Git and GitHub

In addition to Python, Git and GitHub are two tools that programmers use daily. Git is a common system for version control, and GitHub is like a social platform for coders built on top of Git. You'll use Github to create your portfolio and share your work, not only with your mentor but also with potential employers. In this section, you'll become familiar with both tools and create a GitHub account.

To complete this section, work through the following resources, ensure that Git is installed on your machine, and that you have a working GitHub account. Some of the resources below are optional, and are marked as such; read or watch them if you feel you need to. Have fun!

- [What is GitHub?](#) - This resource teaches you the basis of how GitHub works. You'll use GitHub to submit and share files with your mentors and peers.

- [GitHub for Springboard](#) - In this short video, Springboard mentor Ben Bell gives a crash course on setting up your Github for the Data Science Career Track.

- [Git and GitHub tutorial for beginners](#) - This tutorial will explain how to create your GitHub account, commit files, create new repositories, and merge pull requests through the terminal.

- [Forking A Repository (Guided Capstone)](#) - This tutorial from GitHub will teach you how to fork a repository (essentially copy an existing repository to your GitHub). **You only need to do Steps 1 and 2. Do not complete Step 3.** Once the repository is forked, clone the repository to your local machine, do your work, and push any changes to your account.

- [Git and GitHub for poets](#) - Discover the relationship between Git and GitHub, an important connection to understand, since you'll use GitHub and git throughout the course (*optional*).

- [Code management with Git](#) - In this DataCamp resource, you'll learn how Git is used for code management in data science project (*optional*).

- [Git exercises](#) - For more hands-on practice with Git, check out this site with interactive challenges (*optional*).

- [Git and data science](#) - Learn about the GitHub features that are most useful for data scientists (*optional*).