**Overall Blueprint:**

Python: Grab data from APIs, clean data, store it into SQL or Mongo db. (I prefer Mongo. Fornicate SQL because ORMs suck)

Python: Rescale the data.

Python or Jupyter Notebook: Feed data into AI. AI will then poop out results into DB.

Python: Run Flask server, create API that allows access to AI results and host website on Heroku or AWS or google cloud.

Javascript and HTML: Retrieve AI results and visually show the results.

**Data Collection:**

Find stock market data since 1980s. As detailed as possible.

Clean the data such that for every given **learning time period** (P from now on), you’ll have access to:

52 Week high up till that point

Volume of trade that date

Average volume of trade during some time before that date

etc etc. Add more later.

Ideally, every single data point

The learning time period is the time range of data that the AI will have access to.

**AI:**

The AI NN will be a standard feed forward **neural net** (NN from now on) that will be fed data from a specific P.

The NN will receive all the data from P, which will all be scaled to some value from 0 to 1 or -1 to 1. The NN will then decide if it’s time to buy or sell.

The AI will be given a date and al

**Front end:**

What was the average % gains or loss by the AI?

How much money would you end up with if you have given an AI $10,000 since 1980?

Show the performance differences between each AI in some kind of visual comparison.