Project 2:

Prediction of Return on Investment (ROI)

KISS – Keep It Simple Stupid

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Project Objective:

* Predictive ROI for investors based on historical stock performance

Visualization:

* Python Flask
  + API to landing page
  + Stock performance graph by date
* HTML and CSS
  + Menu
  + Stock drop-down and filter
  + Predictive modeling
* D3 or Plotly or Both
  + Bar chart
  + Line chart
  + …
* JS library
  + ???
* Database
  + SQLite or MongoDB
  + Back-end procedure for output model

Data Sources:

* <https://www.alphavantage.co/documentation/>
* <https://stock-analysis-engine.readthedocs.io/en/latest/finviz_api.html>