**Basic Workflows in Github and Git, 20 May 2017**

Github

1. Create a **repository**
2. Create a **branch**
   1. By default, each repository has a branch entitled ‘master’
   2. By creating a new branch, you take a snapshot of the files in ‘master’, which you can then work off without affecting the original files.
3. Make changes to the files in the branch
4. **Commit** changes in the branch
5. Open a **pull request**
   1. Compare differences between master and new branch
   2. Propose that your changes be merged onto another branch
6. **Merge** pull requests

<https://guides.github.com/>

<https://guides.github.com/activities/hello-world/>

Git

1. **Clone** a remote repository: git clone <path>
2. Make changes to files
3. **Add all changes to index**: add \*
4. **Commit changes**: git commit –m “commit message”
5. **Push** changes to remote repository: git push origin master
   1. NB: origin is an alias for the remote repository path. You can see the underlying path by using: git remote –v
   2. If you did not clone the remote repository, you need to connect to the remote repository using: git remote add origin <path>
   3. You cannot push to repositories unless you have access rights
6. Update with changes in remote repository: git pull

<http://rogerdudler.github.io/git-guide/>