

Version Control

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Objectives

- Introduce Version Control
- Discuss who may find it useful to incorporate into their workflow
- Resources to implement version control

Version Control System

- Version control was originally created for software developers to manage big projects
- Example: Similar to Microsoft's "track changes" feature but scaled up for much bigger projects
- The *doing* of research is tightly connected to the organizing and documenting our research

Who can use version control?

incremental: true As social scientists we:

- run data analysis
- engage in statistical research
- teach statistics

This creates many, many files!

Why do we need version control?

- *Solution?* Version control software
- Gives us a structure for collaboration
- Way to manage different versions

Git, GitHub and Bitbucket

- Git is a version control system
 - Free and Open Source
- User interface for git repositories
 - GitHub
 - Bitbucket
 - Other people can see, use and contribute to your repositories
- Decentralized version control, every user has own complete copy of repo and history

Extra Resources

- "Excuse me, do you have a moment to talk about version control" by Jennifer Bryan

- GitHub and R