

Data Visualisation – Approach and Techniques Tasks

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Practical task 1

- Which industries saw the most growth?

From Figure 1 below, we can see that the five best-performing industries of the companies on the Inc5000 List are, Consumer Products & Services, IT Services, Health, Advertising & Marketing, and Business Products & Services.

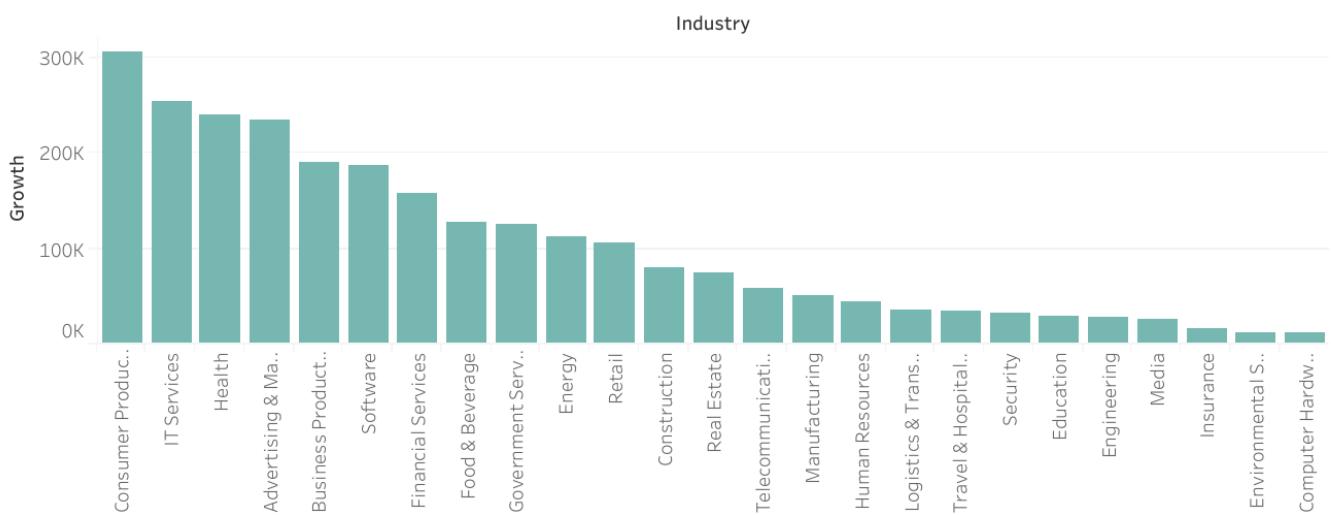


Figure 1: Best-performing industries of companies on the Inc5000 Company List

- Do companies that have been on this list longer have a higher chance of appearing again in this list?

Figure 2 on the next page is a pie chart showing the percentage of companies by the number of years they have been on the Inc5000 Company List. As the number of years increases, the number of companies in each group decreases quickly. Thus, most companies have only been on the list for a year (37.36%), and very few have been on the list for six or more years (less than 5%). If more companies managed to stay on the list long-term, the data would show the opposite trend, with higher numbers of companies in the higher-year categories.

