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in-class activities

Activities

- Create a GitHub account.
- Complete Hello World exercise on GitHub
- Clone GitHub repo into RStudio project

Create a GitHub account

- Instructions: http://happygitwithr.com/github-acct.html
- Request student discount: https://education.github.com/

Complete Hello World exercise

- Complete Hello World exercise on GitHub

Install git on your computer

- Instructions: http://happygitwithr.com/install-git.html

Tell git who you are

- Instructions: http://happygitwithr.com/hello-git.html

Connect git to your GitHub account

- Instructions: http://happygitwithr.com/push-pull-github.html
- Avoid authenticating each time by caching credentials or using ssh keys.

Connect RStudio with git and GitHub

- Clone the Hello World repo, following these instructions: http://happygitwithr.com/rstudio-git-github.html#clone-the-new-github-repository-to-your-computer-via-rstudio

Create new RStudio project

- Instructions: http://happygitwithr.com/new-github-first.html#new-rstudio-project-via-git-clone
- GitHub repo first
- New RStudio project by cloning repo

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GitHub pages web site for an organization (or individual)

- What's an organization?
  - psu-psychology is a GitHub organization
  - gilmore-lab is a GitHub organization
- How to
  - Put web site files in 'organization-name.github.io' repo.
  - Configure organization to enable GitHub pages.

GitHub pages web site for an organization (or individual)

- Example
  - Organization: http://github.com/gilmore-lab
  - Repo: http://github.com/gilmore-lab/gilmore-lab.github.io
  - Site: http://gilmore-lab.github.io

GitHub pages web site for an individual repo

- Example use cases
  - Projects within lab organization
  - https://psu-psychology.github.io/psych-260-spring-2017/
  - https://psu-psychology.github.io/data-science-and-reproducibility
  - https://psu-psychology.github.io/psy-511-reproducible-research-spring-2017
- How to
  - URL combines `organization-name` + `github.io/` + `repo-name`
  - Web files to `docs/` folder within repo. Example or
  - Repo itself. Example. *Should probably change file name for better URL.*
  - Configure repo's GitHub pages settings accordingly

Assignments

- Create GitHub repo for the project you completed last week
  - Open an issue flagging `@rogilmore` so I know to look at your repo and document.
- Create a repo for your final course project
  - Create a Markdown document where you start to outline the possible directions that your final project might take.
  - Open an issue so I can take a look.
- Clone a repo; fix/change something; make a pull request.
  - Option 1: http://psu-psychology.github.io/psy-511-reproducible-research-spring-2017/
    - Suggestion: Add something about yourself to `students.html` by editing `students.Rmd` and then rebuilding the site via `rmarkdown::render_site(encoding = "utf8")`

- Option 2: https://psu-psychology.github.io/data-science-and-reproducibility/
  - Suggestion: Add or edit `resources.html` by editing `resources.Rmd` and then rebuilding the site via `rmarkdown::render_site(encoding = "utf8")`
  - If you want to be added to the repo as an editor so you can do this more easily (w/o a pull request), let me know.