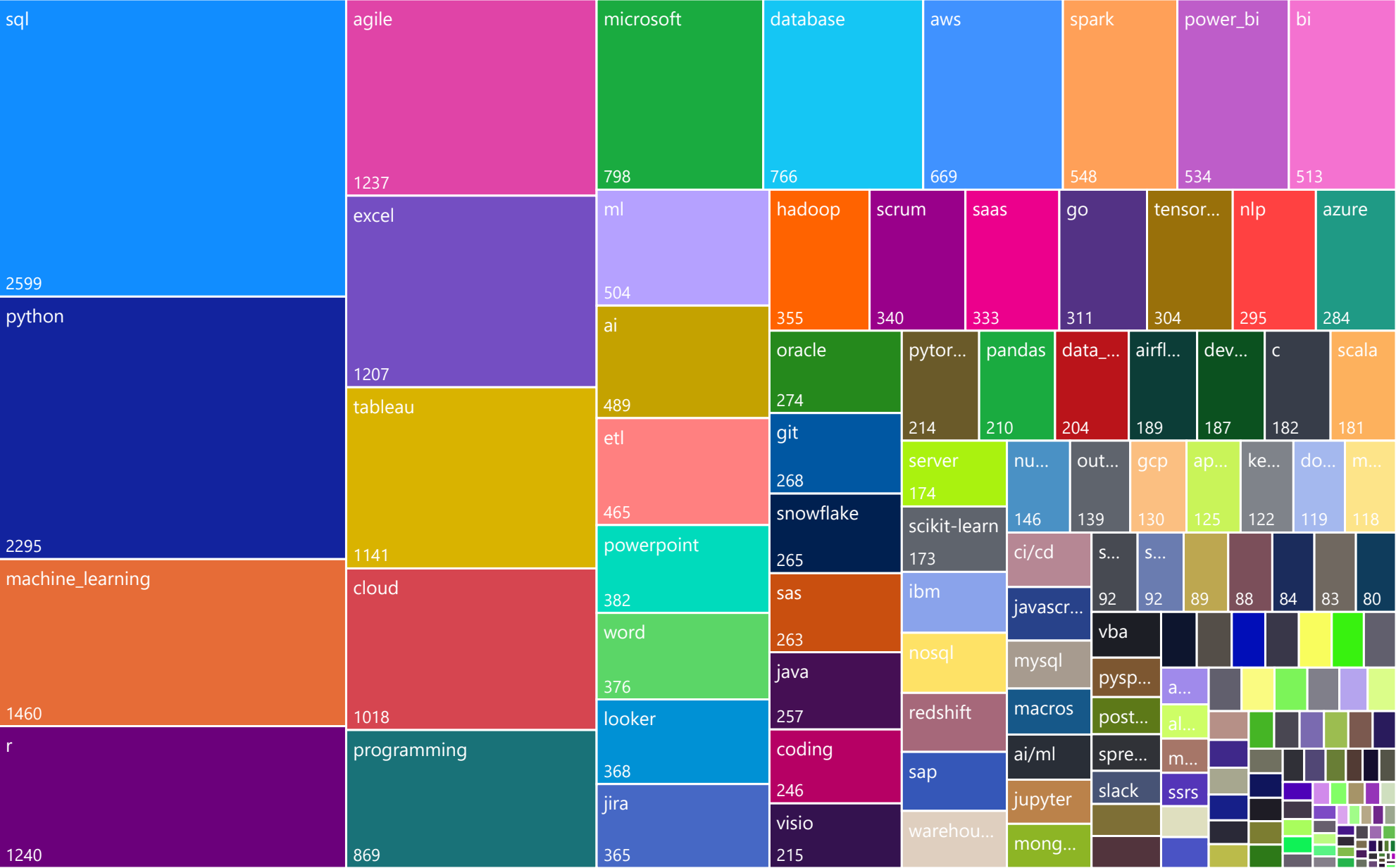# Count of Job Skills by Job Title - top 20 skills
