














Stat 220: Intro to Data Science

This page contains an outline of the topics, content, and assignments for the term.

WEEK	DOW	PREPARE	TOPIC	DUE
1	M	complete welcome survey	Welcome + data, R review	
1	W	R basics R4DS 1e 27.1-27.4 git and GitHub for poets Read syllabus and pass syllabus quiz to activate tokens	Github + reproducible reports	
1	F	10 minute activity on markdown R4DS Ch1 intro to ggplot	ggplot	HW 1 (on moodle)
2	M	DataViz 17-21	Theming + Design	
2	W	DataViz 15	Maps/spatial data	HW 2
2	F	first 15 minutes of Accessible Data Science Beyond Visual Models Skim Writing Alt Text to Communicate the Meaning in Data Visualizations	Accesibility for data viz	
3	M	R4DS 3.1-3.4	Verbs	Portfolio 1
3	W	R4DS 3.5 R4DS 4	Groups and summarizing Code style	HW 3
3	F	R4DS 5.1-5.4	Tidy data	[Lab Quiz 1]
4	M	R4DS 19.1-19.3	Combining datasets	
4	W	R4DS 7.1-7.4 R4DS 17.1-17.3	Import data and dates/times	HW 4
4	F	R4DS 16	Working with factors	
5	M	R4DS 14 R4DS 15.1-15.5	Working with strings and Regex	
5	W	MDSR 19.2 Google ngram viewer	Intro to Text Analysis	HW 5, [Portfolio 2]

WEEK	DOW	PREPARE	TOPIC	DUE
5	F	 The Trouble with Sentiment Analysis	Sentiment Analysis	[Lab Quiz 2]
6	M		✖ Midterm Break; no class	
6	W	 R4DS 25	Functions	
6	F	 MDSR 7.1-7.3	Iteration	HW6
7	M		Iteration II	
7	W	 What is an API?  R4DS 23 (skip case studies)  sign up for a census API key	APIs	HW7
7	F		Intro to Scraping	[Lab Quiz 3], [Final Project Idea Form]
8	M	 R4DS 24.2;24.5  install and test selectorGadget	Scraping/Data Privacy	[Final Project Ranking Form]
8	W	Explore htmlWidgets gallery + source code Explore NZ Earthquakes and source code	RMarkdown Formats/Intro to Interactivity	HW8, [Portfolio 3]
8	F	Pick one:  Shiny basics playlist  Ch 1-2 of Mastering Shiny	Shiny 1	
9	M	Pick one:  Reactivity in shiny playlist  Ch 3 of Mastering Shiny	Shiny 2	
9	W	 MDSR 15.1-15.4	SQL	Final Project sketch
9	F		SQL	
10	M		Project Demos	[Portfolio 4]
10	W		Project Demos	HW9