OBJECTIVE:

Mega Sharks proposes to discover and predict potential price movement for publicly traded equities in advance of actual price movement. Price prediction will be one tool in a small suite of tools that will be leveraged to help bring clarity to the decision-making process for trading and investing.

TRADING THESIS VALIDATION:

Trading toolbox:

1. Model time series selector
2. Closing price for the previous 5 trading days.
3. Predicted price movement.
4. Trading Strategy identification for the modeled stock. Specific strategy, i.e. SMA Crossover, Candlestick pattern identification, etc. to be determined at a future date.
5. Trend identification:
   1. Intra week trend behavior identification
   2. Yearly trend identification

RESOURCES:

Datasets that will be leveraged will include, but not limited to:

* FBprophet
* Yfinance
* Potential other data sources:
  + Alpaca API
  + 3rd party charting services