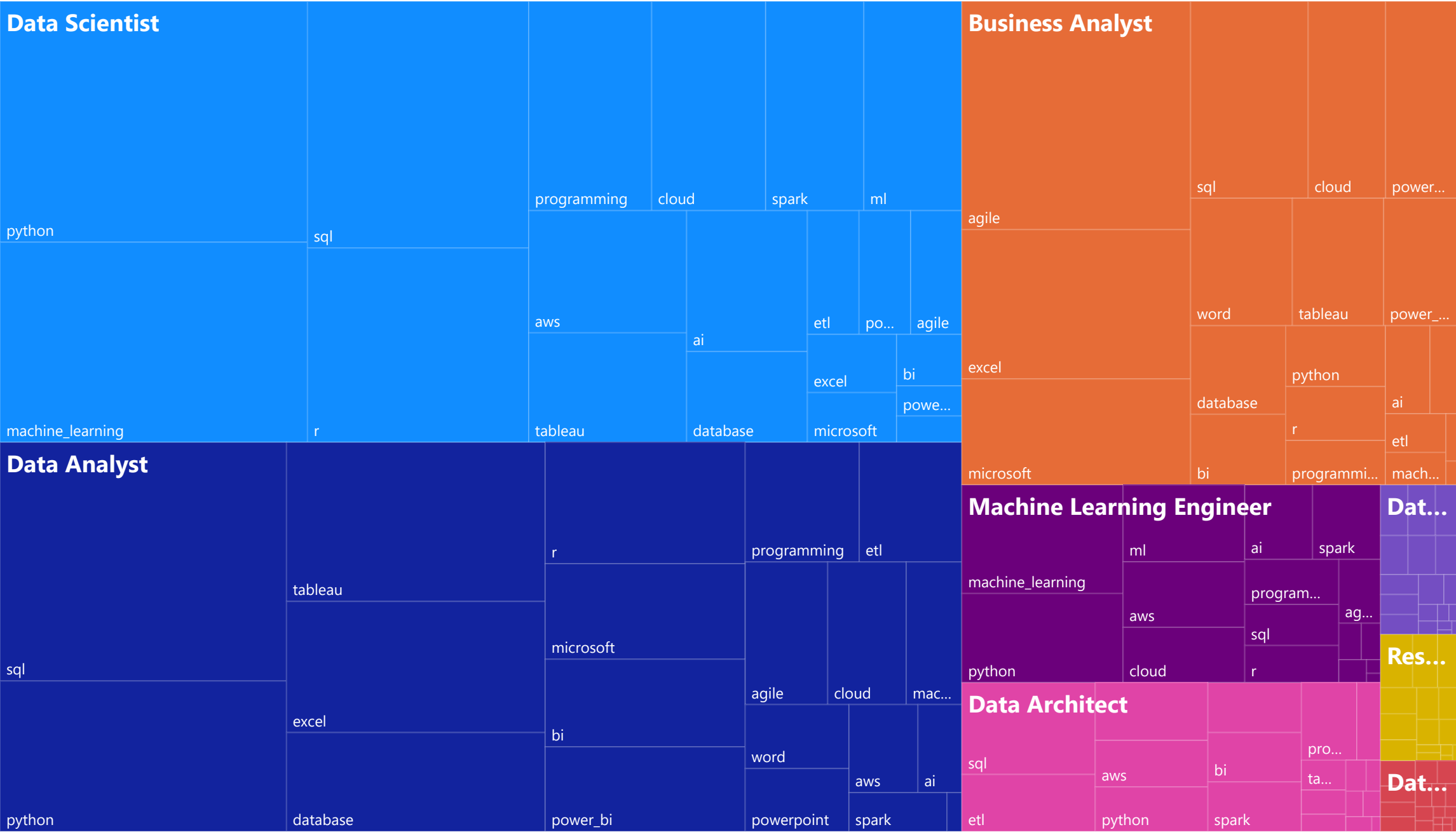
Average Pay by Years of Experience and Job Title

