

2.) Most major companies have a stock index ticker symbol and are listed on a major exchange such as the S&P 500 or the Dow Jones Industrial Average. Pick a brand that is well known (such as Apple, Nike, Walmart, etc) and research its stock price for the last 2 years by month. Fill in the table below with the data that you collect. (use historical data found on finance.yahoo.com for your stock)

Month	Stock Price	Month	Stock Price	Month	Stock Price	Month	Stock Price
2015.01		2015.08		2016.03		2016.1	
2015.02		2015.09		2016.04		2016.11	
2015.03		2015.1		2016.05		2016.12	
2015.04		2015.11		2016.06		2017.01	
2015.05		2015.12		2016.07		2017.02	
2015.06		2016.01		2016.08		2017.03	
2015.07		2016.02		2016.09			

a.) Using the information that you have collected find the linear and the quadratic regression models for your stock. Write a short narrative about whether this is a good time to buy the stock or not (is the stock generally increasing or decreasing) based off of your models

Linear Model	Correlation Coefficient
Quadratic Model	Correlation Coefficient

b.) Compare and contrast your stock and the S&P 500 by plotting the price of your stock and the price of the S&P 500 over this period of time. Get the linear model and the quadratic and correlation coefficients for each. Write a short narrative about how correlated the price of your stock and the price of the S&P 500 is over the time period requested.

Linear Model	Correlation Coefficient
Quadratic Model	Correlation Coefficient
