

615 Final Report - Interactive Stock Charts

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Long term Goal:

The long term goal of this project is to create an shiny app that can display a myriad of statistical tests and model outputs for the future of a stock price prediction model. This model is currently being developed (684 Final), and utilizes stock price history, volume, market capitalization, and market sentiment to attempt a prediction of the future of the stock.

Short term Goal:

As I am new to Shiny or any HTML work, the short term goal, and the goal of this project is to create a simple version of an interactive stock chart. With this project as a working first model, I can continue to scale up its interactive options, tests, visualizations, and other outputs of the long term model goal

What does this Shiny app - “Interactive Stock Charts” - do?

This app utilizes the `r` package `quantmod` in order to pull stock data from free online financial data API's. With this data, the app allows the user to interactively display the price and volume for various date ranges and chart options.

List of Companies

Stock	Ticker
Apple	APPL
Microsoft	MSFT
Amazon	AMZN
Google	GOOGL
Intel	INTC
IBM	IBM
Oracle	ORCL
Tesla	TSLA
Electronic Arts	EA
Facebook	FB

Link to the Shiny app online:

https://mzebear.shinyapps.io/Interactice_Stock_Chart_615/