

git and GitHub for Collaborative Authoring or: How I Learned to Stop Worrying and Write in Plaintext

John D. Martin III

University of North Carolina at Chapel Hill

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Outline

git and
GitHub for
Collaborative
Authoring

John D.
Martin III

What?

Why?

How?

Okay, but
why?

Ready, set:
go!

1 What?

2 Why?

3 How?

4 Okay, but why?

5 Ready, set: go!

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What?

git and
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- git is a software package.
- GitHub is a repository of repositories built on git as a backend.

What?

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Why?

- MSWord is irritating.
- GoogleDocs isn't flexible enough and doesn't give fine enough control.
- Neither does versioning very well.

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How? Plaintext.

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- LaTeX
- Markdown
- BibTeX

LaTeX Wikibook

Markdown Cheatsheet

Using BibTeX

What?

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Okay, but why?

- Robust, distributed version control
- Flexible output using pandoc
- Easy conversion to HTML
- Easy conversion to LaTeX

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But wait, there's more!

- BibTeX will change your life as an author
- Easy integration with R output with Sweave and knitr
- Easy integration with Python output using Pweave or IPython Notebooks
- Easy DOI integration for archived source files

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First things first

- Set up a GitHub repo
- Clone it to local machine
- Make changes
- Commit and push changes

GitHub for Beginners by Lauren Orsini
“git - the simple guide” by Roger Dudler
Try git.

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Second things second

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- Fork someone else's repo
- Make changes
- Do a pull request and merge repos

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Links

- GitHub for Beginners by Lauren Orsini
- “git - the simple guide” by Roger Dudler
- “git - the simple guide” by Roger Dudler (single sheet)
- LaTeX Wikibook

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So many links

- [Markdown Cheatsheet](#)
- [Using BibTeX](#)
- [Making your code citeable - GitHub Guides](#)

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