

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
18-Jan	No Class (Martin Luther King Jr. Day)	
20-Jan	1.1: Intro to Linear Regression/Syllabus Review	
22-Jan	1.2: Review of Hypothesis Testing	
25-Jan	1.3: SAS/R Crash Course	
27-Jan	1.4 Data Exploration / 1.5 Mathematical Writing	
29-Jan	2.1 Simple Linear Regression	HW 1/Getting to Know You/Hypothesis Testing Quiz/Syllabus Quiz
1-Feb	2.2: Diagnostics and Remedial Measures	
3-Feb	(Applications and Examples)	
5-Feb	2.3: Simple Inference	
8-Feb	2.4: Simultaneous Inference:	
10-Feb	(Applications and Examples)	
12-Feb	2.5 Multiple Linear Regression	HW 2
15-Feb	No Class (Presidents' Day)	
17-Feb	2.6: Multiple Inference	Quiz 1
19-Feb	(Applications and Examples)	Project 1 Paper - First Draft
22-Feb	3.1: Alternate Variable Types	
24-Feb	3.2: Variable Selection	
26-Feb	(Applications and Examples)	HW 3
1-Mar	3.3: Model Influence	Intro to Scientific Writing/Writing Fellow Appointment
3-Mar	3.4: Model Validation	Quiz 2
5-Mar	(Applications and Examples)	Project 1 Paper - Final Draft
8-Mar	4.1: Penalized Regression	Mid-Semester Evaluation
10-Mar	4.2: Other OLS Variations	
12-Mar	No Class (Spring Break Replacement)	HW 4
15-Mar	(Applications and Examples)	
17-Mar	4.3: Non-Parametric Regression	Quiz 3
19-Mar	(Applications and Examples)	Project 2 Papers - First Draft
22-Mar	Final Project Introductions	Mythos of Model Interpretability
24-Mar	Model Interpretability	Final Project Groups
26-Mar	Group Work Primer	HW 5
29-Mar	(Final Project Group Meetings)	Project 2 Peer Review/Writing Fellow Appointment
31-Mar	5.1: Logistic Regression	Quiz 4
2-Apr	5.2: Extensions of Logistic Regression	Project 2 Papers - Final Draft
5-Apr	(Final Project Group Meetings)	Final Project Proposals
7-Apr	6.1: Time Series	
8-Apr	6.2 Time Series Case Study	HW 6
12-Apr	(Final Project Group Meetings)	
14-Apr	(Applications and Examples - Homework 7)	Quiz 5/Final Project Update
16-Apr	(Final Project Group Meetings)	Regression in the real world
19-Apr	7.1: Generalized Additive Models	
21-Apr	(Final Project Group Meetings)	
23-Apr	7.2 Quantile Regression	(23-Apr) Final Project Papers - Penultimate Draft (24-Apr) Group Member Evaluation
26-Apr	(Final Project Group Meetings)	HW 7
28-Apr	No Class (Interim Day)	Quiz 6
30-Apr	Project Presentations (class attendance required)**	Final Project Slides (pdf format)*
3-May	No Class (Finals Week)	Review Response/Final Project Papers - Final Draft

All assignments, unless otherwise indicated, must be submitted *before 8pm* on the day they are due.

* - Assignment due before class (1:00pm)

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