

Readings		Lecture	Quiz	Assignment
Week 1				
T	26-Aug			R and Rstudio refresher/ data structures
At Home		Broman and Woo (2018)		Making Data sheets for the field versus analysis
Week 2				
T	2-Sep	Lowndes et al. 2017 (Nature Eco Evo); Carroll et al. (2021) Sci Data	1	Tools for reproducible research (Github)
At Home		R4DS Ch2, Ch6		Set up your file structure and make a script
Week 3				
T	9-Sep	Healy Ch 1, R4DS Ch9-11	2	Practice with ggplot
At Home		Wilke Ch 1-5		More ggplot
Week 4				
T	16-Sep	R4DS Ch 3	3	Practice with dplyr
At Home		R4DS Ch 5		Practice with tidyr
Week 5				
T	23-Sep	R4DS Ch 19	4	Practice different types of joins
At Home		R4DS Ch 17		Practice with dates and times
Week 6				
T	30-Sep	R4DS 28, 29/ Intro to quarto	5	Practice with Quarto/ Good plot/Bad plot lab Directions
At Home				Practice with Quarto
Week 7				
T	7-Oct	Wilke Ch 15, Healy Ch 7	6	Make a map
At Home				
Week 8				
T	14-Oct	R4DS Ch 14,15	7	Working with words

At Home			Fun advanced plotting (gganimate, etc)		
T	21-Oct		Goodplot/Badplot presentations	8	Final project proposal due
At Home			Working with factors		
Week 9					
T	28-Oct	R4DS 25	Functional programing	9	write a function
At Home		R4DS 8	How to ask for help (googling, stack overflow, and Reprex)		Make a reпреx
Week 10					
T	4-Nov	Mastering Shiny Ch1	Intro Shiny apps	10	Shiny apps
At Home			TidyTuesday Plot		
Week 11					
T	11-Nov	- veterans day no class			Work on independent project
At Home			TidyTuesday Plot		
Week 12					
T	18-Nov	R4DS 26	Iterative data (for loops and map functions)	11	Practice loops, etc
At Home			TidyTuesday Plot		
T	25-Nov	Tidy Modeling	Models part 1 and 2 (many models with broom	12	No in person class, Thanksgiving week - online only
At Home			TidyTuesday Plot		
Week 13					
T	2-Dec		Final presentations (8 students)	13	
At Home			TidyTuesday Plot		
Week 14					
T	9-Dec		Final project presentations (7 students)	14	practice with lots of models
			TidyTuesday Plot		