Datasets used:

- Inc5000 US Fastest Growing Companies 2007-2017

- Inc5000 US Fastest Growing Companies 2018

- Inc5000 Europe Fastest Growing Companies 2016

- Inc5000 Europe Fastest Growing Companies 2017

- Inc5000 Europe Fastest Growing Companies 2018

Data Cleansing:

Dataset provided in Dataworld / Aurielle /inc 5000

- Found blanks in each csv and determining if rows were needed. Standardized the column names across all csv’s. By dropping unwanted columns made the dataset more up-to-date and clearer. Since blank industry fields existed determined the correct industries by researching the companies. Also concatenated the csv’s into a single US Data frame and a single European Data Frame.

Visualizations: Researched into the following questions to present the data visually.

1. What correlation does growth have to revenue?

- Scatter plot of revenue vs growth to see how spread European companies are in terms of growth and current revenue

- Scatter plot of revenue vs growth to see how spread United States companies are in terms of growth and current revenue

- These graphs showed the spread of revenue totals and their accompanying growth rates per company. The main insight

how European companies that made this list had a higher probability and chance of having both moderately high

revenue as well as a relatively high growth percentage year over year.

- Strip plot scatter plot of the growth per industry: United States

- Strip plot scatter plot of the growth per industry: Europe

- These graphs showed the revenue totals per company per industry. They helped visualize outliers within an industry.

The insight for these graphs was pointing out the giant outliers in both datasets. Health in the US had a large outlier

(HCA) and Europe had a large financial industry company.

In general, in Europe, the companies had more spread in the level of revenue that across all industries.

2. Are fastest growing companies relatively concentrated in certain areas?

- Heat map that shows where the greatest number of companies are located that appear in the top 5000 over the course

of 11 years (2007-2018)

- The greatest concentration of companies was displayed to be in NY, TX, FL, CA with smaller but still significant

concentrations around Chicago, and Atlanta. In general, however, the Midwest was well represented contrary to

our preconceptions.

3. What industries are doing better(revenue) in United States than Europe?

- Double bar graph that compares key industries' revenue over the course of 2016-2018

- This graph was really telling how the US compares to Europe across various industries. Health, Energy, and

retail really stuck out. Europe was in general out performed by the US across the board but were behind in key areas.