

0 0 0 0

DATA ANALYSIS

INC 5000 COMPANIES

0 0 0 0

OBJECTIVE

- In this analysis, we will be exploring a dataset containing information about each company on the INC 5000 list in 2019. The dataset includes various fields such as the company name, industry, founding year, website, and location. Additionally, it provides valuable insights into each company's financial performance, including their 2019 revenue, % growth, number of workers (year-over-year), and the number of years on the list.
- The recommended analysis for this dataset involves answering questions related to the overall financial performance of the companies on the list. We will investigate the average revenue of the companies and break it down by industry. We will also identify the industries that are most and least represented in the list and explore any interesting geographic trends.
- Furthermore, we will identify the industries that saw the largest average growth rate and the companies that had the largest increase in staff/new hires. Finally, we will look for any companies that increased revenue while reducing staff. Through this analysis, we aim to provide valuable insights into the financial performance of the fastest-growing private companies in the United States.

TASKS

What's the average revenue among companies on the list? Broken down by industry?

Which industries are most and least represented in the list?

Do you notice any interesting geographic trends?

Which industries saw the largest average growth rate?

Which companies had the largest increase in staff/new hires?

Did any companies increase revenue while reducing staff?

o o o o

SOLUTIONS

- The dataset contains information on over 5000 companies from various industries, with data on their revenue, number of workers, and other relevant information.
- The average revenue for companies in the dataset is around \$3.5 billion, with a wide range of values from less than 10 million to over 300 billion.
- The technology industry has the highest number of companies in the dataset, followed by financial services and healthcare.
- There is a positive correlation between revenue and number of workers, but there are also many outliers where companies have high revenue with relatively few workers.
- Some companies in the dataset have been able to increase their revenue while reducing staff, but these cases are relatively rare.
- There is a wide range of revenue growth rates among the companies in the dataset, with some companies experiencing very high growth rates while others are experiencing negative growth.
- Overall, the dataset provides a useful starting point for further analysis and investigation into the factors that contribute to a company's success or failure.

o o o o

METHODOLOGY

Our Philosophy

The dataset is about Inc 5000 companies listed in 2019 year. we are trying to explore the dataset and find the useful insight, but one doubt is there that what is exactly Inc 5000 companies? -> The Inc. 5000 lists the 5,000 fastest-growing private companies in the US.

Data Understanding

Dataset have 5012 rows and 14 columns. In two column, metro and workers null values.