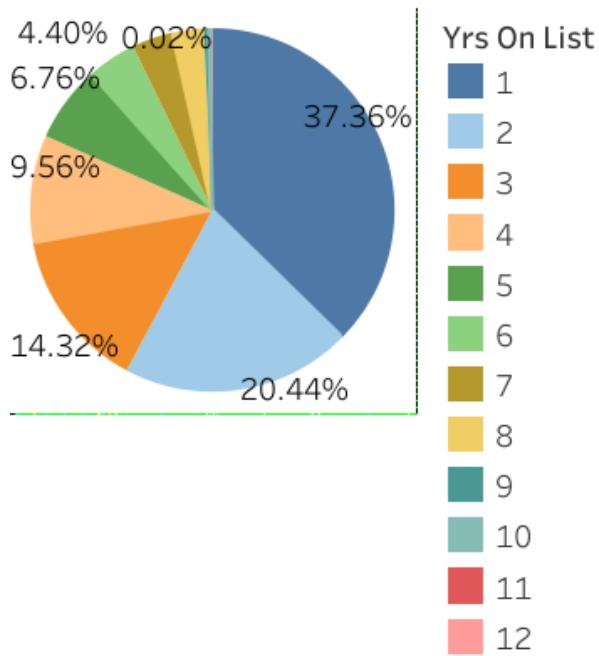


Figure 2: Inc5000 Companies by years on the list

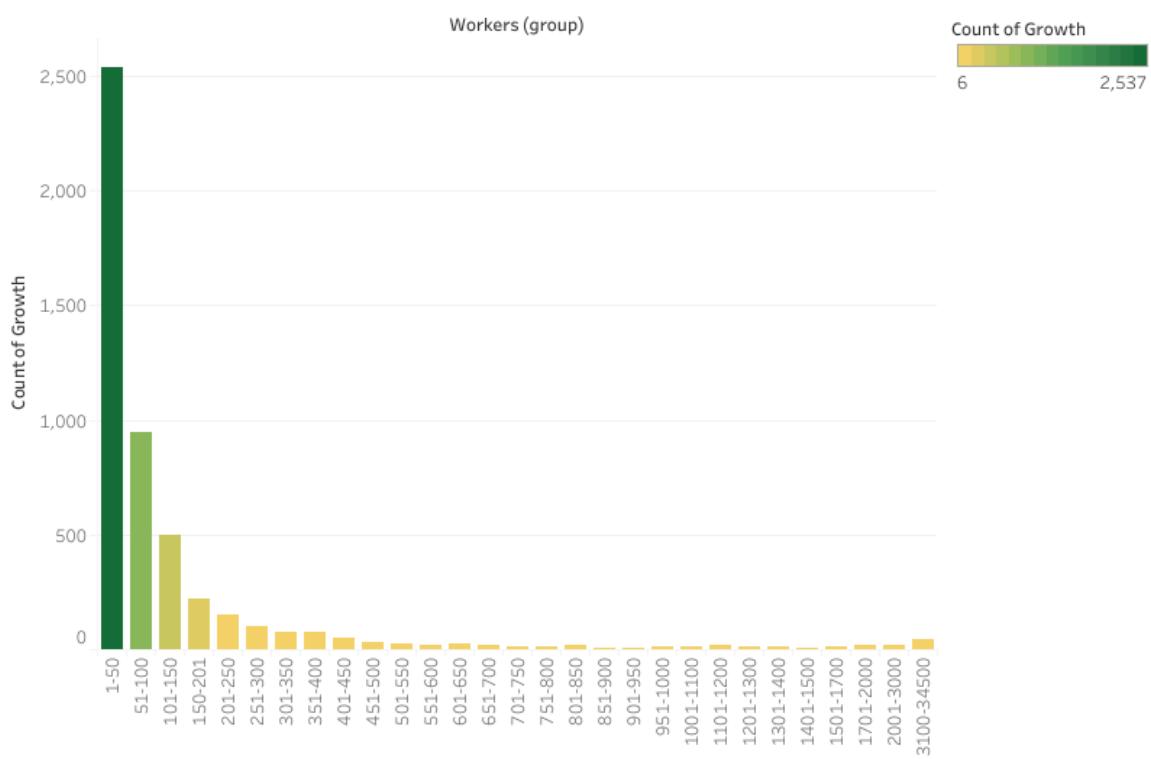


Figure 3: Inc5000 Companies growth compared to number of employees

- Does the number of workers in the company affect the growth of the company?

From Figure 3 on the previous page, it is apparent that the smaller companies are able to grow faster. Small companies with fewer than 50 employees (green bar on the far left of the figure) are able to grow at exponential rates compared to large companies, especially those with a workforce of over 150 people. This can be because they have lower costs and are able to adapt to change and innovate more quickly. However, these companies can also be unstable. While the large companies show very low growth rates (yellow bars), they will likely tend to be more stable.

- Which state can you find most of the IT companies in?

As shown in Figure 4 on the previous page, most IT Inc5000 Companies are in California. This is followed by Virginia, Texas, Georgia and Illinois.

