Getting started with Git and GitHuib

Becca Freese and Michael Shyne

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Presentation Outline and Ideas

1. Why you should use version controls
   1. Have history of your work, easily go back to an older version
   2. Collaboration
2. Programs
   1. Git
   2. GitHub
   3. Bitbucket
   4. Command Prompt/Terminal
   5. Source Tree
3. Essential Git Commands/Vocabulary
   1. Repository
      1. A place locally or on GitHub to store your files.
   2. Commit – commit messages
      1. Explain ‘what’ and ‘why’, not ‘how’
      2. Commit frequently to easily identify where something went wrong
      3. <https://chris.beams.io/posts/git-commit/>
   3. git status – your new best friend!
      1. Check that your folder is being tracked, which files have been modified, etc.
   4. git push
   5. git pull
   6. git init
   7. git add
   8. git clone
   9. Fork
   10. Branch
       1. Master – always deployable
       2. Development – works in progress
4. Example: Starting a new repository from Github
5. Example: Starting a new repository in R Studio and adding to GitHub
6. Example: Track an already existing project