Job Title ● Data Analyst ● Data Science Manager ● Data Scientist ● Machine Learning Engineer

Data science jobs required skills

Skill	Count
sql	2599
python	2295
machine_learning	1460
r	1240
agile	1237
excel	1207
tableau	1141
cloud	1018
programming	869
microsoft	798
ml	504
ai	489
etl	465
powerpoint	382
word	376
looker	368
jira	365
database	766
aws	669
spark	548
power_bi	534
bi	513
hadoop	355
scrum	340
saas	333
go	311
tensor...	304
nlp	295
azure	284
oracle	274
pytor...	214
pandas	210
data_...	204
airfl...	189
dev...	187
c	182
scala	181
git	268
snowflake	265
sas	263
java	257
coding	246
visio	215
server	174
scikit-learn	173
ibm	
nosql	
redshift	
sap	
warehou...	
nu...	146
out...	139
gcp	130
ap...	125
ke...	122
do...	119
m...	118
javascr...	
mysql	
macros	
ai/ml	
jupyter	
mong...	
ci/cd	
s...	92
s...	92
	89
	88
	84
	83
	80
vba	
pysp...	
post...	
spre...	
slack	
a...	
al...	
m...	
ssrs	

Skill posting count and likelihood

Job Skills	Skill Count	% Skills in Posting
⊞ sql	2599	42.9%
⊞ python	2295	37.9%
⊞ machine_learning	1460	24.1%
⊞ r	1240	20.5%
⊞ agile	1237	20.4%
⊞ excel	1207	19.9%
⊞ tableau	1141	18.8%
⊞ cloud	1018	16.8%
⊞ programming	869	14.3%
⊞ microsoft	798	13.2%
⊞ database	766	12.6%
⊞ aws	669	11.0%
⊞ spark	548	9.0%
⊞ power_bi	534	8.8%
⊞ bi	513	8.5%
⊞ ml	504	8.3%
⊞ ai	489	8.1%
⊞ etl	465	7.7%
⊞ powerpoint	382	6.3%
⊞ word	376	6.2%
⊞ looker	368	6.1%
⊞ jira	365	6.0%
⊞ hadoop	355	5.9%
⊞ scrum	340	5.6%
⊞ saas	333	5.5%
⊞ go	311	5.1%
⊞ tensorflow	304	5.0%
⊞ nlp	295	4.9%
⊞ azure	284	4.7%

