**Data Analysis and Visualization for Financial and Business Analytics**

**Visualizations to Show Insights**

 **Distribution of companies across different sectors**:

* **Goal**: To see which sectors are most and least represented in the S&P 500.

 **Industry with the most companies**:

* **Goal**: To identify which industry has the highest representation.

 **Geographical distribution of headquarters**:

* **Goal**: To visualize where companies are based geographically.

 **Companies founded in each decade**:

* **Goal**: To analyze the growth of companies over different decades.

 **Average age of companies in each sector**:

* **Goal**: To compare the maturity of different sectors based on company ages.

 **Composition of the S&P 500 over time**:

* **Goal**: To understand how the composition of the index has changed.

 **Sectoral distribution of companies founded in the last 20 years**:

* **Goal**: To focus on new companies and their sector distribution.