



Data Analysis Assessment

Jobs Data

SYEDA NAMEERA TAHSEEN



ANALYZE THE DATA

Agenda

- Introduction
- Positions in high demand
- Companies with job listing
- Industries with most jobs
- Industries with the least job
- Location with most jobs
- Jobs that require data skills
- Job that require a bachelor's degree



INTRODUCTION

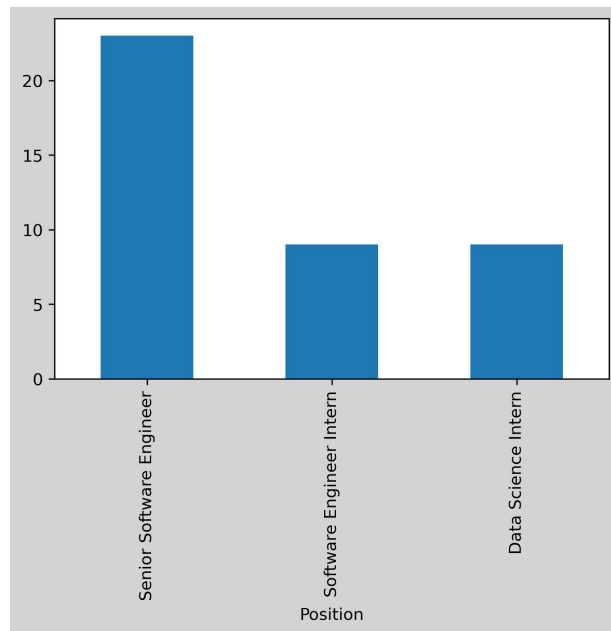
- The dataset has details of job posts across different job boards

Position	Company	Location	Industry	Posted On	Extracted On	Job Type	Qualification	Job Description	Job Id	Experience	Start Date
Data Analytics Intern	RHUX Analytics	Tacoma, WA	Information Technology & Servicess	NaN	NaN	NaN	Bachelor's (Preferred)	* Track and analyze key marketing and social m...	NaN	SQL: 1 year (Preferred)\nBusiness Analysis: 1 ...	NaN
Systems Engineering Intern	Sound Transit	Seattle, WA 98104 (International District area)	Transportation/Trucking/Railroad	NaN	NaN	NaN	NaN	The Systems Engineering intern will support th...	NaN	NA-Feb 2020 Data	NaN

POSITIONS IN HIGH DEMAND

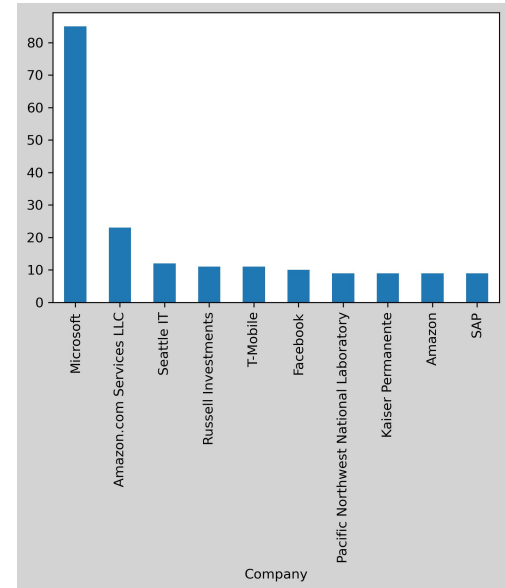
- The highest demand positions are Senior Software Engineer, Software Engineer Intern and Data Science Intern showing up 23, 9 and 9 times respectively.

	Position	count
316	Senior Software Engineer	23
374	Software Engineer Intern	9
70	Data Science Intern	9



