FORTUNE 500 COMPANIES:
A DEEP DIVE ANALYSIS OF THE JOB MARKET FOR DATA SCIENTISTS
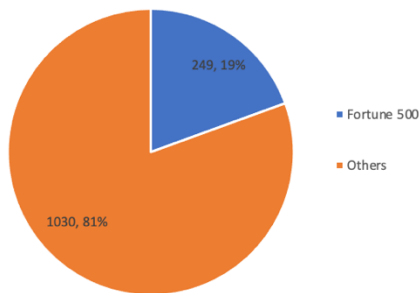
Managerial Summary

- 19% of open positions looking to fill in a "Data Scientist" role have been posted by Fortune 500 company
- Of the Fortune 500 open positions: the Tech, Financial and Retailing industry account for 40%, 22% and 20% respectively
- Main hubs: New Jersey (and co.), California & Washington
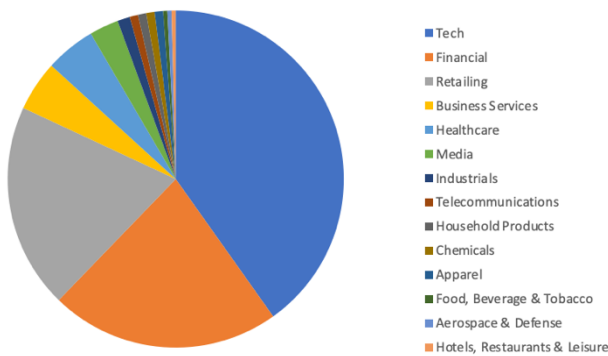- Top 3 skill requirements: Python, Machine Learning, SQL

Methodology

- Extraction of data scientist jobs from the full database *[SQL]*
- Data cleaning and matching of companies to Fortune 500 list according to industry *[SQL/Excel]*
    - Post-Extraction sanity check was required to catch alternate company names (ex. Alphabet / Google)
- Data cleaning of location data and aggregation into zones *[SQL]*
- Extraction of main technical skills from job post description *[SQL]*
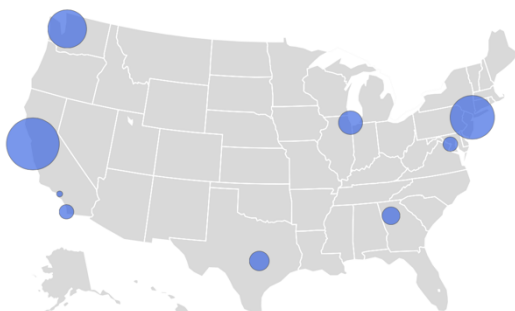- Visualization of main findings *[Python/Excel]*
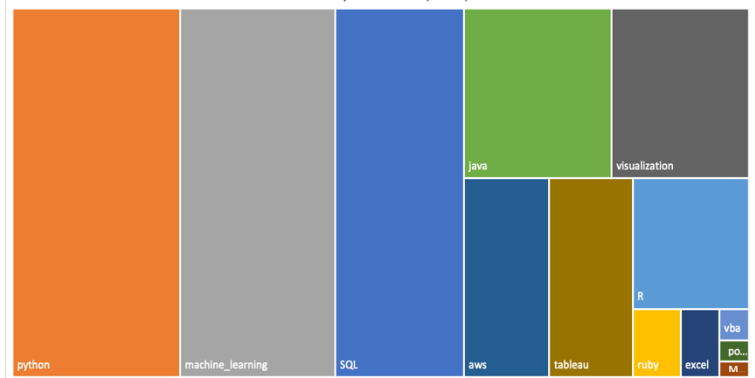
Detailed Findings

data scientist # job postings

data scientist job postings per industry (F500)

skill requirements (F500)

Data Scientist job postings
(Fortune 500 companies)

Industry (F500)	jobs	skill 1	skill 2	skill 3
Aerospace & Defense	1	java		
Apparel	2	python	ML	visualization
Business Services	12	python	sql	ML
Chemicals	2	python	ML	R
Financial	55	python	ML	sql
Food, Beverage & Tobacco	1	sql	tableau	visualization
Healthcare	12	visualization	python	sql
Hotels, Restaurants & Leisure	1	python	sql	R
Household Products	2	python	sql	tableau
Industrials	3	ML	python	sql
Media	7	ML	python	sql
Retailing	49	ML	python	sql
Tech	100	python	ML	sql
Telecommunications	2	python	ML	sql