Percent of Skills in Postings by Year - Top 5 skills

Job Skills ● agile ● machine_learning ● python ● r ● sql
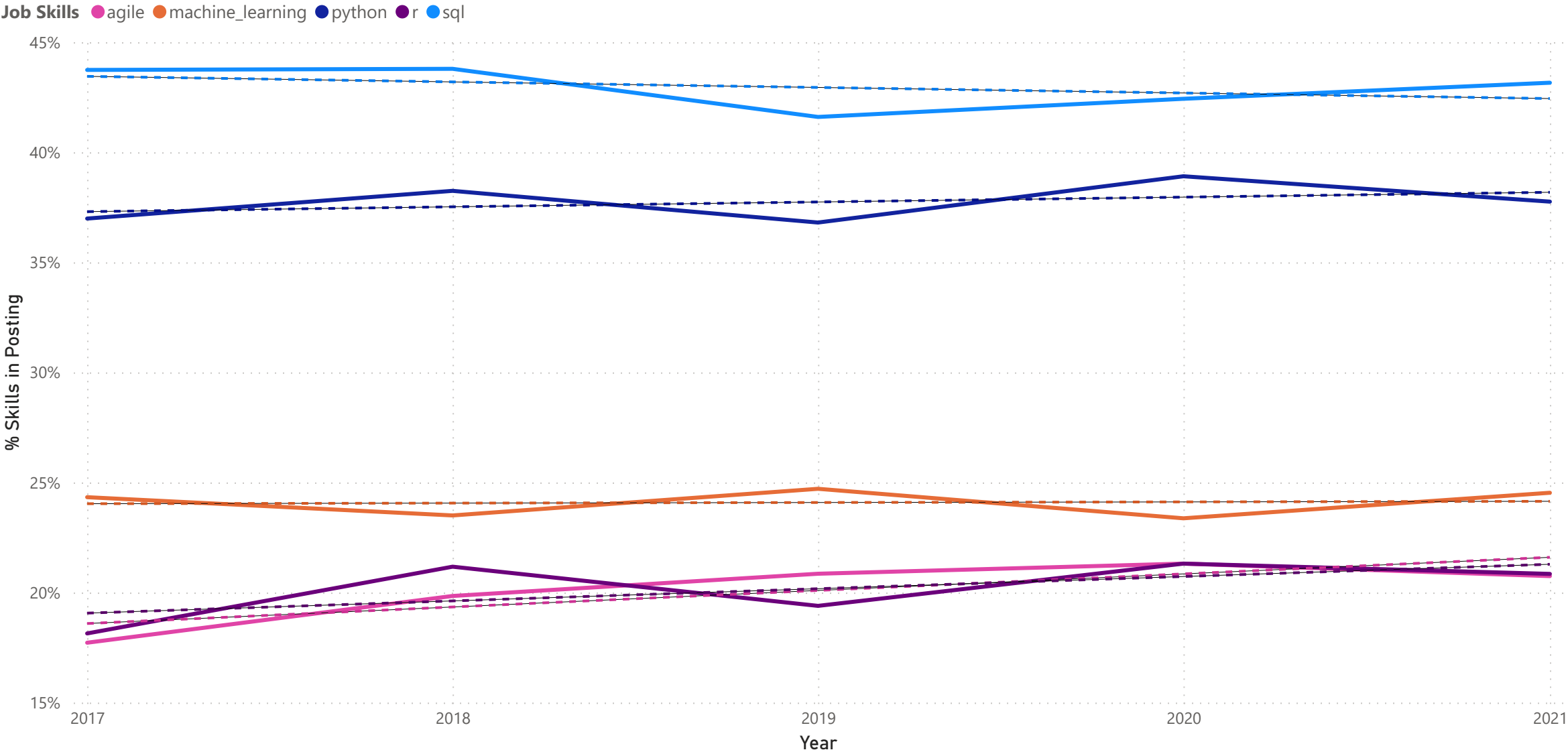
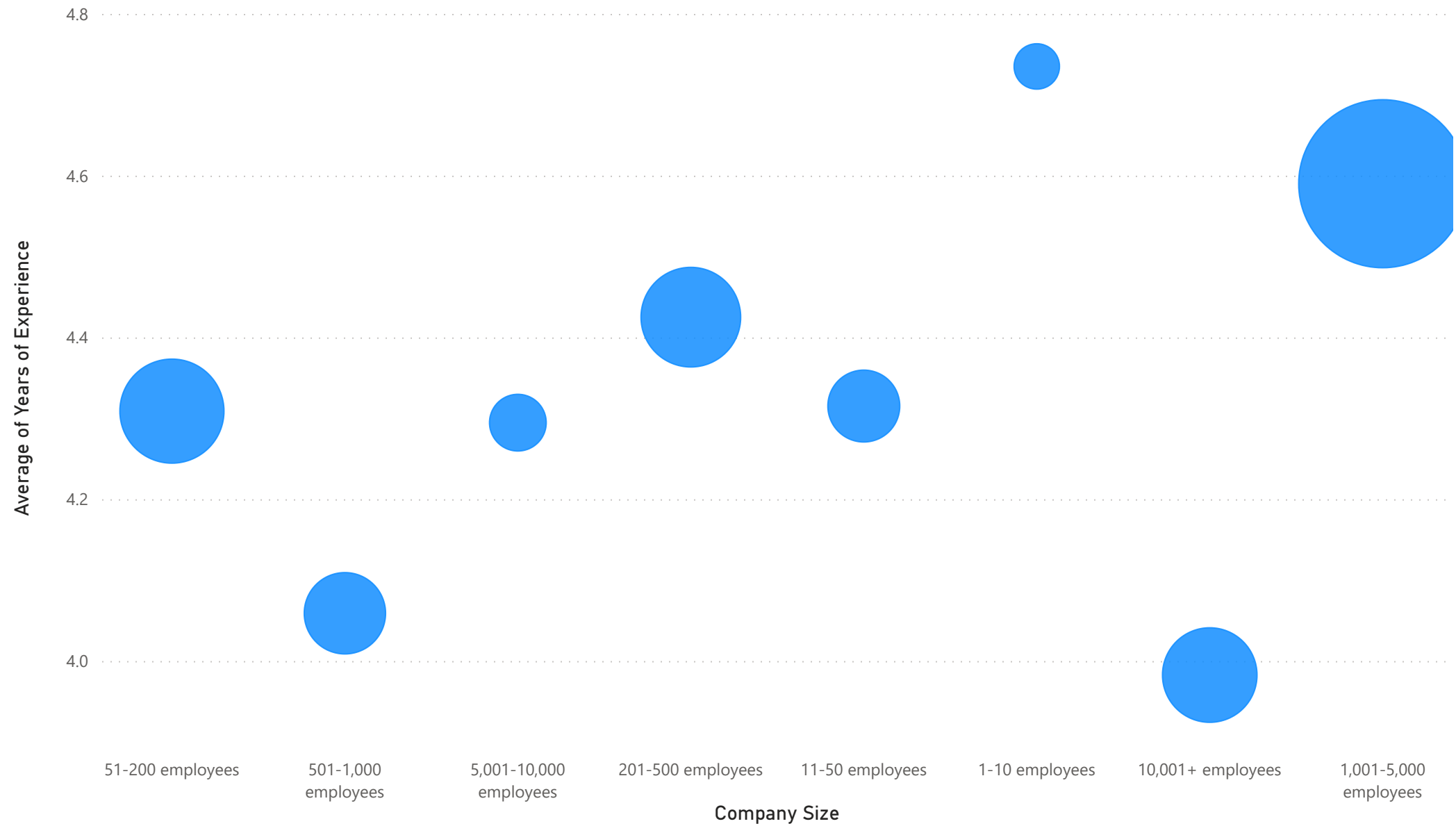# Count of Skills by Industry - top 10 skills

