

Exercises for git and GitHub

Instructions

Try the following exercises. First load and run the file `install_R_packages_gitwebinar.R` from the `/setup` folder, which will check that you have git installed on your system, and will download all of the required **R** packages.

Exercises

1. Go to GitHub and create an account
2. Clone the presentation repository to your local computer. Using https, the address is `https://github.com/CentreForHydrology/git_for_R.git`. If you have ssh installed and configured, you can use the address `git@github.com:CentreForHydrology/git_for_R.git`.
3. Delete the file `this_file_is_junk.txt` from the local repo. It is inside the `/exercises` folder.
4. Commit the changes to your local repo.
5. Fork the GitHub repository `CSHS-CWRA/CSHShydRology` to your account.
6. Create a local version of the `CSHShydRology` package on your own computer by creating a new project.
7. Build the package. Check to see that it builds properly. For more in-depth checking, use the **Check** command.
8. Create a branch called `testing` for the `CSHShydRology` repo on your computer (and on your fork on GitHub)
9. Copy the file `??` from the `/exercises` folder of the presentation repository, to the `/code` directory of the `testing` branch.
10. Commit the changes to the local repo and push the commit to GitHub.
11. Check the `testing` branch. Does the package build properly? If not, change back to the `master` branch and build the package.