

Readings		Lecture	Quiz	Where?	Lab
Week 1					
T	24-Jan			LO1322	R and Rstudio refresher/ data structures
R	26-Jan	Broman and Woo (2017)		LO1322	Making Data sheets for the field versus analysis
Week 2					
T	31-Jan	Lowndes et al. 2017 (Nature Eco Evo)		LO1322	Tools for reproducible research (Github)
R	2-Feb	R4DS Ch4, Ch6	1	LO1322	Set up your file structure and make a script
Week 3					
T	7-Feb	Healy Ch 1, R4DS Ch 3		LO1322	Practice with ggplot
R	9-Feb	Wilke Ch 1-5		On Zoom	More ggplot
Week 4					
T	14-Feb	R4DS Ch 5, Ch 11		LO1322	Practice with dplyr
R	16-Feb	R4DS Ch 12, 18	2	LO1322	Practice with tidyr
Week 5					
T	21-Feb	R4DS Ch 13		LO1322	Practice different types of joins
R	23-Feb	R4DS Ch 16		LO1322	Practice with dates and times
Week 6					
T	28-Feb	R4DS 27,29		LO1322	Practice with Rmarkdown
R	2-Mar		3	LO1322	Practice with Rmarkdown
Week 7					
T	7-Mar	Wilke Ch 15, Healy Ch 7		LO1322	Make a map/ final project proposal due
R	9-Mar			LO1322	Good plot/Bad plot lab Directions
Week 8					
T	14-Mar			On Zoom	Work on group project (select and present a package)

R	16-Mar		Work on group project	4	LO1322	Work on group project
T	21-Mar	No class - Spring Break				
R	23-Mar	No class - Spring Break				
Week 9						
T	28-Mar		Fun advanced plotting (gganimate, etc)		LO1322	
R	30-Mar		<b>Goodplot/Badplot presentations</b>		LO1322	
Week 10						
T	4-Apr	R4DS 19	Functional programing		LO1322	Learn to write a function
R	6-Apr	Mastering Shiny Ch1	Intro Shiny apps	5	LO1322	Shiny apps
Week 11						
T	11-Apr		How to ask for help (googling, stack overflow, and Reprex)		LO1322	Make a reprex
R	13-Apr		<b>Present group projects</b>		LO1322	<b>Present group projects</b>
Week 12						
T	18-Apr	R4DS Ch 14	Strings and regular expressions		LO1322	Working with words
R	20-Apr	R4DS Ch 15	Working with factors	6	LO1322	Practice with factors
Week 13						
T	25-Apr	R4DS Ch 21	Iterative data (for loops and map functions)		LO1322	Practice loops, etc
R	27-Apr		Models Part 1 (stats, lmer)		LO1322	simple lms and lmer
Week 14						
T	2-May		Models part 2 (many models with broom)		LO1322	practice with lots of models
R	4-May		Work on Final project	7	LO1322	Work on Final project
Week 15						
T	9-May		<b>Final project presentations</b>		LO1322	<b>Final project presentations</b>
R	11-May		<b>Final project presentations</b>		LO1322	<b>Final project presentations</b>