

Week 1: January 4-5

- Lecture 1 1.1, 1.2 (introduction, types of data)
- Lecture 2 2.1, 2.2, start 2.3 (frequency distributions, histograms, stem-and-leaf plots, visualizing data)

Week 2: January 8-12

- Lecture 3 Research Ethics
- Lecture 4 finish 2.3, 3.1 (measures of center)
- Lecture 5 3.2 (measures of variation)

Week 3: January 15-19

- Lecture 6 3.3 (measures of relative standing, quartiles and percentiles, boxplots)
- Lecture 7 4.1, start 4.2 (basic concepts of probability, addition rule)
- Lecture 8 finish 4.2, 4.3 (multiplication rule, conditional probability)

Week 4: January 22-26

- Lecture 9 5.1, start 5.2 (probability distributions, binomial distribution)
- Lecture 10 finish 5.2
- Lecture 11 5.3 (Poisson distribution), 6.1 (standard normal distribution)

Week 5: January 29 - February 2

- Lecture 12 6.2 (applications of normal distributions)
- Lecture 13 6.4 (Central Limit Theorem)
- Lecture 14 6.5 (assessing normality)

Week 6: February 5-9

- Lecture 15 7.1 (estimating a population proportion)
- Lecture 16 7.2 (estimating a poulation mean)
- Lecture 17 start 8.1 (basics of hypothesis testing)

Week 7: February 12-16

- Lecture 18 8.1 (continued)
- Lecture 19 finish 8.1, start 8.2 (testing a claim about a population proportion)
- Lecture 20 finish 8.2

Week 8: February 19-23 (Midterm Recess)

Week 9: February 26 - March 2

• Lecture 21 - start 8.3 (testing a claim about a population mean)

- Lecture 22 finish 8.3, 9.1 (inferences about two proportions)
- Lecture 23 9.2 (inferences about two means)

Week 10: March 5-9

- Lecture 24 start 12.1 (analysis of variance)
- Lecture 25 12.1 (continued)
- Lecture 26 finish 12.1

Week 11: March 12-16

- Lecture 27 10.1 (correlation)
- Lecture 28 start 10.2 (regression)
- Lecture 29 finish 10.2, start 10.3 (variation and prediction intervals)

Week 12: March 19-23

- Lecture 30 finish 10.3
- Lecture 31 start 10.4 (multiple regression)
- Lecture 32 10.4 (continued)

Week 13: March 26-29 (no classes on March 30)

- Lecture 33 finish 10.4
- Lecture 34 11.1 (goodness of fit)

Week 14: April 2-6

- Lecture 35 start 11.2 (contingency tables)
- Lecture 36 finish 11.2
- Lecture 37 13.1 (basics of nonparametric statistics)

(Clases end on April 9th)