

Job Market Analysis

Analysis US Technical Jobs 2017-2021



Job Title Analysis

- 1- Which is the most requested job title ?
- 2- Is count of job applicants equivalent with count of offered job ?



Salary Analysis

- 1- What is the average pay for the technical jobs?
- 2- Does average pay change over years?
- 3- Does average pay differentiate depending on company location?



Skills Analysis

- 1- Which is the most required skill ?
- 2- how many times does SQL, Python or Power BI appear in skills?
- 3- Is there a relation between skills & experience level?
- 4- Which industry seems to require more skills ?



Industry Analysis

- 1- Which is the leading industry in the technical jobs?
- 2- Does average pay differentiate depending on industry ?
- 3- Does big size companies only offer technical jobs ?



Job Title Analysis

Company Industry

All

Years of Experience

All

Job Position Level

All



Count of Job Posting ID by Job Title



Job Title By Job Count VS Applicants Counts



Job Position Level	Business Analyst	Data Analyst	Data Engineer	Data Scientist	Developer	Operations Analyst	Product Manager	Senior Analyst	Software Developer	Software Engineer	Ux Researcher
Associate	79,587.21	77,711.54	128,600.00	117,264.71	91,000.00	61,800.00	142,208.33	85,794.12	96,000.00	134,614.81	112,000.00
Director	79,500.00			179,200.00			122,500.00			148,100.00	
Entry level	67,142.86	73,925.00	100,847.83	99,333.33	79,214.29	62,500.00	88,100.00	55,500.00	83,147.06	101,102.94	
Executive	125,500.00			183,500.00	142,500.00						
Internship	44,900.00			124,250.00						87,500.00	
Mid-Senior level	105,380.17	98,250.00	138,636.63	157,074.63	136,192.31	79,000.00	143,913.04	102,333.33	99,241.94	142,788.83	137,000.00



Salary Analysis

Job Title

All

Job Position Level

All

Job Location

All



Average Pay



Job Count

25.11K

Applicants Count VS Job Count

Applicants Count Job Count

91.19%

8.81%

Average Pay By Location

Job Count Average Pay



Average Pay Over Years

Average of Maximum Pay Average of Minimum Pay Average Pay





Skills Analysis

Job Title

All

Job Position Level

All

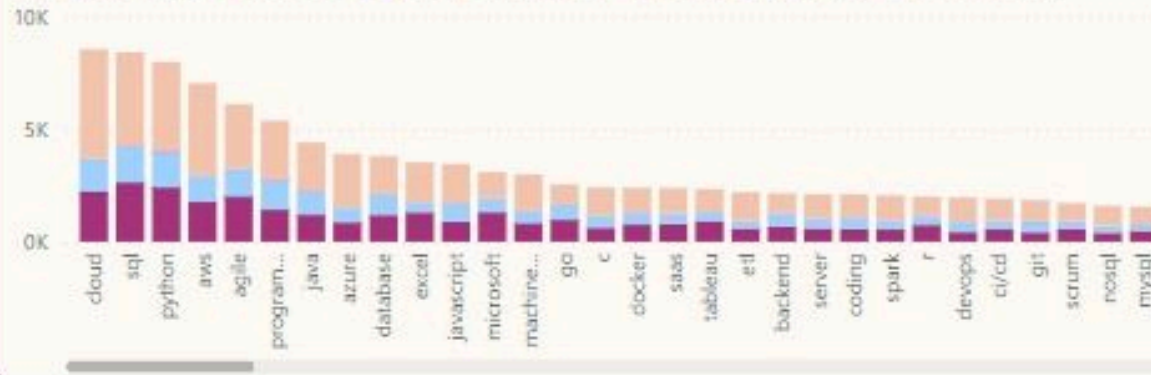
1/1/2017

12/31/2021



Job Skills By Position Level

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



power_bi

1195

Skill Count



python

7986

Skill Count



sql

8412

Skill Count



25K

Posting Count

161K

Skill Count

Job Count VS Skill Count By Industry

Job Count ● Skill Count



Job Skills	Job Position Level	Count of Job Posting ID	% Skill in Posting
agile	Associate	1961	27.68%
agile	Director	78	37.32%
agile	Entry level	1184	28.65%
agile	Executive	8	27.59%
agile	Internship	8	9.76%
agile	Mid-Senior level	2869	21.13%
Total		161082	641.40%



Industry Analysis

Job Title

All

Job Position Level

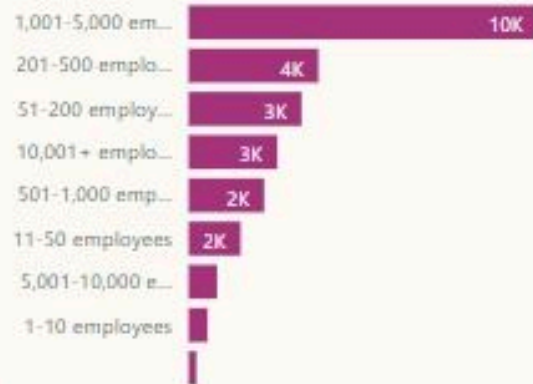
All

1/1/2017

12/31/2021



Job Count By Company Size



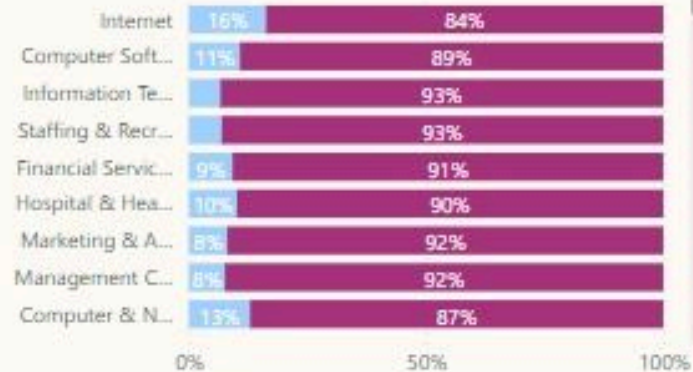
Company Size VS Job Level & Experience

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



Job Count VS Applicants Count By Industry

Job Count Applicants Count



Industry VS Average Pay By Job Count

Posting Count Average Pay

