

















































































































































































































































































































































































































The schedule has been updated to accommodate the transition to remote learning. For each date, the topic lists what will be discussed during the live lecture or lab session. The items under "Class Prep"  are intended to be completed before that day's lectures session. The items under "Live Lectures"  will be the content covered during the live lecture sessions.

Date	Lesson	Live Lectures	Class Prep	Lab	HW	Misc	Project
	Week 01						
Wed, Jan 8	Welcome to Regression Analysis	 (./slides/lec-slides/00-intro.html)				 (./misc/jan8.html)	
Thu, Jan 9	No Lab						
	Week 02						
Mon, Jan 13	Review: Confidence Intervals	 (./slides/lec-slides/01-review-ci.html)	 (./reading/reading-01.html)				
Wed, Jan 15	Review: Hypothesis Tests	 (./slides/lec-slides/02-review-ht.html)	 (./reading/reading-01.html)				
Thu, Jan 16	Lab 01: Review R	 (./slides/lab-slides/01-lab-slides.html)		 (./labs/lab-01-review-r.html)			
UNIT 01	CONTINUOUS RESPONSE VARIABLES						
	Week 03						

Mon, Jan 20	NO CLASS - Martin Luther King, Jr. Day						
Wed, Jan 22	Simple Linear Regression: Basics	 (./slides/lec-slides/03-slr.html)	 (./reading/reading-02.html)		 (./hw/hw-01.html)		
Thu, Jan 23	Lab 02: Simple Linear Regression	 (./slides/lab-slides/02-lab-slides.html)		 (./labs/lab-02-slr.html)			
	Week 04						
Mon, Jan 27	Simple Linear Regression: Inference	 (./slides/lec-slides/04-slr-inf.html)	 (./reading/reading-02.html)				
Wed, Jan 29	No Lecture: Watch rstudio::conf				 (./hw/rstudio-conf.html)		
Thu, Jan 30	Lab 03: Inference for Simple Linear Regression	 (./slides/lab-slides/03-lab-slides.html)		 (./labs/lab-03-slr-inf.html)			
	Week 05						
Mon, Feb 3	Analysis of Variance	 (./slides/lec-slides/05-anova.html)	 (./reading/reading-03.html)				
Wed, Feb 5	Multiple Linear Regression: The Basics	 (./slides/lec-slides/06-mlr.html)	 (./reading/reading-04.html)		 (./hw/hw-02.html)		
Thu, Feb 6	Lab 04: ANOVA	 (./slides/lab-slides/04-lab-slides.html)		 (./labs/lab-04-anova.html)			
	Week 06						
Mon, Feb 10	MLR: Prediction & math details	 (./slides/lec-slides/07-mlr-special-predictors.html)	 (./reading/reading-05.html)				
Wed, Feb 12	MLR: Special predictors & assumptions	 (./slides/lec-slides/08-assumptions.html)	 (./reading/reading-05.html)				
Thu, Feb 13	Lab 05: Data wrangling & regression	 (./slides/lab-slides/05-lab-slides.html)		 (./labs/lab-05-mlr.html)			
	Week 07						
Mon, Feb 17	MLR: Interactions & Transformations	 (./slides/lec-slides/09-transformations.html)	 (./reading/reading-06.html)		 (./hw/hw-03.html)	 (./misc/feb17.html)	
Wed, Feb 19	Spatial Regression	 (./slides/lec-slides/spatial_regression.pdf)					
	Moran's I Code	 (./slides/lec-slides/morans_i.pdf)					

Thu, Feb 20	Lab 06: Spatial Regression						
	Week 08						
Mon, Feb 24	Exam 01 Review	 (./slides/lec-slides/10-exam-01-review.html)					
Wed, Feb 26	Exam 01						
Thu, Feb 27	Lab: STA 210 Project	 (./slides/lab-slides/project-feb27.html)					 (./project/project.html)
	Week 09						
Mon, Mar 2	MLR: Model Assessment & Selection	 (./slides/lec-slides/11-model-assessment.html)	 (./reading/reading-07.html)				
Wed, Mar 4	MLR: Model Selection & Diagnostics	 (./slides/lec-slides/12-model-selection.html)	 (./reading/reading-07.html)				
Thu, Mar 5	Lab 07: Model Selection & Diagnostics	 (./slides/lab-slides/07-lab-slides.html)		 (./labs/lab-07-selection-diagnostics.html)			 (./project/project.html)
	Week 10						
Mon, Mar 9	NO CLASS - Spring Break						
Wed, Mar 11	NO CLASS - Spring Break						
Thu, Mar 12	NO LAB - Spring Break						
UNIT 2	CATEGORICAL RESPONSE VARIABLES						
	Week 11						
Mon, Mar 16	NO CLASS - Spring Break, Pt 2						
Wed, Mar 18	NO CLASS - Spring Break, Pt 2						
Thu, Mar 19	NO LAB - Spring Break, Pt 2						
	Week 12						
Mon, Mar 23	Welcome Back! & Recap						

Wed, Mar 25	Logistic regression						
Thu, Mar 26	Lab						 (./project/project.html)
	Week 13						
Mon, Mar 30	Logistic regression						
	Lab 07 due			 (./labs/lab-07-selection-diagnostics.html)			
Wed, Apr 1	Logistic regression				 (./hw/hw-04.html)		
Thu, Apr 2	Lab						
	Week 14						
Mon, Apr 6	Multinomial logistic regression						
Wed, Apr 8	Multinomial logistic regression				 (./hw/hw-05.html)		
Thu, Apr 9	Lab						 (./project/project.html)
	Week 15						
Mon, Apr 13	Multinomial logistic regression						
Wed, Apr 15	Missing data				 (./hw/hw-06.html)		
Thu, Apr 16	Lab						
	Week 16						
Mon, Apr 20	TBD						
Wed, Apr 22	TBD						 (./project/project.html)
	Final Exam Period						

Tue, Project
Apr Presentations
28 -
Thu,
Apr
30



(./project/project.html)



DUKE STATSCI ([HTTP://STAT.DUKE.EDU/](http://stat.duke.edu/))



RSTUDIO ([HTTPS://VM-MANAGE.OIT.DUKE.EDU/CONTAINERS](https://vm-manage.oit.duke.edu/containers))



GITHUB ([HTTPS://GITHUB.COM/STA210-SP20](https://github.com/sta210-sp20))

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