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