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**Stock Predictor Report**

**Sources I used to complete my project:**

<https://towardsdatascience.com/predicting-stock-prices-with-python-ec1d0c9bece1>

<https://www.youtube.com/watch?v=SSu00IRRraY&t=386s>

Both of these sources helped me with my motivation for my project. The first source guided me on how to send the text messages and the second source showed me how to use an SVR. The towardsdatascience stock screener was deprecated, therefore I had to find new Yahoo! Stock screener package. The YouTube video with Siraj gave me a brief background on how stock predictions work and what I can use to predict the price.

**Original Work:**

My original work really lies in the beginning when I was trying to find all the packages I needed and which source to use for my data. The source I used was the Yahoo! Stock screener for growth stocks. I predicted prices for ten of the top stocks in the stock screener and was pretty successful in my findings. I have tested this out by buying some Zen Desk stock. In regard to my original work, I was able to set up a cross validation scores to show how successful my program would be outside of my dataset. Comparing the cross-validation scores for linear, polynomial, and RBF along with finding the accuracy scores for each prediction. The part for sending the text message was motivated by the towardsdatascience, but I also had to put some original work into that because some of the work on the article did not work for my program.

**Baseline Score:** 75%

**Personal Contribution:** Only one in my group (Graduate Student). 100%

Please see the README for more information on how to run my program.