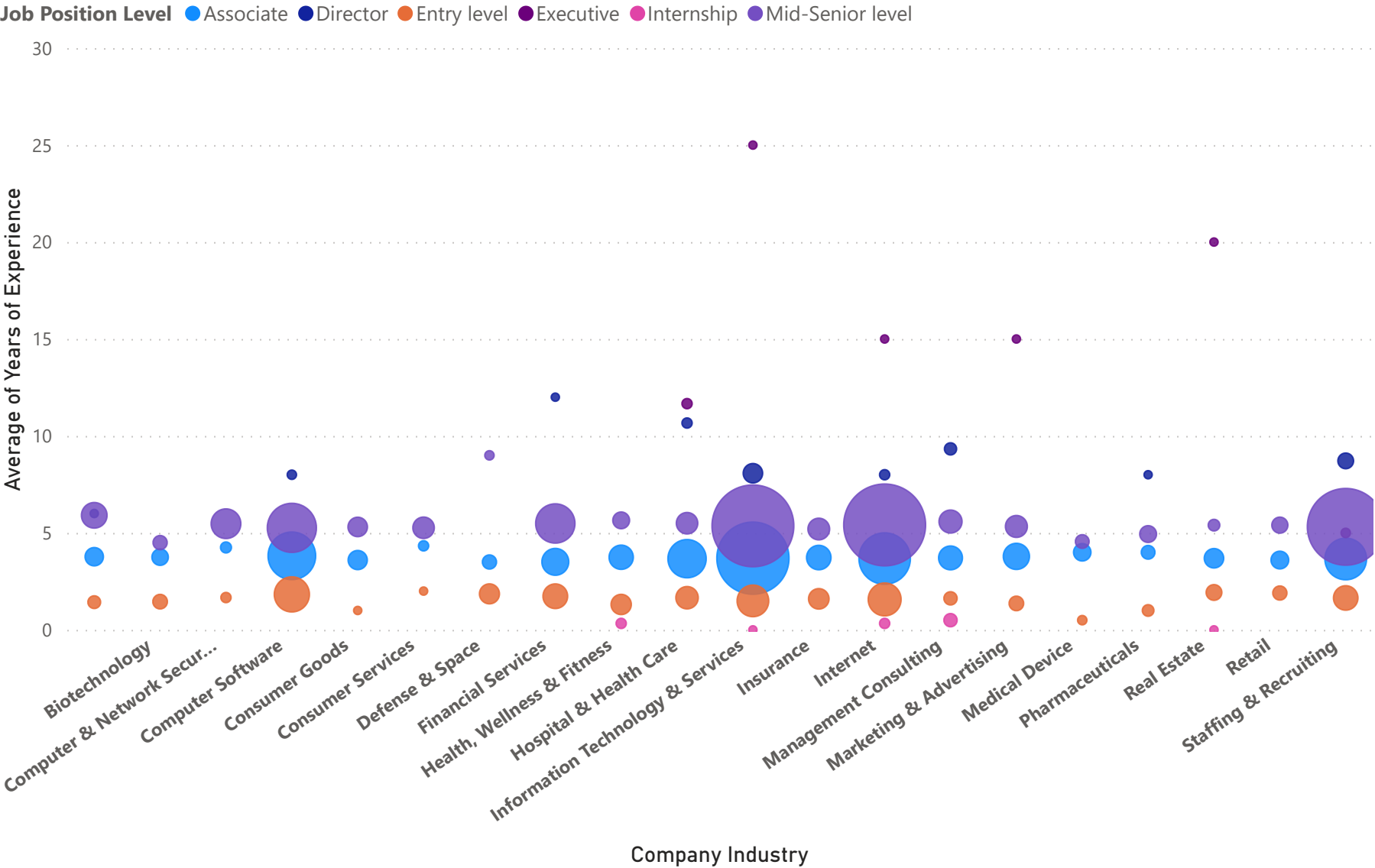**Job Skills** ● agile ● cloud ● excel ● machine_learning ● microsoft ● programming ● python ● r ● sql ● tableau

