Setup

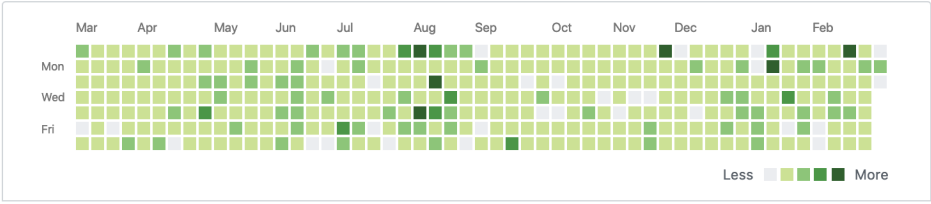
1. Go to `www.github.com` and make a free account
2. Make sure you have a recent version (v1.1 or later) of RStudio `https://www.rstudio.com/products/rstudio/download/#download`
3. Keep `www.happygitwithr.com` open

Happy Git and GitHub for the useR

Jenny Bryan, the STAT 545 TAs, Jim Hester

Let's Git started

2,412 contributions in the last year



Introduction to git for social science students

(not software developers)

Shiro Kuriwaki

March 5, 2019

Thanks for having me

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- G-4 in Government
- American Politics, elections and representation
- Before: A year in political data analytics (where I learned git from Annie Wang)

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- Version control is mandatory for programmers

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- Version control is mandatory for programmers
- but does it make sense for *applied* researchers
- who work with datasets that are **large**, **unstructured**, **prone to change**, **with collaborators**

Setting Expectations: Is it worth it?

What do Gentzkow and Shapiro say?

Definitely:

> *"It will probably take you a couple days to set up a repository and learn how you want to interact with [Version Control]. You will break even on that time investment within a month or two."*[1]

but also see[2]

---

[1] Code and Data for Social Sciences: A Practioners Guide. 2014. https://perma.cc/5J9D-BTD6. Although I'm not sure about learning version control in "a couple of days" (I certainly couldn't!), I can guarantee reading their guide in its entirety *is* a time investment you'll break even on immediately.

[2] https://community.rstudio.com/t/version-control-with-google-drive/4032

My (recommended) setup

Terminology

- **Git** is a particular type of software for version control (Subversion is another)
- **GitHub** is an app (recently bought by Microsoft) to host git on the web (Bitbucket is another)
- A **desktop client** is an app that connects a webhost like Github to your computer and facilitates simple tasks (here I use **RStudio**, there are many others)
- A **repository** is the fundamental unit of a version control, like a project folder.

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Summary and wider context

Preference for local taxation and public goods provision is not partisan.

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Preference for local taxation and public goods provision is not partisan.

This project brings vote choice data into the debate of policy representation in a Federalist system:

"The Increasingly United States"

- State representatives (Rogers 2018) and voters (Tausanovitch and Warshaw 2014) oriented along national partisan lines
- Accelerated by the nationalization of media (Hopkins 2018)
- But other dimensions do exist (in California?) (Snyder 1996, Gerber and Lewis 2004)

"Something for Something"

- Precincts vote for and against redistribution according to their needs (Sances 2018), and school elections hinge on school performance (Payson 2017, Kogan, Lavertu, Peskowitz 2015)
- Individual (voter-file) data reveals insights about who participates and how (Kogan, Lavertu, Peskowitz 2018)