# Git Worksheet

### Data Science Group

### 3/21/17

1. Create a new folder somewhere on your laptop called `git_test`

2. In terminal/command line navigate to that folder and create a local git repository using `cd`

3. Create some .txt files or .R files and add them to the folder

4. Add them to Git and commit them

5. Next make some changes to those file and save them

6. Run `git status`. What do you notice?

7. Commit those changes

8. Make a new branch called `test` and switch to it

9. Once inside the branch make some changes to the files and commit them (or even add new files)

10. Switch back to the master branch. Open those files again. Notice any differences?

11. Make changes to the files in master and commit them

12. Merge `test` into master

13. Resolve any conflicts if you have any

14. Go to your github account online and create a new repository called `test`

15. Link your local repository to it and push your local files to it

16. Make some changes online in github to the files

17. Make different changes to the local files in master and commit them

18. Try to push the files to github. Any problems?

19. Pull the version from github and deal with any conflicts. Then push the files.

20. Try out some of the misc Git functions like `git log`