GitHub Work Arounds

Option 1:

This option will always work but it does require you to understand more about computers than your peers are required to know. You need to work in the terminal instead of through and IDE (like RStudio). Note in the terminal, your mouse does not work, you can only use the keys.

1. Open your file explorer. Navigate to the folder you want your repo to be in.
   * On a mac, cmnd+click and click “get info”. Copy this file path
   * On a windows, click on the file path bar at the top of the file window, and copy this path.
2. Open GitHub. Navigate to the repo you want and copy the link in the normal way.
3. Open RStudio. Click on “Terminal” (next to the “Console”).
4. On a single line, type “cd your/file/path/here” (without the quotes)
5. Type “git clone <https://www.github.com/user-name/repo-name.git>” (without the quotes).
   * If it prompts you for a password, enter your personal access token
6. This cloned the git repo to your computer. Now we need to open the files in RStudio.
7. Go back to your file explorer – to the location you were at in step 1.
8. Open the repo folder
9. Double click on the .Rproj file. This should open a new session in RStudio in this repo.
10. Now you can commit, push, pull as normal. You can also close and open this project as normal.

Option 2:

I hope this one works but I’m not sure it will. You will generate an SSH key on your computer then give it to GitHub. Think of and SSH key as a unique fingerprint that tells GitHub to remember your computer as trustworthy.

First generate and SSH Key on your terminal

1. Open Terminal.
2. Paste the text below, substituting in your GitHub email address.

ssh-keygen -t ed25519 -C [*your\_email@example.com*](mailto:your_email@example.com)

1. When you’re prompted to “Enter a file in which to save the key”, press enter. This accepts the default file location.
2. When it prompts you to enter a secure passphrase, do not type in anything, just hit enter.
3. When it prompts you to enter the secure passphrase again, hit enter.
4. Copy the SSH Key it provides

## Follow the steps under “Adding a new SSH key to your account” : <https://docs.github.com/en/authentication/connecting-to-github-with-ssh/adding-a-new-ssh-key-to-your-github-account>

Once you have done this. Close RStudio all the way. Open it back up and try to clone the normal way.

Option 3:

This method will only work if you are on the “psu” wifi. It is possible to access it off campus, but you need a VPN. This method is similar to RStudio.cloud but instead of RStudio (the company) being the host server, Penn State is the host server. The main downsides to this method is it takes extra steps when you are off campus and you only have 10GB of storage (you will not get anywhere near this limit for this class).

1. Go to : <https://lat.tlt.psu.edu/home/remoteaccess/oss-web-apps/> and click “Open RStudio”.
2. Login with your penn state credentials with your user name as abc1234@psu.edu.
3. Click “New Project”
   1. This will prompt RStudio to open on your web browser. From here clone a repo in the usual way.
   2. For your username enter your github username
   3. For the password, enter your personal access token
4. Now you can commit, push, pull as normal
5. When you are done working on this project, click the house icon at the top right of your screen. Then quit the session (on the left column).
6. Next time you want to open the project, click on the project (on the right column).