Connecting GitHub to

Sources: https://happygitwithr.com/https-pat.html

(instructions from Eli Guarie

Prior to connecting GitHub

1. For participants using Windows, they have to install Rtools … which is (confusingly) NOT an Rpackage but a set of executable tools.
   1. You can download them here: [https://cran.r-project.org/bin/windows/Rtools/](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fcran.r-project.org%2Fbin%2Fwindows%2FRtools%2F&data=04%7C01%7Ckpgund%40psu.edu%7C389350128a444b5a961108d8fdddca02%7C7cf48d453ddb4389a9c1c115526eb52e%7C0%7C0%7C637538476299498198%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=%2BabQ%2FShgF3SjuRKOHkowwtXCj863dWaLt9a06YWhXV0%3D&reserved=0).
   2. Or using the install.Rtools function in the installr package.
   3. *MacOS or Linux users will have all the necessary tools on their operating systems.*
2. Students will need a GitHub account. Easy enough at [github.com](https://nam10.safelinks.protection.outlook.com/?url=http%3A%2F%2Fgithub.com%2F&data=04%7C01%7Ckpgund%40psu.edu%7C389350128a444b5a961108d8fdddca02%7C7cf48d453ddb4389a9c1c115526eb52e%7C0%7C0%7C637538476299503176%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=6rbARRQcnqqlQzQCJNaibXG592X%2FymImM%2Bzl8Jnkt%2Bc%3D&reserved=0)
3. Students will need to install git (a program - independent of GitHub - that resides on their own computer). Link here: [https://git-scm.com/book/en/v2/Getting-Started-Installing-Git](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fgit-scm.com%2Fbook%2Fen%2Fv2%2FGetting-Started-Installing-Git&data=04%7C01%7Ckpgund%40psu.edu%7C389350128a444b5a961108d8fdddca02%7C7cf48d453ddb4389a9c1c115526eb52e%7C0%7C0%7C637538476299508155%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=lmSBLd4rqw7eRGV%2FADpkWHaHmPZKlPrgAwKgyQnL3Qg%3D&reserved=0)
4. Students should try to generate and download an ssh key from GitHub. This is the thing that will allow the computer’s GIT to communicate and sync with GitHub. Instructions are here: [https://docs.github.com/en/github/authenticating-to-github/generating-a-new-ssh-key-and-adding-it-to-the-ssh-agent](https://nam10.safelinks.protection.outlook.com/?url=https%3A%2F%2Fdocs.github.com%2Fen%2Fgithub%2Fauthenticating-to-github%2Fgenerating-a-new-ssh-key-and-adding-it-to-the-ssh-agent&data=04%7C01%7Ckpgund%40psu.edu%7C389350128a444b5a961108d8fdddca02%7C7cf48d453ddb4389a9c1c115526eb52e%7C0%7C0%7C637538476299513133%7CUnknown%7CTWFpbGZsb3d8eyJWIjoiMC4wLjAwMDAiLCJQIjoiV2luMzIiLCJBTiI6Ik1haWwiLCJXVCI6Mn0%3D%7C1000&sdata=0%2Fb%2F4NfC9L1JB55gJbJqvvH8bfqCWaazLKdP3nf7%2BkE%3D&reserved=0). But this is maybe the fussiest step. If they can’t quite figure this out we could do it in class … but everyone does figure it out, that will save some time.

Connecting to GitHub

Sources

<https://cfss.uchicago.edu/setup/git-with-rstudio/>

<https://happygitwithr.com/https-pat.html> \*\*\*\*REALLY GOOD

https://www.tidyverse.org/blog/2017/12/workflow-vs-script/

Efficient Set Up

Sources

<https://richpauloo.github.io/2018-10-17-How-to-keep-your-R-projects-organized/>

<https://ecorepsci.github.io/reproducible-science/project-organization.html#documentation>

Large file saving

https://evidencen.com/how-to-upload-large-files-100mb-to-github/

Registration:

<https://forms.gle/FSvat7AnhHY9TWacA>