

# Stat Chat Notes

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2/25/2020

## What's all the excitement about?

- Data analysis is often collaborative.
  - team contributing code to the same project, even same document
  - collaboration may be asynchronous
  - an analyst may decide to continue work left behind by someone else.
- Each is simplified with VC or “source code management”
- version control records changes to a file or a set of files
  - record the entire history/evolution a project;
  - manage contributions of multiple collaborators;
  - revisit history of the project
  - revert back to a specific version of any file if needed;
  - draft changes without modifying the main file until you feel ready to commit to them.
- Computational reproducibility
  - accuracy of your code & methods
  - allows others the opportunity to make use of your work
    - \* replicate
    - \* extend and modify for a new purpose.
  - bolster integrity of the work
  - preserve a complete and transparent record of all actions in a project from raw source data through final product.
- Professional calibre workflow

## Steps for implementation as a learning objective

- First exposure to Git
- Configure RStudio & Git (trivial with RStudio Cloud)
- Deploying assignment Repos
  - student view
  - instructor view
  - individual & group assignments
- Assessment

## Assessment