## Financial Analysis of Stocks, Crypto & Real Estate Contributors Charbel Nehme (Stocks) Coen Emmeneger (Crypto) Ebad Salehi (Real Estate) 28289.06 22 February 2022

## Executive Summary

Our analysis will collect stock, crypto and real estate data via APIs to create individual stock, crypto and real estate portfolios. The selected data will be cleaned prior to analysis before presenting our visualization and conclusion. Our visual representations will be displayed through an interactive dashboard to allow end-user review of our analysis.



#### Questions

Should FB stock holders sell shareholdings to mitigate further loss? Quantify response.

How is continued investment rationalized following the companies \$230bn wipeout and biggest one day loss in history for a US company?

Is continued investment in FB stock recommended?

Questions & Data

Px

yFinance

Facebook Prophet

# Data Cleanup & Exploration

Px. data clean

yFinance

Facebook Prophet

Insights

MC Simulation

### MC Simulation

Postmortem

### Facebook Prophet

# Recommendatio ns

Nomura

JP Morgan

**Bank of America** 

Citigroup

Credit Suisse

DZ Bank

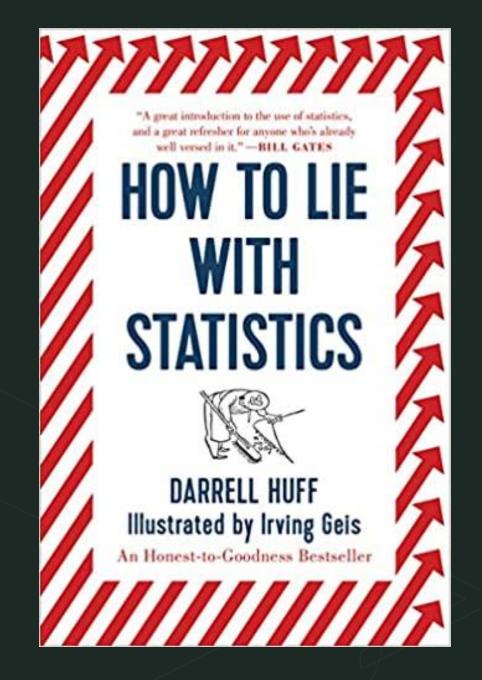
China Renaissance

Rosenblatt

Argus Research

KGI Securities

Data Analysis





Investor's Aspiration

What Does an Investor Wants?

• When?

Is It Risky?

How Rewarding?

Home Sweet Home











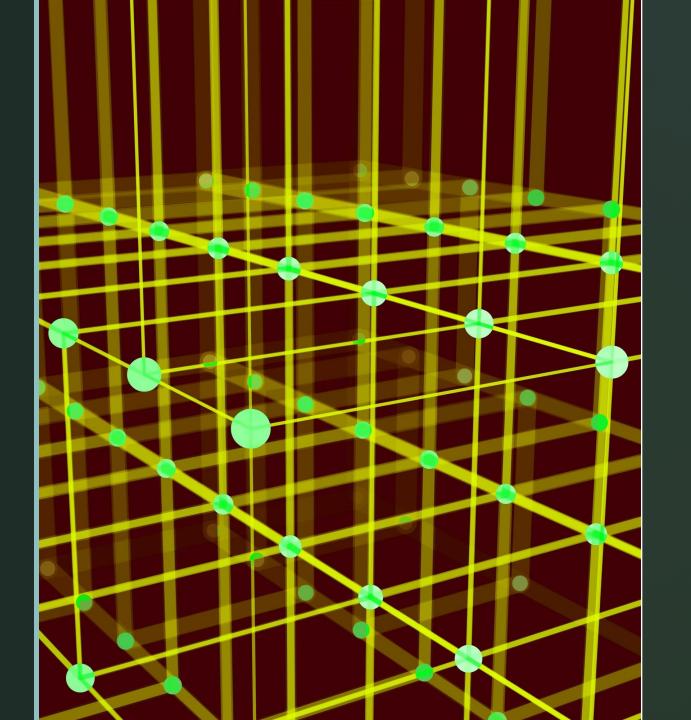
## Importing and Cleaning Data

- YFinance to import data
- Data manipulation utilising Pandas functions to create set dataframes used for analysis

#### Analysis



- Quantitative analysis
- Charting to visualise the analysis and display results
- Incorporation of visualisations into the dashboard



#### Obstacles

- API data collection
- Monte Carlo Sim for crypto assets
- Presenting visualisations through the dashboard

Questions