**Week 3**

Team Met on 2/21, 2/23, 2/25

* 12 datasets were uploaded into Mongo
  + Stephanie Population Change
    - Clean
    - Raw
    - Predicted
  + Andrej Total Unemployment
    - Clean
    - Raw
    - Predicted
  + Patrick GDP
    - Clean
    - Raw
    - Predicted
  + Josh Unemployment Rate
    - Clean
    - Raw
    - Predicted
* Patrick and McKenzie worked on heatmap and table on visualization
* Cat and McKenzie edited and continued working on rough draft of powerpoint
* Josh ran a MLM model with a merged dataframe of all four datasets with 2024 predictions, ranks for those predictions and overall total ranks.
* Josh continued to test MLM models and wrote scripts to test all models
* Andrej, Stephanie, and Cat researched charts for visualization
* Andrej started creating plotly graphs using javascript for each MSA for the visualization
* Stephanie worked on chart for population and created regions to bucket MSAs
* Patrick found 2 more datasets (unemployment rate and labor force)
* Patrick and Cat cleaned github repo
* Cat wrote outline of rought draft of visualization
* Stephanie created a diagram of rough draft of visualization
* Cat created MVP document
* Team regrouped after MLM debate and discussed w/James a new path on MLM
* Josh testing ARIMA model after deciding with James this is the best route forward
* Cat created weekly Project status documents for submission and pushed into Github
* Josh cleaned (ETL) labor force data
* Cat cleaned (ETL) unemployment rate data
* Andrej cleaned (ETL) employment data
* McKenzie worked on ETL and taking the average for the weekly earning dataset
* Andrej updated GDP and population sets from yearly to monthly
* Stephanie worked with Josh on ARIMA model
* Patrick added layers onto heatmap
* Andrej worked on comparison charts and made line graphs in javascript for each dataset that shows historical data
* Cat made outline of machine learning writeup
* Patrick found more datasets by month but after testing ARIMA decided to use yearly datasets
* Josh mastered ARIMA model on our datasets
* McKenzie edited powerpoint presentaiton