

Project 1: Stock Markets v. COVID-19

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Project Description:

Use data to show the impact of COVID-19 on the S&P 500 and Chinese stock market.

Research Questions:

- 1.) Which market showed larger signs of volatility as the virus spread?
- 2.) Did the COVID-19 infection rate of certain countries have a larger impact on markets than others?
- 3.) Were countries' financial markets impacted more by confirmed cases in their country or global cases?

Datasets & Sources:

- 1.) S&P 500
 - a.) <https://finance.yahoo.com/quote/%5EGSPC/history?p=%5EGSPC>
- 2.) SSE Stock Exchange
 - a.) <https://finance.yahoo.com/quote/000001.ss/history/>
- 3.) DOW Jones Industrial Average
 - a.) <https://finance.yahoo.com/quote/%5EDJI?p=%5EDJI>
- 4.) COVID-19 Data via Kaggle
 - a.) <https://data.humdata.org/dataset/novel-coronavirus-2019-ncov-cases>

Rough Breakdown of Tasks:

- 1.) Divide the datasets and begin cleaning
- 2.) Merge datasets on common time series
- 3.) Calculate measures of variance for stock markets
- 4.) Calculate infections and recovered cases along time series
- 5.) Overlay COVID-19 data w. stock data on time series
- 6.) Create visuals to help tell the story
- 7.) Write-up for findings with data visuals.