

Final Project: ECON 294A

Pedro Vallocchi

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Description

- The final project is meant to inspire you to use Python to understand an empirical question that interests you and to create an appealing Github repository.
- On May 19th, each student must submit a write-up summarizing their proposed data analysis, as described below.
- Your data needs to be **PUBLIC**. Do not upload confidential data into Github!! If the dataset is too big, GitHub won't allow you to upload large files anyway – use gitignore to skip them.
- I suggest you think of an interesting question **first**, then look for data giving you insights into the question. **Your question does not need to be novel in the literature.** If out of inspiration, try the opposite approach: check datasets you find interesting and think of questions.
- Meet me during office hours if you have questions: Wed 2:30pm at E2-405C.
- Examples of economic sources:
 - NBER's International Finance and Macroeconomics Catalogue of Data Sources ([link](#))
 - Gross capital flows by banks, corporates, and sovereigns ([link](#))
- Other data sources: Kaggle, Google Datasets, NYC Open Data, API-retrieved or webscraped data...

Requirements and grading rubric

- A write-up for your proposed work, describing (20% of the grade, due **May 19th**):
 - The question you want to answer;
 - The dataset you want to use;
 - How you want to answer the question.
- A GitHub repository containing (20% of the grade, due **June 14th**):
 - A Markdown front-page summarizing your empirical question and methods you use to tackle it.
 - The empirical analysis, as described in the next item.

- Ideally, your repository should be public.
- Empirical analysis in Python (60% of the grade, **due June 14th**):
 - One or more Jupyter notebooks with embedded Markdown text detailing your methodology and the empirical analysis using econometric or machine learning methods.
 - Three or more data visualizations relevant to your analysis.
 - Irrelevant/repetitive figures or regressions will NOT be counted towards your final grade.