Count of Job Skills
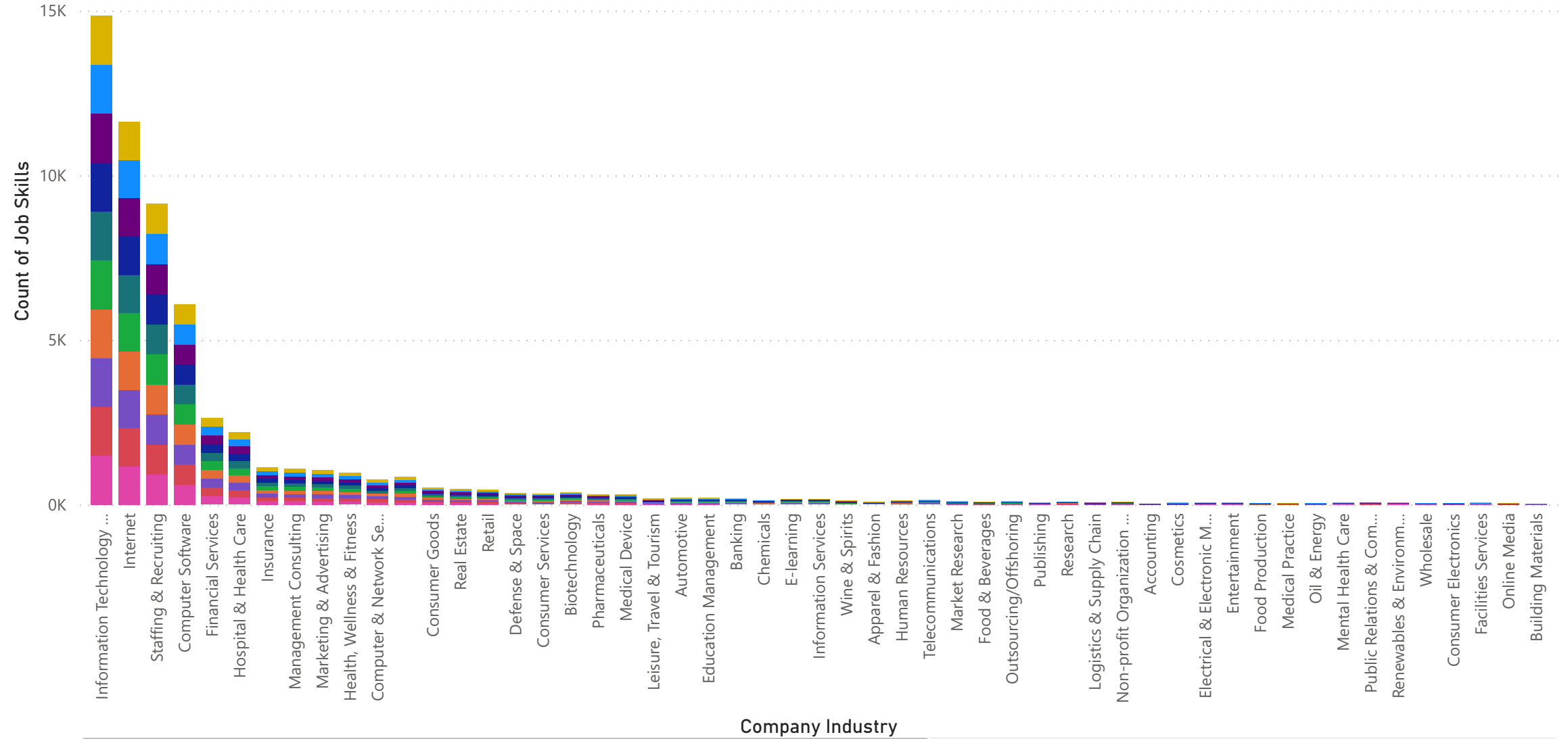
Company Industry

Count of skills by industry - top 10 skills heat map

Company Industry	agile	cloud	excel	machine_learning	microsoft	programming	python	r	sql	tableau
Information Technology & Services	569	254	274	204	233	181	384	137	595	180
Staffing & Recruiting	135	149	148	333	102	146	435	227	389	136
Computer Software	88	224	128	235	64	97	348	223	328	216
Internet	65	54	67	160	52	83	271	155	304	135
Financial Services	42	35	69	74	37	79	151	77	195	115
Hospital & Health Care	46	40	83	56	51	37	67	39	117	48
Insurance	30	6	55	31	43	30	55	30	72	13
Marketing & Advertising	26	17	35	44	25	15	51	34	58	37
Health, Wellness & Fitness	8	25	9	35	6	8	73	63	65	13
Computer & Network Security	62	80	66	19		6	19	3	20	20
Management Consulting	29	11	28	34	25	12	37	26	33	17
Consumer Goods	10	15	17	12	3	17	20	21	29	10
Retail	9	5	16	15	14	11	21	16	24	13
Defense & Space		2	19	8	19	6	22	22	16	6
Real Estate	6	4	10	13	2	6	24	12	27	13
Consumer Services		1	3	2	2	1	34	2	36	33
Biotechnology	5	8	6	11	3	9	20	18	16	9
Pharmaceuticals	10	5	7	6	8	8	16	16	8	10
Leisure, Travel & Tourism	2		5	22			26	3	22	5
E-learning	7	1	4	9	3	5	12	9	15	3
Medical Device	11	3	3	6	7	4	10	3	14	5
Automotive	3	4	5	6	3	6	11	9	14	3
Information Services	6	4	4	5	6	4	8	4	10	5

Average Years of Experience and Posting Count by Company Size

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

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

Posting Count by Company Size

Bar chart titled "Posting Count by Company Size" showing Posting Count (y-axis) versus Company Size (x-axis):

Company Size	Posting Count
1,001-5,000 employees	2454
51-200 employees	861
201-500 employees	781
10,001+ employees	693
501-1,000 employees	491
11-50 employees	368
5,001-10,000 employees	207
1-10 employees	117
	87