CSC-324 Dataset

Ideas

- Finding trends and interesting insights using sleep dataset
- Compare and contrast the growth of companies such as Tesla and Amazon before and after the pandemic
- Change in net worth of billionars during COVID
- Compare and contrast salaries earned accross different sports (MLB vs NFL vs NBA vs European soccer)
- Use an annual list of world's largest companies to see which countries and which sectors have grown over the past few years
    - **https://www.kaggle.com/arjunprasadsarkhel/forbes-top-200020172021**

      (https://www.kaggle.com/arjunprasadsarkhel/forbes-top-200020172021)
- College search
    - **https://www.kaggle.com/sumithbhongale/american-university-data-ipeds-dataset/home**

      (https://www.kaggle.com/sumithbhongale/american-university-data-ipeds-dataset/home)

What is your dataset about?

The dataset is about American universities consisting of variables such as 50% of SAT scores, tuition costs, etc. It also contains information such as longitude, latitude, and geographic region, which helps gather collections about different areas in the country.

What questions will you investigate through your dataset?

Since the goal of my project is to create a college search visualization, I do not have a question that I would like to address through the dataset. However, I hope to address

questions that users have and aid in helping them find answers.

What visualizations do you expect to create?

I expect to create a table that summarizes the relevant information to the user and a map that shows where the colleges are located in the country. Based on the user's specified criteria, I hope to filter out unnecessary information and deliver the appropriate result. I also plan to create a scatterplot that shows the relationship between the given two variables (not sure what to do yet).

Why?

I plan to create a table to represent only the critical information. I believe it would be better to provide users with a summary chart instead of a graph. The plotted map will be helpful if the user wants to know where the college is located. A map is the easiest way to show the outcome in this case. Users can use a scatterplot to compare the correlation between two variables, such as tuition vs. future expected income. It would be a nice tool for users to play around with and learn more about the college they might be interested in applying to.