**GitHub and Git**

ALL PLAGIARISED

[GitHub](https://github.com/) is a cloud-based management system for your version controlled files. Like DropBox, your files are both locally on your computer *and* hosted online and easily accessible. Its interface allows you to manage version control and provides users with a web-based interface for creating projects, sharing them, updating code, etc.

Sign up for GitHub…

**GitHub Tour**

In your GitHub profile you can view your contribution histories and repositories.

**Create your first GitHub repository**

Go through [this guide](https://guides.github.com/activities/hello-world/) now and create your first repository!

**Git**

As you may remember from our last lecture, Git is the free and open source version control system which GitHub is built on.

One of the main benefits of using the Git system is its compatibility with RStudio; however, in order to link the two software together, we first need to download and install Git on your computer.

Download Git at <https://git-scm.com/download>. (or use Google)

Configuring Git

Now that Git is installed, we need to configure it for use with GitHub, in preparation for linking it with RStudio.

We need to tell Git what your username and email are, so that it knows how to name each commit as coming from you. To do so, in the command prompt (either Git Bash for Windows or Terminal for Mac), type: git config --global user.name "Jane Doe" with your desired username in place of “Jane Doe.” This is the name each commit will be tagged with.

Following this, in the command prompt, type: git config --global user.email janedoe@gmail.com **MAKING SURE TO USE THE SAME EMAIL ADDRESS YOU SIGNED UP FOR GITHUB WITH!**

Confirm your changes by typing: git config –-list

Once you are satisfied that your username and email is correct, exit the command line by typing exit and hit Enter.