**Ideas for Capstone Project**

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1. **COVID-19 Prediction**

Since this new coronavirus has become a pandemic all over the world, it caused great concern about the virus spreading over different countries, correlation between weather and mitigation, how to recover according to old recovery records, and most importantly, what will happen in the future, infection records, death records and timeframe of termination.

Data source: <https://www.kaggle.com/sudalairajkumar/novel-corona-virus-2019-dataset>

1. **Climate Change: Earth Surface Temperature Data**

There is a controversy about climate change in our age, is it a real threat to our living environment or is it a dodgy science only? It is meaningful to take an in-depth analysis to form solid views to make a judgment. Visualize for previous and current climate change, forecast the future global warming across the countries and continents will exhibit a clearer picture to make a conclusion about the past and predict about the future.

Data Source: <https://www.kaggle.com/berkeleyearth/climate-change-earth-surface-temperature-data>

1. **Web Traffic Time Series Forecasting**

The field of time series encapsulates many different problems, ranging from analysis and inference to classification and forecast. There are real-world problems out there corresponding to sequential or temporal observations. By utilizing time series data, we do can help predict future views and answer questions from financial market, pandemic spreading, climate change, et al. One of the practical problems in this field is forecasting the web traffic, which could be beneficial for marketing strategies.

Data Source: <https://www.kaggle.com/c/web-traffic-time-series-forecasting>