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**Final Project Proposal**

**Based on the example project 2):**

**I would make Django website, where users will be able to register and create user account.**

**In the user account homepage, user can select parameters for periodic web scraping.**

**After each webscraping cycle website would generate report and plot the data and make prediction maybe of possible values in the next 3 months,**

**send user an email about this report and tiny url to the report in the website.**

Web scraping – you can choose to crawl specific websites. For example, you might want to find the stock price of a particular company over time. In such cases, you programmatically access Yahoo stock page at http://finance.yahoo.com/q/hp?s=YHOO and obtain the data using Python modules beautifulsoup and requests. Based on the data, predict the stock price using linear regression. Learn more about linear regression at https://en.wikipedia.org/wiki/Linear\_regression. You can use Python module scikit learn to program linear regression. Plot stock prices and include the corresponding linear regression line in the graphs. For plotting, you can use Python modules matplotlib or plotply.