Schedule

NRES 710 – Fall 2024

Last compiled: 2025-04-15

Schedule

Week	Dates	Tuesday	Thursday	Assignments
1	Aug. 27, 29	Syllabus and the Purpose of Statistics	Paper Discussion and Intro to R (Code)	Reading, Reading - read before Aug. 29
2	Sep. 3, 5	Linear Regression (Code, Data)	Linear Regression - results (Code)	Quiz 1 - due Sep. 2
3	Sep. 10, 12	Exercise 1: Linear Regression, pt. 1 (Link)	Linear Regression - assumptions (Code, Data1, Data2, Data3, Data4, Data5)	Quiz 2 - due Sep. 11; Reading
4	Sep. 17, 19	Linear Regression - predictions (Code, Data)	Exercise 2: Linear Regression, pt. 2 (Link)	Exercise 1 - due Sep. 16
5	Sep. 24, 26	Analysis of Categorical Data (Code, Data)	Analysis of Categorical Data - cont. (Code, Data)	Quiz 3 - due Sep. 23; Exercise 2 - due Sep 25
6	Oct. 1, Oct. 3	Analysis of Categorical Data - posthoc tests (Code, Data)	Deciding Whether to Treat X as Continuous or Categorical (Code, Data1, Data2)	Reading - read before Oct. 1
7	Oct. 8, 10	Exercise 3: Analysis of Categorical Data (Link)	Multi-variable Modeling (Code, Data1, Data2)	Quiz 4 - due Oct. 7; Exercise 3 - due Oct. 9
8	Oct. 15, 17	Multi-variable Modeling - Collinearity (Code, Data)	Multi-variable Modeling - Collinearity (continued)	NA
9	Oct. 22, 24	*No class*	Exercise 4: Collinearity (Link)	Brian at conference
10	Oct. 29, 31	Multi-variable Modeling - Interactions (Code, Data)	Multi-variable Modeling - Interactions (continued)	Quiz 5 - due Oct. 28; Exercise 4 - due Oct. 30; Reading - read before Oct. 31
11	Nov. 5, 7	Exercise 5: Interactions (Link)	Random-effect Models (Code, Data1, Data2)	Quiz 6 - due Nov. 6
12	Nov. 12, 14	Mixed-effect Models (Code, Data1, Data2)	Repeated Measures (Code, Data)	Exercise 5 - due Nov. 14
13	Nov. 19, 21	Exercise 6: Mixed-effect Models (Link)	Nested Designs (Code, Data1, Data2)	
14	Nov. 26, 28	More Nested Designs (Code, Data1, Data2)	*No class (Thanksgiving)*	Quiz 7 - due Nov. 25

Week	Dates	Tuesday	Thursday	Assignments
15	Dec. 3, 5	Pseudoreplication	GLMs - Poisson (Code, Data1)	Exercise 6 - due Dec. 4; Reading - before Tues. 3 December
Finals	Dec. 10, 12	GLMs - Logistic Regression	*No class*	Good luck on your exams!