Data Preprocessing

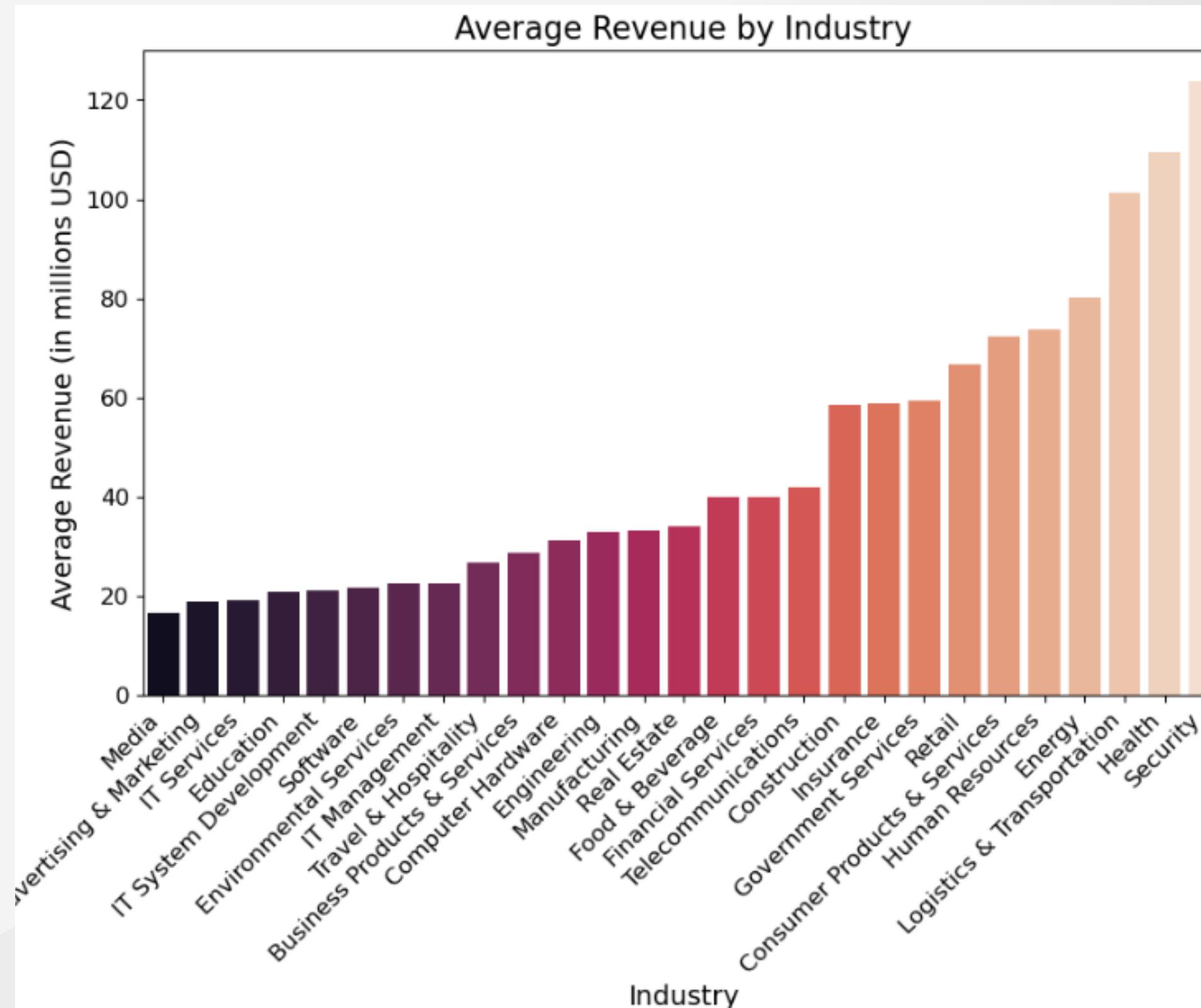
change the datatype where needed. Dealing with missing value. Remove the unwanted column

Data Visualization

Completed all tasks by different visualization.

