Justin Headley Cheat Sheet 1

Git – Git is a system that tracks changes to files. This allows collaboration from many people on the same project, and it allows one to undo undesirable changes (roll back) with ease.

Github – A website that lets you upload, download, and share code. You can share your code with others, or vice versa. Repositories can be public or private.

GitKraken – A program that syncs the repositories on Github with the directories on your own computer. Pulling means syncing by downloading from GitHub, and pushing means syncing by uploading to Github. It’s a GUI and although the same things could be done in GitBash, the GUI is much more beginner-friendly.

Python – The programming language that we are using in this class.

Conda – Something that allows you to make and manage python environments. In these environments, you can have python extensions like numpy pre-loaded and activated. Conda allows you to switch out between different environments, depending on what you’re doing. For example, a groundwater modeling environment might have to use a different python version and different extensions from a financial product.

Vscode – a text editor that has some features that make coding a little easier than just using notepad.

Juypter – an extension that allows one to make “notebooks” within VScode, and individual sections of code can be run separately.