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IB 516 Analytical Workflows

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Outline

Introduction to Version Control

Basic Workflow

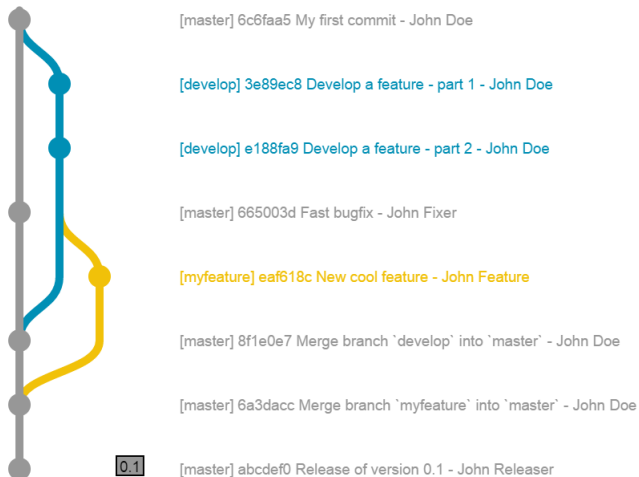
Overview of the Beamer Class

What is a version control system?

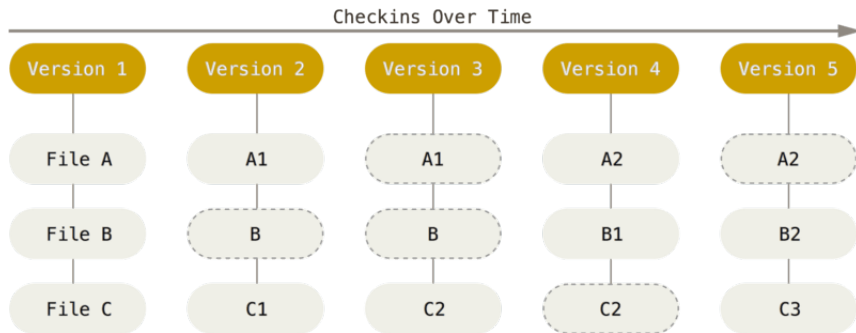
A version control system (VCS) records changes in a set of files over time so that you can recall specific versions later. A VCS allows: -'time travel' back and forth from any previous time in your project development. -peaceful coexistence and exchange of info between 'parallel universes' of a project

In science this is about organizing stable efficient collaborations (with others and with your past self) that produce reproducible work.

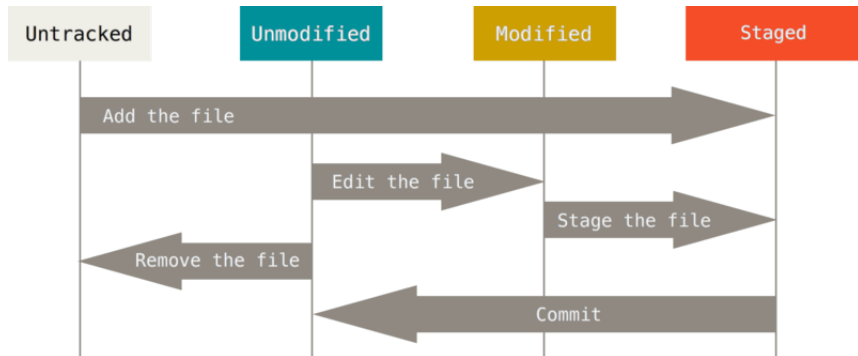
Visualizing a version controlled project through time



Version control in Git: How Git stores data



Basic lifecycle of work on a file



*We haven't talked about *staging* which is an intermediate step between modifying a file and committing it. Git allows you to choose which modified files will be part of the next commit. Typically we will want to commit all modifications and Github Desktop automatically stages all modifications, so we don't need to think too much about staging at the moment.

Features of the Beamer Class

- ▶ Normal LaTeX class.

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- ▶ No external programs needed.