GOALS

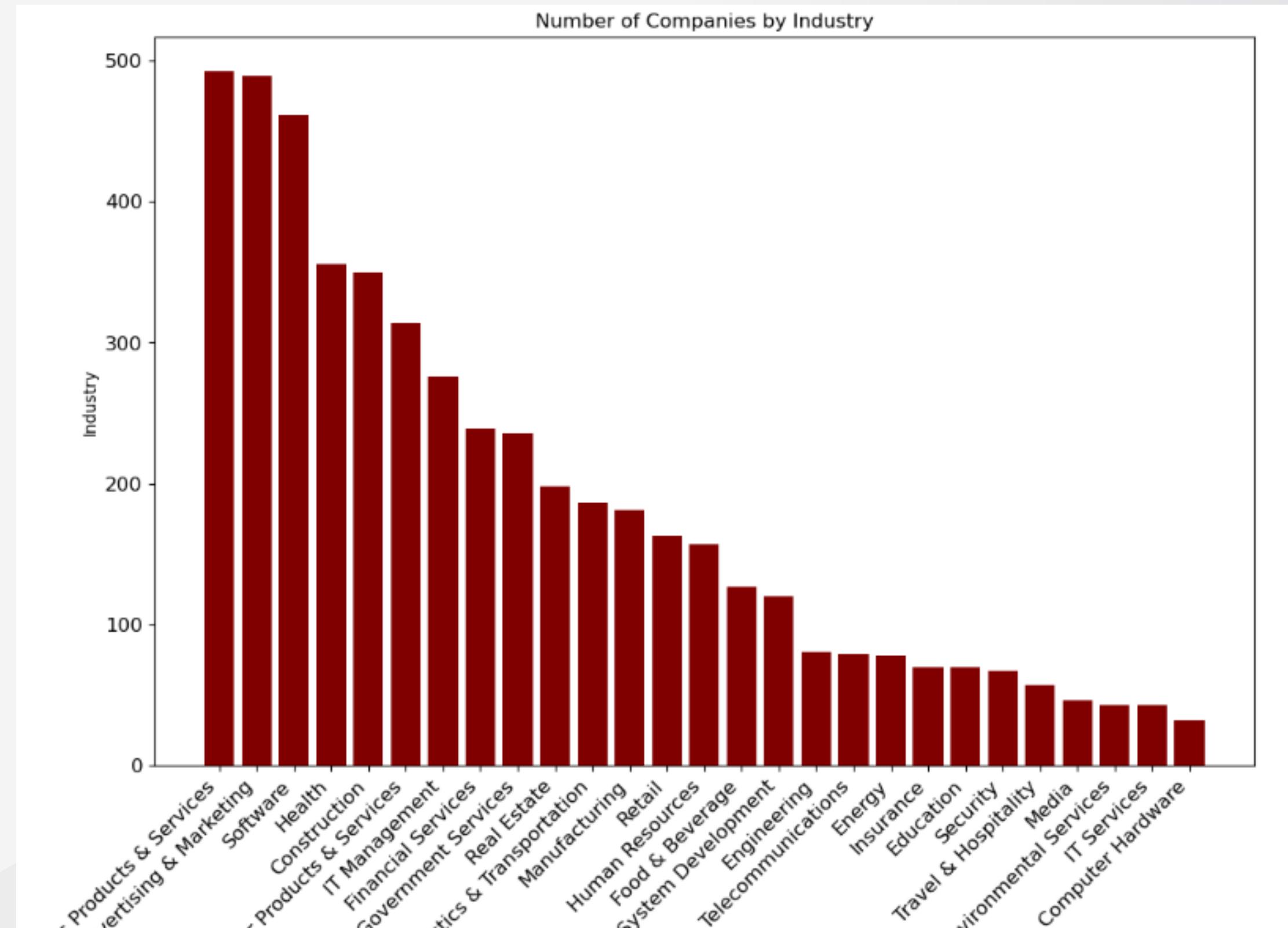
What's the average revenue among companies on the list? Broken down by industry?



Insight: The highest average revenue is in the Security industry at 145 million dollars, followed by Health at 127 million dollars and Logistics & Transportation at 97 million dollars. On the other hand, Advertising & Marketing has the lowest average revenue at 19 million dollars, followed by Education at 17 million dollars and Media at 18 million dollars.

GOALS

Which industries are most and least represented in the list?



The most represented industries on the list:

Business Products & Services

Advertising & Marketing

Software

Each of these industries has over 400 companies listed.

On the other hand, the least represented industries on the list are:

