Capstone 2 Project Proposal

1. An Evaluation of Accidental Oil Spill data
   1. Short Description: I would like to conduct an in-depth analysis of the cost and top causes of oil spill accidents since 2010. There are a lot of oil companies out there who experience accidental oil spill due to natural disasters or equipment failure. I would like to potentially build a model the could predict the cost to a company?
   2. Dataset : <https://www.kaggle.com/thisherenow/oil-pipeline-spill-visualizations/data>
   3. Potential Deliverables :
      1. Model of Cost to company
      2. Recommendations on what to look out for
2. An in depth analysis of Energy consumption by state:
   1. I would like to explore the relationship between state GDP and energy consumption for each state. I hope to find state who’s increase in energy consumption resulted in an increase in GDP. I also hope to find which stated increase in energy consumption affected the US GDP the most.
   2. Data set: <https://www.kaggle.com/lislejoem/us_energy_census_gdp_10-14/kernels>
   3. Potential deliverables:
      1. Identify the top consumers for each type of energy (coal, wind, solar)
      2. Develop a model that can classify states based on energy consumptions
3. Global Food Price Analysis
   1. I want to explore how the time of year affects food price for each region across the globe. If executives in the food industry are aware of when prices tend to shift, executives could capitalize on the potential profit.
   2. Dataset: <https://www.kaggle.com/jboysen/global-food-prices/data>
   3. Potential deliverables:
      1. Identify which region prefers which food commodities?
      2. Identify when prices rise for certain foods.
      3. Model?