

WEEK 1 HANDOUT

Gov 50 Data Science for Social Sciences

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Contact Info

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Slack: @johnkoo (in the Harvard University workspace)

Office hours: Tuesdays, 1:30pm to 3:30pm @ CGIS Cafe (sign-up: [jkoo.nl/meet](https://johnkoo.nl/meet))

Section materials: <https://github.com/tanxpyox/gov50-sections-jk>

Where to get help?

- For tech assistance or help with homework: **Course Assistant-led Study Halls**

Study halls are a combination of office hours and drop-in tutoring sessions. Course assistants will hold a table usually at one of the house dining halls or common rooms and help students with assignments and course material. Study halls work best if you come as a group and work on the assignments on your own while you are there and ask for help from the CAs when you get stuck.

Schedule: Mondays and Wednesdays, 5pm to 9pm (see Syllabus for location)

- For initial help with course content: ask on course Slack (accessible via Canvas sidebar) or sign up for my office hours
- For perspective and inspiration: sign up for Scott's office hours

Getting the most (grades) out of this class

- Podcast and Article Responses (5%) [one two-page doc every other week]
- Problem Sets (20%) [seven to eight in total]
- Mid-term exam (20%) [in-class, written, closed book]
- Final exam (20%) [in-class, written, closed book]
- *Final project* (25%)

Generic advice for maximising grades and efficiency

- Everything you learn should help you work towards the final project (which is the biggest chunk of your grades)
 - Take the project milestones seriously and do not wait until the last minute
- Problem sets
 - Low hanging fruits - don't miss them; Can reuse code in your projects
 - It's OK to make mistakes (each p-set is 2–3% of your final grade)
 - Work with your study group; but write up your p-sets individually
 - Start early, so you have time to get help
 - Set aside a “focus session” every week to do the problem sets; do not mull over the p-set for the whole week
- AI allowed and encouraged, except in exams. Start learning how to use AI to debug your code.
- Keep your code organised in your GitHub repository - you may need them in your final project

Getting Started

- Software: R, RStudio
- Version control: Git and GitHub

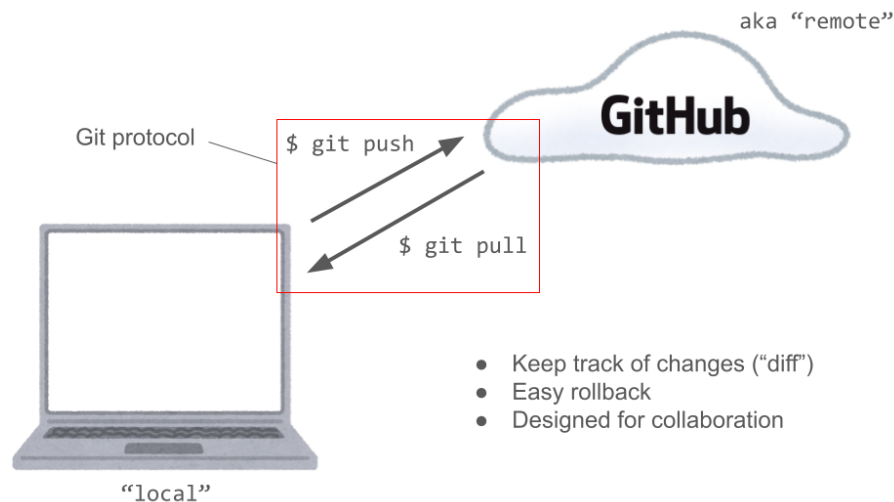


FIGURE 1: *Git and GitHub*

Problem Set 0a: GitHub Setup

Due: Monday, September 9, 2024 at 11:59 PM

Overview

This assignment will get you set up with GitHub, which we'll use throughout the semester to share code and track your work. Think of GitHub as Google Docs for code - it saves your history and lets you collaborate.

What You'll Do

1. Create a GitHub account
2. Create your first repository
3. Edit a README file
4. Submit proof to Gradescope

Step-by-Step Instructions

Part 1: Create Your GitHub Account

1. Go to <https://github.com>
2. Click "Sign up"
3. Choose a username (this will be public, so pick something professional)
4. Use your Harvard email (optional)
5. Complete the signup process

Part 2: Create Your First Repository

1. Once logged in, click the green "New" button or the "+" icon
2. Name your repository: gov50-fall2024
3. Check the box that says "Add a README file"
4. Leave everything else as default
5. Click "Create repository"

Part 3: Edit Your README

1. Click on the README.md file
2. Click the pencil icon to edit
3. Delete the existing text and add:

Gov 50: Data Science for Social Sciences

Name: [Your Name]

Harvard ID: [Your HUID]

This repository contains my work for Gov 50 (Fall 2024).

4. Scroll down and click "Commit changes"
5. In the commit message box, write "Initial setup"
6. Click "Commit changes"

Part 4: Submit to Gradescope

1. Take a screenshot showing:
 - Your GitHub username in the top right
 - Your repository name (gov50-fall12024)
 - Your edited README content
2. Save this screenshot as lastname_ps0a.png
3. Go to Gradescope (accessible via Canvas) and find “PS0a: GitHub Setup”
4. Upload your screenshot

Troubleshooting

“GitHub says my username is taken”

Try adding numbers or your middle initial.

“I can’t find the edit button”

Make sure you’re logged in and viewing your own repository.

“I accidentally deleted my repository”

No problem! Just create a new one with the same name.

Getting Help

- Post questions on Slack in #problem-sets
- Come to office hours
- Your TF can walk you through this in section

Grading

This assignment is graded on completion only. Submit a screenshot showing you’ve created a repository with an edited README.

Learning Objectives

After completing this assignment, you will:

- Have a GitHub account for professional use
- Understand basic repository creation
- Be ready to submit future assignments via GitHub