

The following is a tentative schedule for the course subject to change. **Please adhere to the due dates provided in Canvas as Canvas supersedes this schedule.**

Date	Topics	Assignments
8/31/2020	Welcome to Class / Syllabus Review	
9/2/2020	1.1: Intro to Linear Regression	
9/4/2020	1.2: Review of Hypothesis Testing	Hypothesis Testing Quiz
9/7/2020	<b>No Class (Labor Day)</b>	
9/9/2020	1.3: SAS Crash Course	
9/11/2020	1.4 Data Exploration / 1.5 Mathematical Writing	HW 1/SAS Virtual Learning/Getting to Know You
9/14/2020	2.1 Simple Linear Regression	
9/16/2020	2.2: Diagnostics and Remedial Measures	
9/18/2020	(Applications and Examples)	
9/21/2020	2.3: Simple Inference	
9/23/2020	2.4: Simultaneous Inference:	
9/25/2020	(Applications and Examples)	HW 2
9/28/2020	2.5: Multiple Linear Regression	
9/30/2020	2.6: Multiple Inference	Quiz 1
10/2/2020	(Applications and Examples)	
10/5/2020	3.1: Alternate Variable Types	
10/7/2020	3.2: Variable Selection	
10/9/2020	(Applications and Examples)	Project 1 Paper - 1st Draft/HW 3
10/12/2020	3.3: Model Influence	
10/14/2020	3.4: Model Validation	Quiz 2
10/16/2020	(Applications and Examples)	Intro to Scientific Writing
10/19/2020	4.1: Penalized Regression	
10/21/2020	4.2: Other OLS Variations	
10/23/2020	(Applications and Examples)	HW 4/Project 1 Paper - Final Draft
10/26/2020	4.3: Non-Parametric Regression	Mid-Semester Eval
10/28/2020	(Applications and Examples)	Quiz 3
10/30/2020	Final Project Introductions	Mythos of Model Interpretability
11/2/2020	Model Interpretability	Final Project Groups
11/4/2020	Group Work Primer	
11/6/2020	(Final Project Group Meetings)	HW 5/Project 2 Papers - First Draft
11/9/2020	5.1: Logistic Regression	
11/11/2020	5.2: Extensions of Logistic Regression	Quiz 4
11/13/2020	(Final Project Group Meetings)	Project 2 Peer Review/Final Project Proposals
11/16/2020	6.1: Time Series	
11/18/2020	6.2 Time Series Case Study	
11/20/2020	(Applications and Examples)	HW 6/Project 2 Papers - Final Draft
11/23/2020	(Final Project Group Meetings)	Final Project Update
11/25/2020	<b>No Class (Thanksgiving Break)</b>	Quiz 5
11/27/2020	<b>No Class (Thanksgiving Break)</b>	
11/30/2020	(Final Project Group Meetings)	
12/2/2020	7.1: Generalized Additive Models	
12/4/2020	(Final Project Group Meetings)	Final Project Papers - Penultimate Draft
12/7/2020	7.2 Quantile Regression	HW 7
12/9/2020	(Final Project Group Meetings)	Quiz 6 (Bonus Quiz - Free Extra Drop)
12/11/2020	7.3: Modern Applications	Final Project Slides (pdf format)
12/14/2020	<b>Project Presentations (class attendance required)**</b>	Review Response/Final Project Papers - Final Draft

\* - All assignments must be submitted *before 8pm* on the day they are due.

\*\* - Final Exam Time: 1:30-3:20pm