STOCK ANALYSIS

**Objective:** Offering multiple services to analyzing stock market

**File Structure:**

* Back-end
  + Python scripts
    - 1 Script for each “Service”
  + Database
    - User Authentication
    - “Favorited Services”
    - Performance history
* Front-end
  + Website (using either PHP or WordPress, etc…)

**Categories:**

**Statistical**

* Long-term
  + Weeks / Months / Years
  + After x % down, how many days until it returns to original state?
* Short-term
  + Between Days
* Pattern Day Trading
  + Hourly
  + Minute
* Company Evaluation
  + Revenue
  + EPS
  + Earning surprise

Machine Learning