NUMBER OF COMPANIES THAT HAVE JOB LISTINGS

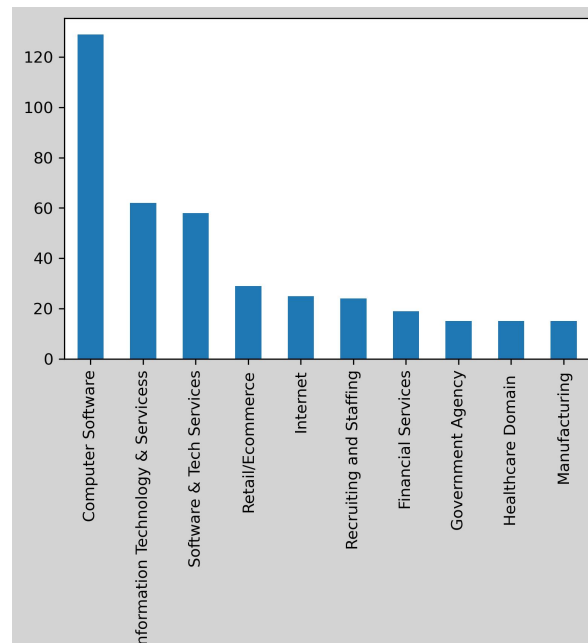
- There was a total 293 companies who posted jobs.
- Microsoft has the most jobs followed by Amazon.



INDUSTRY WITH THE MOST JOBS

- Industries with the maximum number of job listings are Computer Software, Information Technology & Services and Software & Tech Services having 129, 62 and 58 job postings respectively.

	Industry	count
14	Computer Software	129
40	Information Technology & Services	62
64	Software & Tech Services	58





INDUSTRY WITH LEAST JOBS

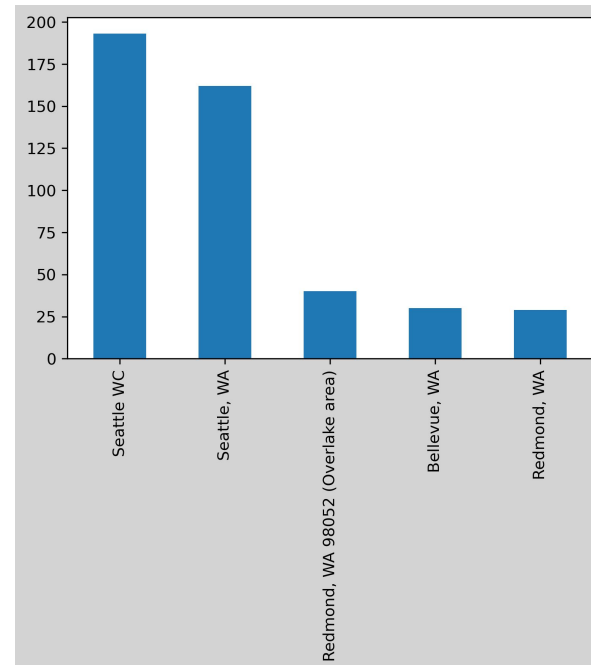
- Industries with the minimum number of job listing industries are Pulp and Paper Industry, Healthcare software company, Social Services, Hotel and Software life Science, each just having one job posting.

Industry count		
56	Pulp and Paper Industry	1
34	Healthcare software company	1
63	Social Services	1
37	Hotel	1
65	Software life Science	1

LOCATION WITH MOST JOB

- Location with maximum job listing are Seattle WC, Seattle, WA, Redmond, WA 98052 (Overlake area), Bellevue, WA and Redmond, WA with 193, 162, 40, 30 and 29 job listing respectively.*
- The average is 9.571429.

	Location	count
48	Seattle WC	193
49	Seattle, WA	162
37	Redmond, WA 98052 (Overlake area)	40
6	Bellevue, WA	30
36	Redmond, WA	29



*Note that WC is most likely a typo. Also there are two categories for Redmond.



JOB THAT NEED ...

Data Skill

- 585 jobs out of 606 job postings (or 96.5% of jobs) need data skills.

Bachelor's degree

- 159 jobs requires a minimum of bachelor's degree out of the total 606 jobs posted, or 26% of jobs require applicants who are either pursuing or have completed a Bachelor's Degree.



FURTHER QUESTIONS

Data quality issues that need to be investigated

1. Position quality issues: Same position has many names. For example, should Data Analytics and Data analysts be considered separate positions or one and the same?
2. Industry quality issues: Are Computer Software, Information Technology & Services and Software & Tech Services really different industries?
3. Location quality issues: Same location has multiple names: Are Redmond, WA 98052 (Overlake area) and Redmond, WA the same location? Should Seattle, WA 98101 (Downtown area) and Seattle, WA be considered the same?