**Problem Statement**: We are global bond investors modeling future interest rates. Currently, we are evaluating how interest rates have moved given various economic indicators. We will build a machine learning model for training and testing purposes to determine how interest rates are affected by various economic trends. The direction and basis points of interest rates for various countries will be determined.

**Machine Learning Model**:

* Linear Regression
* Decision Tree Regressor
* Random Forest Regressor

**Machine Learning Features**:

* GDP
* Unemployment rate
* Inflation rate
* Crude Oil Reserve
* Gold Reserve
* Stock Market
* Capital Flow

**Label(Outcome)**:

Interest Rate (Central Bank)

GDP (Possibly) if we are unable to determine interest rates

While the team has not made a formal decision on which particular algorithm it would use , it finds these following articles (<https://medium.com/microsoftazure/neural-networks-for-forecasting-financial-and-economic-time-series-6aca370ff412>) and (<https://www.kaggle.com/stieranka/predicting-gdp-world-countries>) as a good reference point to start with. The team can further customize the machine learning aspects based on its initial stab at the problem statement.