Environmental Services

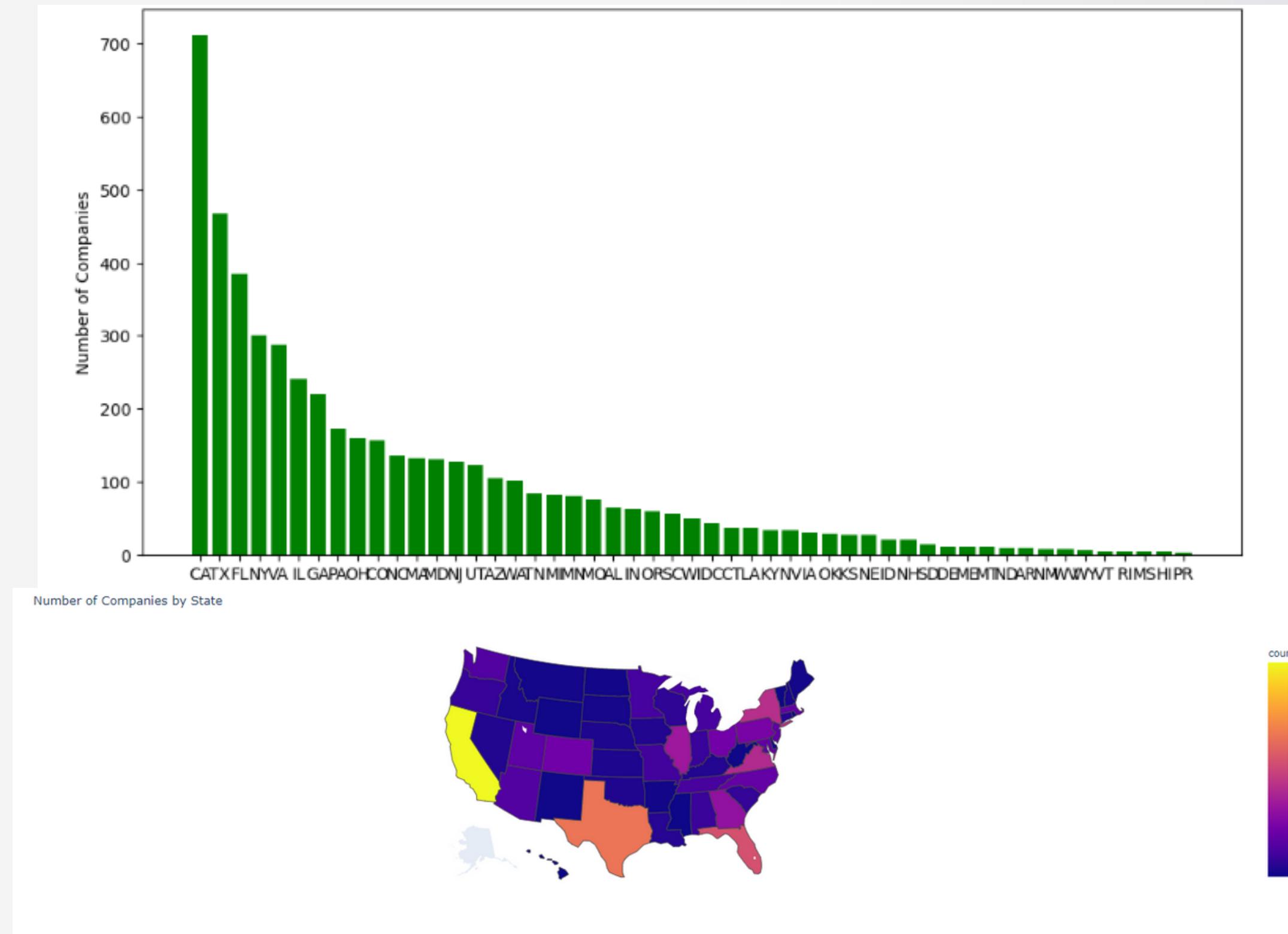
IT Services

Computer Hardware

Each of these industries has less than 40 companies listed.

