

# Schedule

## Course Schedule

*subject to change*

Week	Topic	Tools
1	Course Introduction	Scripts; R and RStudio
2	Reproducible Data Analyses	Filesystems; Version Control; Git
3	Data Structure & Wrangling	Markup; Data Formats
4	Tidy Data	Tidyverse
5	Flow Control	Loops
6	Data Visualization I	Grammar of Graphics; ggplot2
7	Data Visualization II	ggplot2
8	<b>Midterm Exam (Thursday, October 16)</b>	
9	Social Networks & Network Data	iGraph; statnet
10	Census Data	tidycensus
11	Maps & GIS I	sf; tigris
12	Maps & GIS II	mapgl; mapbox; osm
13	Accessing & Using Databases	SQL
14	Project Work	
15	Project Presentations	
F	<b>Finals Week (Project Due)</b>	

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*Advanced Topics (if we have time)*

Week	Topic	Tools	Reading
16	Text Data & Data Scraping		

Week	Topic	Tools	Reading
17	Web Apps & Visualization		
18	AI Pair Programming & “Vibe Coding”		
19	Local LLMs		