Prob and Stats GitHub

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Learning Git is crucial when you're majoring in computer science because it's one of the major tools, we need to efficiently manage code and work with others. Git is a version control system that enables you to manage several project versions, keep track of changes, and work together without endangering one another's work. I know some companies have their own form of sharing code with other collaborators, but GitHub is the most used probably.

Usually, our code and all its history are stored in a Git repository. A remote repository, frequently hosted on websites like GitHub, can be synchronized with a local repository on the computer. You create a snapshot of your code at that precise instant when you commit changes. Pulls bring any updates from the remote repository to your local version, whereas pushes transmit these changes to the remote repository. When we were in class this was what we essentially practiced.

I’ve recently come to learn that we can test out new features or fixes using Git's branching functionality without changing the main code. You reintegrate your branch into the main one when you're ready. However, if two people edit the same line during merging, it might occasionally result in merge disputes. Although it requires some caution, resolving these disagreements is an essential skill.

Git workflow features the branching or forking this gives structure in collaborative projects. Knowing which workflow fits your project helps keep everyone’s work organized. My end goal is to become more fluent when it comes to working on GitHub in general as I know it’s a good perk to be able to have and operate with.