

Exam dates are inflexible, but the schedule of lectures and homeworks may be adjusted as I see fit. You should have read and reviewed the material scheduled on a given day before the class meeting. Homework is due at the beginning of class.

Schedule:

1.25 (T)	.....	Introduction
1.27 (TH)	.....	Graphical Summaries (IPS1.1), Wainer
2.01 (T)	.....	Numerical Summaries & the Normal distribution (IPS 1.2-1.3)
2.03 (TH)	.....	Scatterplots and correlations (IPS 2.1-2.2), HW1
2.08 (T)	.....	Bivariate regression and transformations (IPS 2.3-2.4)
2.10 (TH)	.....	2-way or contingency tables (IPS 2.5), Kastlelec and Leoni, HW2
2.15 (T)	.....	Correlation and causation (IPS 2.6)
2.17 (TH)	.....	Data generating processes (IPS 3)
2.22 (T)	.....	Randomness and probability (IPS 4.1-4.4)
2.24 (TH)	.....	Sampling distribution: counts & proportions (IPS 5.1), HW3
3.01 (T)	.....	Sampling distribution: means (IPS 5.2)
3.03 (TH)	.....	Estimating with confidence: inference about a mean (IPS 6.1), HW4
3.08 (T)	.....	Hypothesis testing about a mean (IPS 6.2)
3.10 (TH)	.....	Power and Stargazing (IPS 6.4-6.5), Leahey, HW5
3.15 (T)	.....	Review
3.17 (TH)	.....	Midterm
3.22 (T)	.....	SPRING BREAK
3.24 (TH)	.....	SPRING BREAK
3.29 (T)	.....	Inference in practice: 1 sample (IPS 7.1)
3.31 (TH)	.....	Inference in practice: 2 samples (IPS 7.2), HW6
4.05 (T)	.....	Inference with proportions, 1 sample (IPS 8.1)
4.07 (TH)	.....	Inference with proportions, 2 samples (IPS 8.2), HW7
4.12 (T)	.....	ANOVA (IPS 12&13)
4.14 (Th)	.....	Measures of fit for contingency tables: χ^2 (IPS 9), HW8
4.19 (T)	.....	Measures of association in contingency tables, including ordinal variables (supplement)
4.21 (Th)	.....	Inference for regression (IPS 10), HW9
4.26 (T)	.....	Multiple regression (IPS 11)
4.28 (Th)	.....	Challenges in using regression: why you need theory (supplement, Freedman experiment), HW10
5.03 (T)	.....	Dummy variables & Interactions (supplement)
5.05 (TH)	.....	Logistic regression: an overview and introduction (IPS 14), Morgan and Teachman, HW11
5.16 (MONDAY)	.....	Final Exam, due by 12:30pm