**Instructions for getting started with GitHub and Git repositories on your computer**

1. Read this Git prep resource <http://mfcovington.github.io/r_club//resources/2016/01/19/git-prep/>

More Git practice (using the command line) <https://swcarpentry.github.io/git-novice/>

2. Install SourceTree <http://sourcetreeapp.com/>

3. Register for GitHub <https://github.com/>

4. Work through the Git basics tutorial <http://mfcovington.github.io/r_club/resources/2016/01/19/git-basics/>

5. Clone my repository for image analysis

a. Log in to github

b. Navigate to <https://github.com/nicolise/Botrytis_ImageAnalysis> and click Fork

c. In SourceTree, click Clone/New

d. Under Clone Repository tab, enter the Source Path/URL as the URL to your forked version of my repository

c. For Destination Path, click “…”

d. Make a new, empty directory (folder) with the name Botrytis\_ImageAnalysis somewhere easy to find on your computer. \*\*\*Note: it takes a few steps to move/ delete repositories, so select the location for this carefully.

e. Select Clone

6. Keep repository up to date through commits

a. On the left window of SourceTree, double click the new repository

b. Check Log/History tab to see if your local repository is current with the online version

c. Check Files Status tab to see which files have changed since the last commit

d. If files have changed, click check boxes on Unstaged Files list

e. Select Commit, add a commit message describing the changes you have staged. Click Commit.

f. Under Log/History tab, select most current version of your local repository.

g. Select Pull and use default options to merge any changes from the online repository.

\*\*\* ALWAYS pull before you push

h. Select Push to send your changes to the online repository.

7. What to store using Git

a. Do not back up large numbers of image files through GitHub. Keep data files and image files in a separate folder/ directory.

b. In your git repositories, keep only scripts, notes files, script outputs (such as graphs and figures), and writing (for manuscripts or presentations).