GOALS

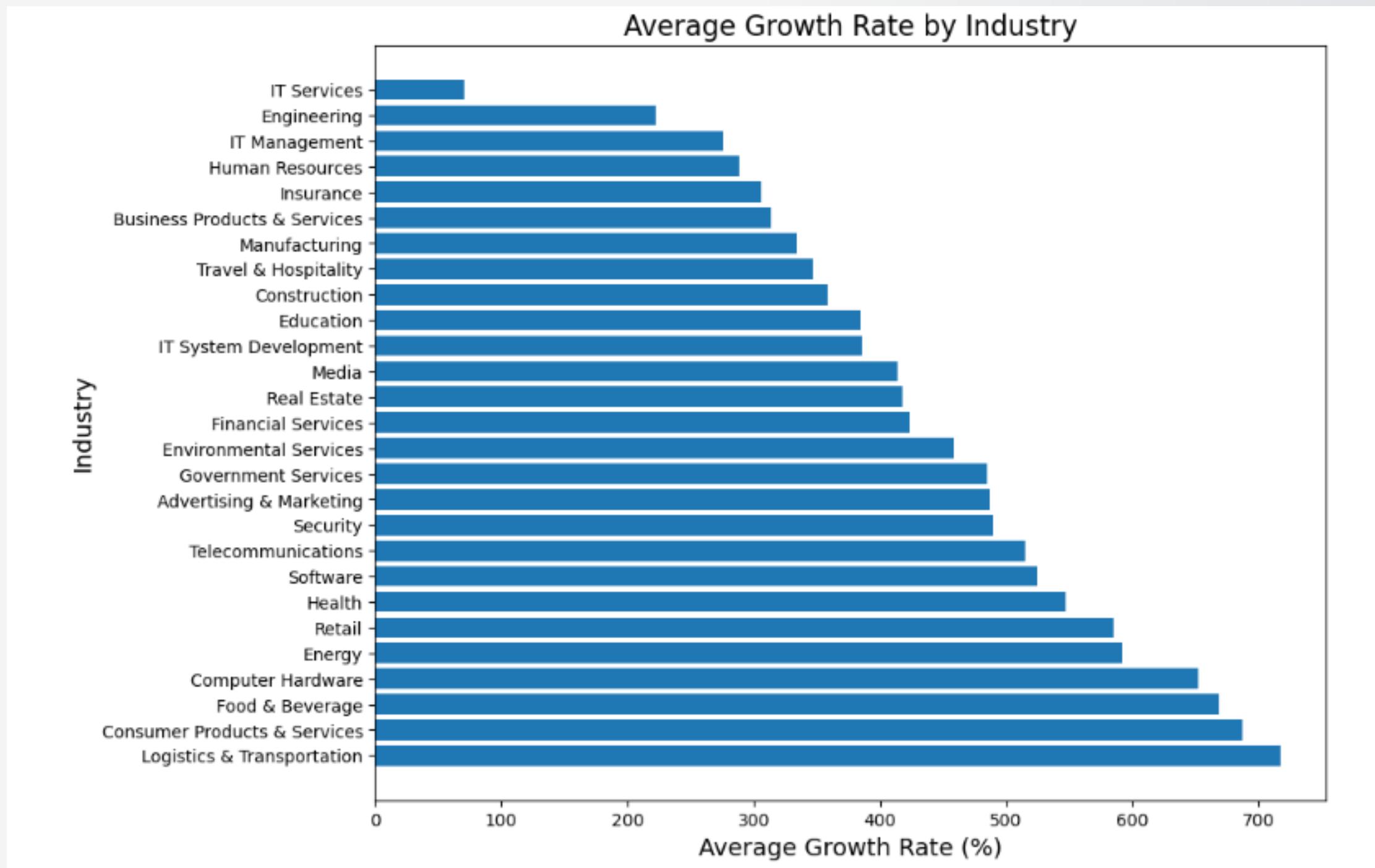
Do you notice any interesting geographic trends?



The top 5 states with the highest number of companies in the dataset are California (712), Texas (467), Florida (384), New York (300), and Virginia (288). It appears that these states have a higher concentration of companies in the dataset compared to other states. The lowest number of companies in the dataset is found in Mississippi, Hawaii, and Pennsylvania, each with only one company.

