Schedule

NRES 710 – Fall 2024

Last compiled: 2024-07-29

## Schedule

Note: this schedule is subject to change. Please check for updates frequently. Also, if a due date listed here differs from that on WebCampus, please use the date listed on WebCampus! Thank you.

| Week | Dates | Tuesday | Thursday (R mini-lab) | Assignments |
| --- | --- | --- | --- | --- |
| 1 | Aug. 27, 29 | [Syllabus and the Purpose of Statistics](lecture_1.html) | [Paper Discussion and Intro to R](lecture_2.html) | [Johnson (1999)](papers/Johnson1999.pdf), [Dushoff et al. (2019)](papers/Dushoff_etal_2019.pdf) |
| 2 | Sep. 3, 5 | [Basic concepts](lecture_3.html) | [Exercise 1: Functions and Summary Stats](exercise_1.html) | Quiz 1 due 9/5 |
| 3 | Sep. 10, 12 | [Linear Regression](lecture_4.html) | [Linear Regression](lecture_5.html) | Exercise 1 due 9/12 |
| 4 | Sep. 17, 19 | [Linear Regression](lecture_6.html) | [Exercise 2: Linear Regression](exercise_2.html) | Quiz 2 due 9/19 |
| 5 | Sep. 24, 26 | TBD | TBD | Exercise 2 due 9/26 |
| 6 | Sep. 31, Oct. 2 | TBD | TBD |  |
| 7 | Oct. 8, 10 | TBD | TBD | TBD |
| 8 | Oct. 15, 17 | TBD | TBD | TBD |
| 9 | Oct. 22, 24 | *No class (Brian at conference)* | *No class (Brian at conference)* |  |
| 10 | Oct. 29, 31 | [Linear regression](LECTURE6.html) | [Exercise 4: Multiple linear regression](EXERCISE4.html) | Exercise 4 due 11/1 |
| 11 | Nov. 5, 7 | [ANOVA](LECTURE7.html) | [ANOVA](LECTURE7.html) |  |
| 12 | Nov. 13, 15 | [GLM](LECTURE8.html) | [GLM](LECTURE8.html) |  |
| 13 | Nov. 19, 21 | [GLMM](LECTURE9.html) | OPTIONAL: review roadrunner assignment (multiple linear regression) |  |
| 14 | Nov. 26, 28 | [GLMM](LECTURE9.html) | *No class (Thanksgiving)* | Peer reviews due 11/27 |
| 15 | Dec. 3, 5 | [Machine Learning](LECTURE10.html) | [Discussion: code and data sharing](Git_tutorial.html) |  |
| Finals | Dec. 10, 12 | [Next steps- multivariate, Bayesian, etc.](LECTURE11.html) | *No class* |  |
| Other | TBD | [P-values, statistical tests](LECTURE1.html) |  |  |
| Other | TBD | [Central limit theorem (CLT) and sampling distributions](LECTURE2.html) | [Central limit theorem (CLT) and sampling distributions](LECTURE2.html) | Exercise 1 due 9/13 |
| Other | TBD | [Taxonomy of statistics](LECTURE3.html) | [t-tests and z tests](LECTURE4.html) |  |
| Other | TBD | [t-tests and z-tests](LECTURE4.html) | [Exercise 2: t-tests](EXERCISE2.html) |  |
| Other | TBD | [Chi-squared tests](LECTURE5.html) | TBD |  |