

## Siraj Raval

### Homework Assignment (Stock Prediction)

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First, this is the sentiment analyzer tool from this week's video <https://github.com/shangeth/NLTK-Twitter-Sentiment-Analysis>. When combined with this flask boilerplate login example, a working app for users can be made <https://github.com/alectrocute/flaskSaaS>

#### Homework

The homework for this week is to build 3 different types of regression lines to predict stock prices using Python, then print out the prediction for the best performing one.

**Step 1** - Go to Yahoo Finance and find a stock price that you want to predict. Click on historical data, then download the CSV of that stocks price history <https://finance.yahoo.com/quote/AAPL/history?p=AAPL>

**Step 2** - Use Scikit learn to try out 3 different types of regression models to predict the price of that stock for a future date. See this <https://towardsdatascience.com/in-12-minutes-stocks-analysis-with-pandas-and-scikit-learn-a8d8a7b50ee7> as an example and the scikit learn docs to see all the different types of regression models you can easily build (i.e quadratic, linear, lasso, ridge, etc.)

**Step 3** - Visualize your result using matplotlib or another plotting library of your choice

Once your code is complete, upload it to GitHub and send the github link to [gradedhomeworkassignments@gmail.com](mailto:gradedhomeworkassignments@gmail.com) with your full name as the subject line. Good luck!

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COMPLETE & CONTINUE →