Setting up a website to show off your work
04/05/2022

PURPOSE
- Learn how to build a website to show off some cool stuff

GOALS (1 min)
- Use GitHub Pages to build a website a resume-style website and showcase projects, including your midterm
- Use GitHub Pages to create a website for your final group project at the end of the semester
- Show examples of what you can do with GitHub Pages
- Show examples of "above and beyond" the minimal expectations for a website

GITHUB PAGES (5-7 mins)
- Fast, easy, free way to create and host a website
- Hosted on GH's servers
- Not required to pay to register for a domain name—though you still can
- Examples:
    - https://julioveracruz.github.io/
        - https://github.com/julioveracruz/julioveracruz.github.io
    - https://julioveracruz.github.io/testwebsite/
        - https://github.com/julioveracruz/testwebsite
    - https://donbowen.github.io/slides-2022/
    - https://square.github.io/
        - https://github.com/square/square.github.io
    - https://yelp.github.io/
        - https://github.com/Yelp/yelp.github.io

WALKTHROUGH (25-30 mins)
- Personal website (template version)
    - Go to https://github.com/donbowen/donbowen.github.io
    - Click the green [Use this template] button
    - Name it <username>.github.io
        - If you already have a <username>.github.io repo, give it any name you want (perhaps something like, "personal-website")
            - In the resulting repo, click Settings, then Pages, then make sure the source is the main branch, then save.
    - Change the link in the about area to your username. Then go look at the website
    - Edit config (to change the left sidebar picture and links)
        - Editable sections are text in blue
    - Edit index.md (text and picture, portfolio descriptions, and links, etc)
        - Can edit directly on GitHub.com or through GitHub Desktop
    - Edit 10k_nlp_covid.md (to incorporate stuff from the midterm)

- ○ Practice: Convert any ipynb from the class notes folder into MD, add to website (follow steps on regression_practice page)
  - On JupyterLab, save and export any ipynb file into markdown
  - Add that resulting markdown file to your website repo
  - Link to your markdown file by editing index.md
- ○ Note on layout:
  - The template limits you to the "Minimal" theme preset on GitHub.com
  - For more customizability, you can create your own GitHub Pages using other theme presets with themes

- ● Getting started on a team project website
  - ○ Only one person on each team needs to do this.
    - Your **work** for the project will be in a different repo I set up, but your project's website will be this one.
  - ○ Go to https://github.com/donbowen/teamproject
  - ○ Click the green [Use this template] button
  - ○ Name it something related to the project
    - You can change this later, but any links to the website will need to change
  - ○ In the resulting repo, click Settings, then Pages, then make sure the source is the main branch.
    - You can choose a different theme here if you want
  - ○ Change the link in the code/about area to the website URL. Then go look at the website
  - ○ Settings > Collaborators:
    - Add all teammates, and add Julio and Professor Bowen
  - ○ In each person's personal website, change the eventual project link to link to that website

MOVING FORWARD
- ● GitHub Pages is just the start of what you could do with creating websites
- ● Above and beyond..
  - ○ Other templates, resources
    - https://github.com/mmistakes/mm-github-pages-starter/generate
    - https://github.com/fastai/fastpages
    - https://html5up.net/
  - ○ HTML, CSS, Javascript-savvy users welcomed

A little summary of some of your options for creating websites:

Option	Pros	Cons
Default GitHub templates and Markdown files - https://donbowen.github.io/ - https://donbowen.github.io/teamproject/	● Easy start ● Can use Plotly, Altair to make interactive charts	● Need explicit page links for interactive table of contents, navigation bar ● Limited customization options ● Hard to "paste" output content into Markdown files ● Have to manually convert .ipynb
Finding templates that you like, forking, and customizing - https://jekyllthemes.io/ - http://jekyllthemes.org/ - https://html5up.net/	● Also easy start ● Better customization options ● Many have already-developed interactive table of contents, navigation bar, etc. features ● Can also use Plotly, Altair to make interactive charts	● Have to learn templates' repo organizations ● Need to reconfigure templates' files to suit your own needs ● Some additional setup needed
Fastpages - https://github.com/fastai/fastpages	● Publishes ipynb files automatically ● Interactive visualizations work automatically	● More overhead learning