

# Project 5

Conrad Polkosnik

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## 1 Exercise 1 Data

For the first part of this project, I pulled the stock data on Apple by web-scraping and parsing the data in R. This data shows the open, high, low, close and adjusted close prices, along with the trading volume for each day. This data interests me as I can now use the data in R to build a financial model to predict Apple's future prices. In the future, this data will be useful as I will continuously add to it to use it for modeling future returns.

### 1.1 Sources

The website I used to scrape my data was:

<https://finance.yahoo.com/quote/AAPL/history?period1=946706400period2=1518847200interval=1dfilter=historyfrequency=1d>

The Online tutorial I used for coding of the scraping and parsing of the data was:

<https://www.youtube.com/watch?v=dP41ETMA5w>

## 2 Exercise 2 Data

For this part of my project, I pulled data on the cryptocurrency market using the CoinMarketCap API with a user-created package in R. This data shows the id, name, symbol, rank, price in USD, price in BTC, 24 hour volume in USD, market cap in usd, available supply, total supply, max supply, percent change over the past hour, percent change over the past 24 hours, and the percent change over the last 7 days for each coin in the crypto market. Also, I was able to create a treemap which emphasizes the size of each crypto in a box, measuring in terms of total marketcap.

### 2.1 Sources

The source I used for help on creating this project was:

<https://www.r-bloggers.com/analysing-cryptocurrency-market-in-r/>