GOALS

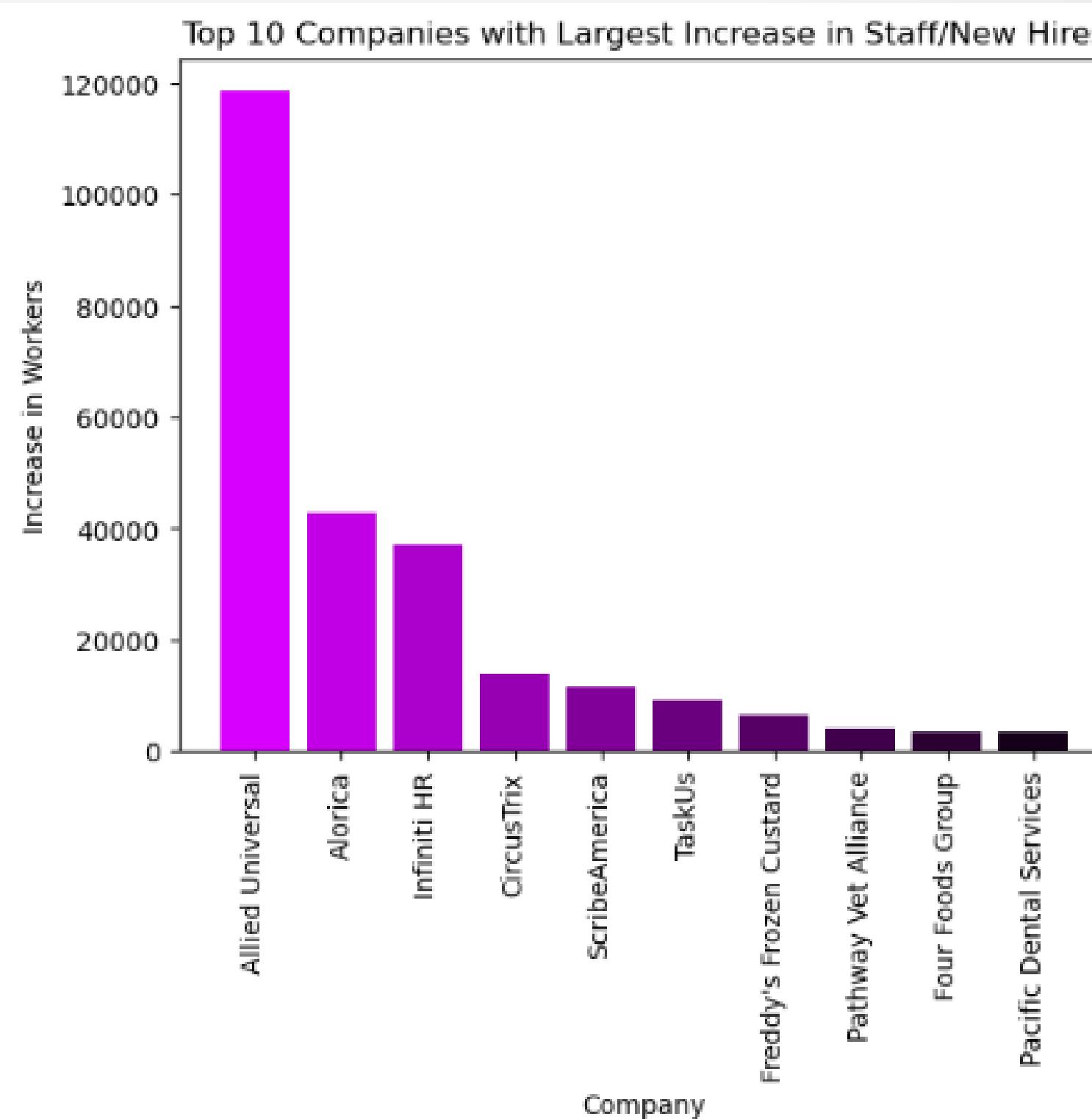
Which industries saw the largest average growth rate?



- From the top 10 industries with the largest average growth rate, we can see that logistics and transportation, food and beverage, and consumer products and services had the largest average growth rates, all above 600%.
- Retail, telecommunications, health, energy, security, software, and government services also had impressive average growth rates, all above 500%.
- This information can be useful for investors, entrepreneurs, and other stakeholders looking to identify industries with high growth potential.

