My first data analysis example

Arindam Basu

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0.1 Why and how are we doing this?

Jupyter is a powerful tool to work with data and text; Jupyter uses the markdown format to write text [1]. Overleaf is a webapp that uses latex to output text. The purpose of this workflow is to show that it is possible to create a repo using Overleaf, then work using Jupyter and then using Jupyter, you can push a latex documen back to Overleaf. Overleaf -> github -> Jupyter notebook -> latex -> Overleaf

This is an example. Here are the steps:

- 1. Start a document in Overleaf. To do so, log into Overleaf version two and then select a new project
- 2. Link the project to github
- 3. On your PC, create a new folder, cd into it, and do: git init; git remote add origin {URL of the github repo}
- 4. Then in the same folder start a jupyter file and name it as main.ipynb
- 5. Write your content and run your analyses in Jupyter
- 6. Then, when you are done with your analyses, export the contents of file to github repo but first convert the ipynb to latex.

References

[1] Fernando Perez and Brian E Granger. Project jupyter: Computational narratives as the engine of collaborative data science. *Retrieved September*, 11:207, 2015.