Schedule

NRES 710

Fall 2020

## Schedule

Note: this schedule is subject to change. Please check for updates frequently!

|  |  |  |
| --- | --- | --- |
| Week | Mon. meeting | Wed. meeting (R mini-lab) |
| Aug. 24 | Basics of probability and statistics | Discussion: hot hand reading; face mask reading |
| Aug. 31 | Basics of probability and statistics | Discussion: p-value readings |
| Sept. 7 | No Class (labor day) | Discussion: p-hacking readings |
| Sept. 14 | Basics of probability and statistics | Discussion: pseudoreplication |
| Sept. 21 | Analyses: T-test, Chi-squared | T-test and Z-test demo |
| Sept. 28 | Analyses: Linear Regression | Linear regression |
| Oct. 5 | Analyses: ANOVA and posthoc tests | ANOVA |
| Oct. 12 | Goodness of fit and validation | Model validation |
| Oct. 19 | Common data ‘problems’ and solutions | Data checking |
| Oct. 26 | Data solutions: Transformations | Data ‘wrangling’ |
| Nov. 2 | Analyses: Nonparametric tests #1 | Rank tests |
| Nov. 9 | Analyses: Nonparametric tests #2 | Other nonparametric analyses |
| Nov. 16 | REVIEW SESSION | Midterm Exam (11/18/20) |
| Nov. 23 | Intro to multivariate analysis | Ordination in R |
| Nov. 30 | Intro to likelihood, Bayesian theory | Bayesian regression in R |
| Dec. 7 | Where to go next? | NA |
| Dec. 16 | Final projects due 5pm | NA |