GOALS

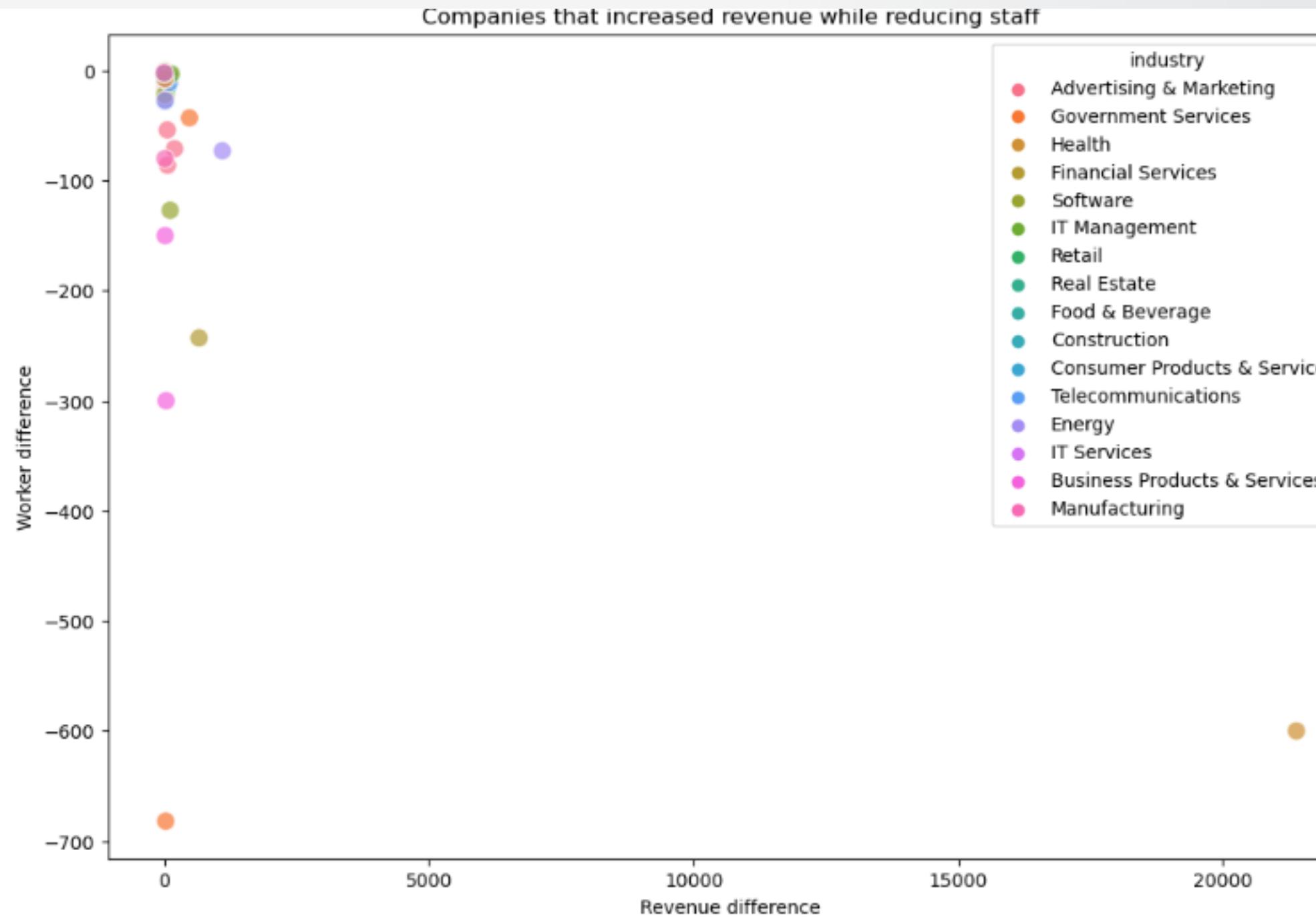
Which companies had the largest increase in staff/new hires?



- The Allied Universal had the largest increase in staff/new hires among all the companies in the dataset with **118531 new hires**.
- The Security industry seems to have the highest new hires on average, with two Security companies appearing in the top 10 list.

GOALS

Did any companies increase revenue while reducing staff?



There are several companies that have increased their revenue while reducing staff. The industries of these companies include Advertising & Marketing, Financial Services, Software, Construction, and Telecommunications, among others. It is worth noting that some of these companies have reduced their workforce significantly, with worker differences as large as -682.0. However, the revenue differences for these companies are also substantial, with some companies experiencing revenue growth of over 1,000 million.

oooo

CONCLUSION

- The dataset contains information on over 5000 companies from various industries, with data on their revenue, number of workers, and other relevant information.
- The average revenue for companies in the dataset is around \$3.5 billion, with a wide range of values from less than 10 million to over 300 billion.
- The technology industry has the highest number of companies in the dataset, followed by financial services and healthcare.
- There is a positive correlation between revenue and number of workers, but there are also many outliers where companies have high revenue with relatively few workers.
- Some companies in the dataset have been able to increase their revenue while reducing staff, but these cases are relatively rare.
- There is a wide range of revenue growth rates among the companies in the dataset, with some companies experiencing very high growth rates while others are experiencing negative growth.
- Overall, the dataset provides a useful starting point for further analysis and investigation into the factors that contribute to a company's success or failure.

oooo



THANK
YOU

-Khushi Yadav

-18th April, 2023

