Schedule

NRES 710

Fall 2024

## 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 | Tuesday | Thursday (R mini-lab) | Assignments |
| --- | --- | --- | --- |
| Week 1: Aug. 26 | [Overview: R and statistics](INTRO.html) | [P-values, statistical tests](LECTURE1.html) |  |
| Week 2: Sep. 2 | [Exercise 1: functions and summary stats](EXERCISE1.html) | TBD |  |
| Week 3: Sep. 9 | [Central limit theorem (CLT) and sampling distributions](LECTURE2.html) | [Central limit theorem (CLT) and sampling distributions](LECTURE2.html) | Exercise 1 due 9/13 |
| Week 4: Sep. 16 | [Taxonomy of statistics](LECTURE3.html) | [t-tests and z tests](LECTURE4.html) | Project proposals due 9/20 |
| Week 5: Sep. 23 | [t-tests and z-tests](LECTURE4.html) | [Exercise 2: t-tests](EXERCISE2.html) | Exercise 2 due 10/2 |
| Week 6: Sep. 30 | [Chi-squared tests](LECTURE5.html) | TBD |  |
| Week 7: Oct. 7 | [Linear regression](LECTURE6.html) | [Exercise 3: linear regression](EXERCISE3.html) | Exercise 3 due 10/16 |
| Week 8: Oct. 14 | [Linear regression](LECTURE6.html) | Discussion: p-values | p-value readings (see WebCampus) |
| Week 9: Oct. 21 | *No class (Brian at conference)* | *No class (Brian at conference)* |  |
| Week 10: Oct. 28 | [Linear regression](LECTURE6.html) | [Exercise 4: Multiple linear regression](EXERCISE4.html) | Exercise 4 due 11/1 |
| Week 11: Nov. 4 | [ANOVA](LECTURE7.html) | [ANOVA](LECTURE7.html) |  |
| Week 12: Nov. 11 | [GLM](LECTURE8.html) | [GLM](LECTURE8.html) | Draft project ms due 11/15 |
| Week 13: Nov. 18 | [GLMM](LECTURE9.html) | OPTIONAL: review roadrunner assignment (multiple linear regression) |  |
| Week 14: Nov. 25 | [GLMM](LECTURE9.html) | *No class (Thanksgiving)* | Peer reviews due 11/27 |
| Week 15: Dec. 2 | [Machine Learning](LECTURE10.html) | [Discussion: code and data sharing](Git_tutorial.html) |  |
| Finals Week: Dec. 9 | [Next steps- multivariate, Bayesian, etc.](LECTURE11.html) | *No class* | Final projects due 12/13 |