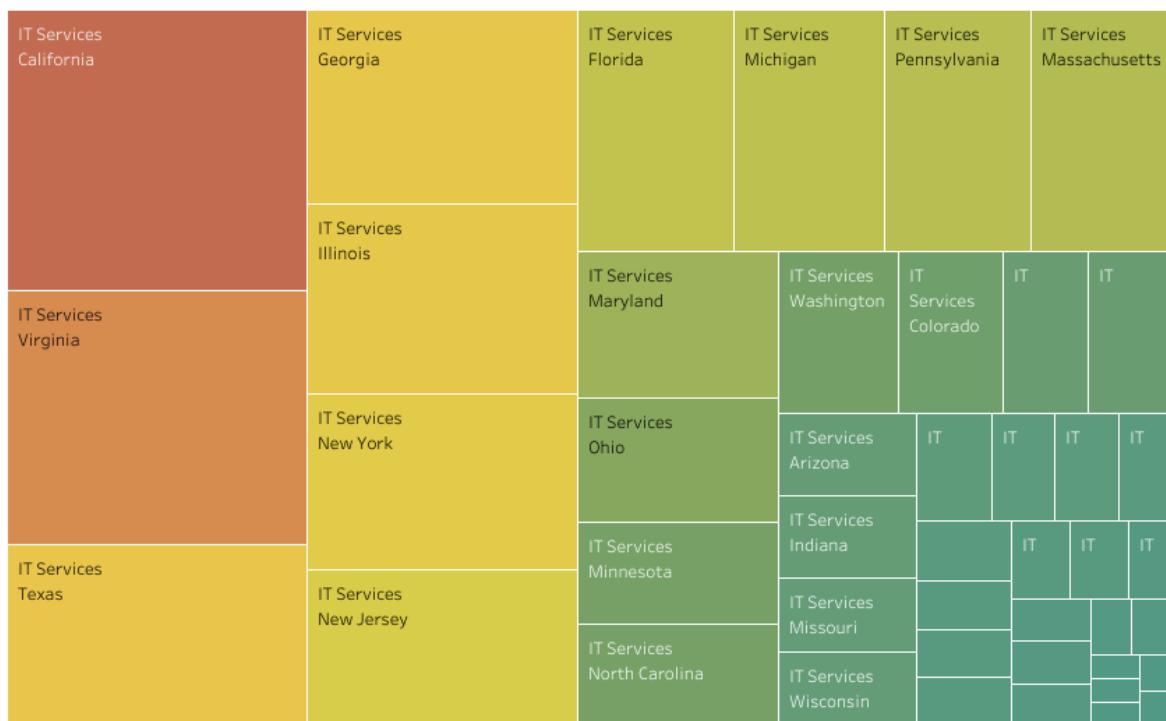


Figure 4: Heatmap of Inc5000 IT Companies by state

- Which cities have seen the most growth?

Inc5000 Companies located in New York, Atlanta, Chicago, San Diego and Austin have seen the strongest growth. This is apparent in Figure 5 on the next page, which is sorted by company growth levels.

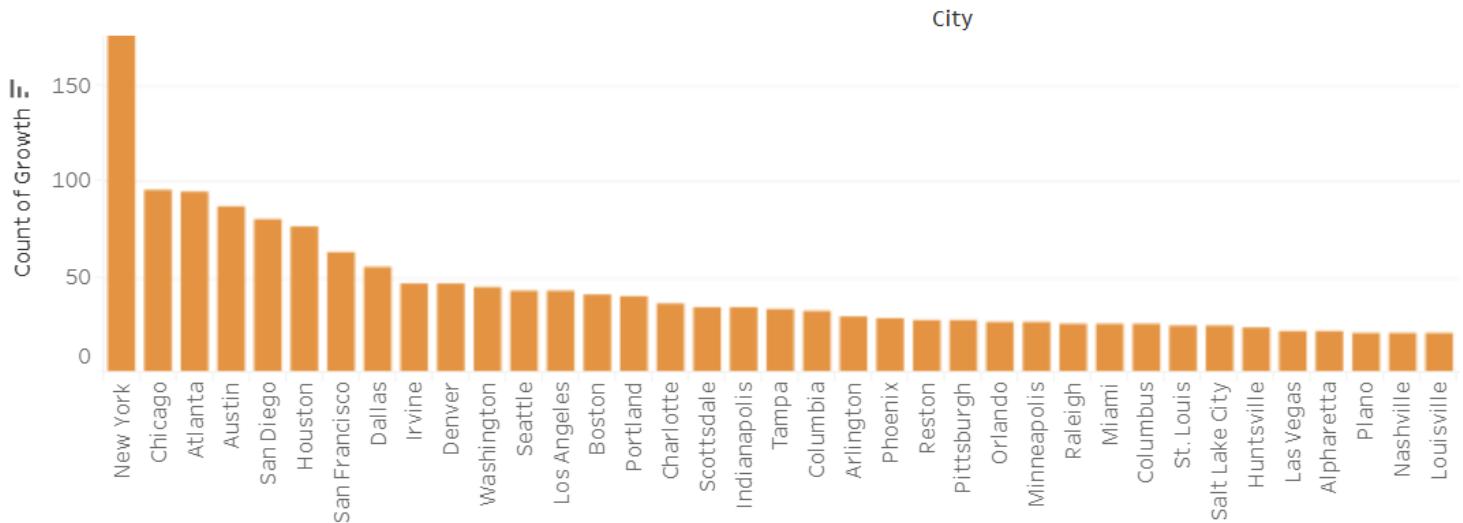


Figure 5: Inc5000 Companies growth by city

References

HyperionDev. (2025). Data Visualisation – Approach and Techniques. Course materials. Private repository, GitHub.

HyperionDev. (2025). Data Visualisation – Tableau. Course materials. Private repository, GitHub.

Tableau. (2024). Use Tableau on the Web. https://help.tableau.com/current/pro/desktop/en-us/web_author_home.htm