

Data & Society (SOC 225B - LAB)

Spring Quarter, 2021

Class Schedule

Lecture: Asynchronous
Lab BA: Virtual, F 1:30 - 2:20
Lab BB: Virtual, F 2:30 - 3:20
Lab BC: Virtual, F 3:30 - 4:20

Lecture URL: <https://canvas.uw.edu/>

Professor

Name: Zack W. Almquist
Office:
Office Hours: Tuesdays 12:00-1:00 pm
Or by appointment
Email: zalmquist@uw.edu

Lab Instructors (TAs)

Name:
Office:
Office Hours:
Email:

Name:
Office:
Office Hours:
Email:

Objectives

- Supplement the lecture and reading portions of class

- Understand the basics of a data science workflow/pipeline
- Execute exploratory data analysis with real-world datasets
- Practice data importing, manipulation, and visualization
- Learn how to use data to answer social science questions
- Reflect on the ethics of the work, often by getting our hands dirty
- Gain familiarity with R Studio and RMarkdown

Access to RStudio

- The Server for RStudio can be found here: <http://128.95.72.79:8787>
- Every student will have an account and password generated for you. You should not change the password and this will allow your TAs to log in and help if necessary. *This should come as an email invite from jeffrud@uw.edu.*

Assessments

Lab assignments (7)	40%
Lab homework (2)	60%

*Remember that these lab-specific assessments represent **40%** of your final grade while the assessments outlined in the Lecture Syllabus represent the other **60%** of your final grade.*

Lab Assignments

We will be working through some in-class lab assignments during lab sections. Each assignment will be posted on Canvas on *Friday* and due by the following *Friday* noon. You will submit your work on Canvas to receive participation credit. You will be graded on your completion (not accuracy) of these assignments. There are **nine** assignments in total. Bonus questions will be given to some assignments.

Date (Friday)	Topic
Week 1 (April 9)	Reading data
Week 2 (April 16)	Data transformation
Week 3 (April 23)	Data visualization and mapping

Week 4 (April 30)	Categorical data
Week 5 (May 7)	Text data
Week 6 (May 13)	Exploratory data analysis
Week 7 (May 21)	Collecting data using the Internet
Week 8 (May 28)	Political ads & merging data
Week 9 (Jun 4)	Social networks

Lab Homework

There are two lab homeworks. They will be due on Canvas. The due dates will depend on how we progress through the lab materials and will be announced on Canvas. To encourage you to learn, homeworks will be graded on both completion and accuracy. For example, you would receive half of the full points for every question you complete, and you will receive full points for every question you answer correctly. *Late work will be accepted, please let your Lab instructor know if you turn in late work.*

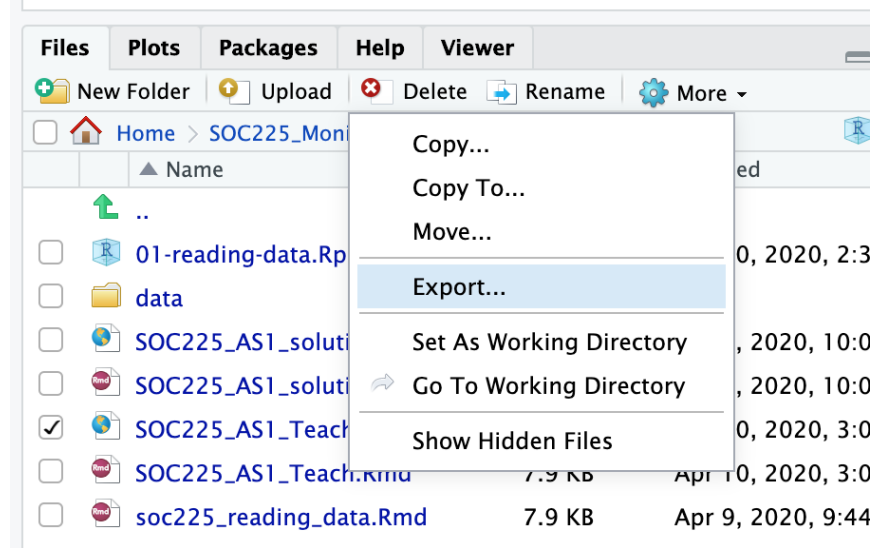
Lab History

This lab is based on the SOC 225 lab developed by Connor Gliroy and Ian Kennedy, Department of Sociology, University of Washington.

Instructions for submission:

- Please type your answers right under each question (or modify the R codes as required) in the .Rmd file.
- You will need to convert the .Rmd file to **.html format** (click “knit to HTML” icon) for assignment submission - after cleaning errors in the R code chunks.
- To avoid common errors while knitting output, make sure that you've removed or commented out any line of code with ``View()`` or ``install.packages()`` in it.

- To download the html file to your own computer, click "files" tab -> check the html file -> click "More" and "Export...". An example screen cut is shown here:



- Before submit, please make sure rename the file as **SOC225_AS1_"your last name".html**

The solution will be posted after this assignment is due.

