

Technology Course

Day 1

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August 22nd, 2019

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Class Hours: Aug 22nd, 23rd, 26th, 9:30 AM-12:30 PM, Tarbutton 116

Office: Tarbutton 113C

Course Overview

- Structure of the course, Goals and Expectations
- Software Overview, Emory Resources
- Workflow and Reproducibility Overview

Structure of the course

- Technology Course: August 22nd, 23rd, 26th, 9:30AM-12:30PM
- R Course: Weekly starting Monday September 9th, 4:15-5:15PM
- Materials: Laptop, all software open source or available through Emory
- Goal: begin each session with review and instruction but majority of the session spent practicing and learning

Expectations

- We understand the time constraints on everyone. The first year can be especially difficult as you are acclimating to graduate school and Emory University. No outside work is expected but we ask for the one hour a week of in-class time (and during the pre-class sessions) that you are present and participating.
- Class is ungraded but I will frequently ask you to turn in work to receive written feedback. This is to give you practice writing code for others to read and in presenting your results which are important skills for collaboration and sharing research. Additionally, we may engage in peer review by exchanging code with classmates.

Software Overview

Open source vs. Proprietary

- [R statistical software](#)
- [Emory University Licenses](#)
- [Software in Emory Computer Labs](#)

File Hosting

Back up your work!

- [DropBox](#)
- [Emory Box](#)
- [Google Drive](#)

Password Management

Password Manager easy way to store all of your usernames/passwords

- Access from your computer, phone, other computers

Examples (not a comprehensive list)

- [LastPass](#)
- [Dashlane](#)
- [1Password](#)
- [Keeper Security](#)

Emory Resources

- [Eagle Print](#)
 - Install driver, need to add Eagle Dollars to print
- [Emory Woodruff Library Connect from Off Campus](#)

Finding Journal Articles

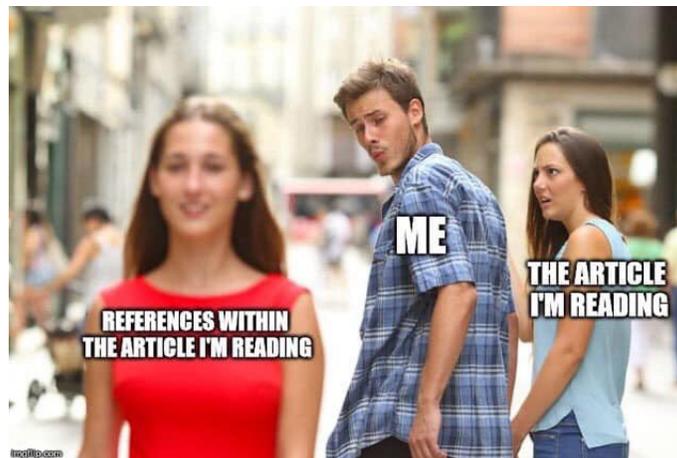
Let's work through an example:

King, Gary. "Restructuring the social sciences: reflections from Harvard's Institute for Quantitative Social Science." *PS: Political Science & Politics* 47.1 (2014): 165-172.

- [Google Scholar](#)
- [Go directly to journal: PS: Political Science](#)
- [Emory Course Reserves](#)

Organization

Academic Skills



- [How to Read in College](#)
- [Raul Pacheco-Vega's blog](#)
- Note taking: Digital vs. Paper
 - Lab Notebook for a research project
 - Meeting notes

Project Management

- Software for managing projects
 - [asana](#), [OmniFocus](#), [trello](#)

- Notebook and Planner
- Google calendar and reminders

Workflow

- Find a naming convention and stick to it
- Choose a system to organize your PDFs
- The Political Methodologist Volume 18, Number 2, Spring 2011
 - Literate programming
 - Version Control

Citation Manager

What can a citation manager help with?

- Import files and their citation information
- Organize your PDFs, create groups by topic, use tags and folders
- Save and take notes on PDFs
- Create bibliographies automatically

Emory Libraries Resources

- [RefWorks\(\\$\)](#)
- [EndNote\(Free through Emory\)](#)
- [Zotero](#)
- [Mendeley](#)
- [Papers for Mac\(\\$\)](#)
- [JabRef](#)

Version Control

- [Git](#), [GitHub](#), [Bitbucket](#)

Life

- Keep healthy! Use Emory's resources:
 - Counseling and Psychological Services: [CAPS](#)
 - Exercise: [Woodpec](#)