

Review Problems

Chapter 2

- 9/10/46 Frequency Distribution / Histogram /
Grouped \bar{x} , s
- 12/13/47 Frequency Distribution / Histogram /
Grouped \bar{x} , s
- 22 Stem-and-Leaf Plot
- 34 Calculations: \bar{x} , s
- 39 Quartiles / Box-and-Whisker Plot

Chapter 3

- 31 Probability/Tree Diagram
- 41/48 Probability
- 65/66 Probability/Tree Diagram
- 71/73 Probability/Tree Diagram

Chapter 4

- 13/15 Binomial Distribution
- 23/24 Hypergeometric Distribution
- 28/29 Binomial Approx to Hypergeom
- 58/59/65 Poisson Process

Chapter 5

- 7/10 Probability Density
- 24/27/29 Normal Distribution
- 36/38 Normal Approximation of Binomial
- 59/60 Exponential Distribution - Waiting Time

Chapter 6

- 15/17 Sampling Distribution of \bar{x}
- 21 Sampling Distribution of \bar{x} - Small
Sample
- 23 Sampling Distribution of σ^2

Chapter 7

- 6 Maximum Error Estimate / Confidence
Interval
- 8/11/15 Maximum Error Estimate
- 18 Confidence Interval
- 21 Confidence Interval
- 39/41 Hypothesis Test - Large Sample
- 47 Hypothesis Test - Small Sample
($\bar{x} = 14$, s = 3.207)
- 64 Hypothesis Test, Two Populations -
Large Samples

- 69 Hypothesis Test, Two Populations -
Small Samples
($\bar{x}_c = 57.89$, $s_c = 10.33$
 $\bar{x}_o = 51.83$, $s_o = 12.69$)
- 71 Hypothesis Test, Matched Samples
($\bar{d} = -0.02$, $s_d = 0.0287$)

Chapter 8

- 4 Confidence Interval
- 12 Hypothesis Test, Variance
- 15 Hypothesis Test, Two Populations

Chapter 9

- 6b Confidence Interval
- 7 Confidence Interval
- 19 Hypothesis Test
- 21 Hypothesis Test
- 30 Hypothesis Test, Two Populations

Chapter 11

- 3 Linear Regression / Point Estimate for
Response Variable
 $\sum x = 320$ $\sum y = 635$
 $\sum x^2 = 11490$ $\sum y^2 = 42395$
 $\sum xy = 21275$
- 12/13 Linear Regression / Confidence Interval
for Mean of Response Variable /
Confidence Interval for Predicting the
Response Variable
 $\sum x = 533$ $\sum y = 132$
 $\sum x^2 = 24529$ $\sum y^2 = 1526$
 $\sum xy = 6093$
- 14/15 Linear Regression / Confidence Interval
for β
 $\sum x = 40$ $\sum y = 1024$
 $\sum x^2 = 244$ $\sum y^2 = 158900$
 $\sum xy = 6217$
- 26 Exponential Curve Fit
- 32 Polynomial Curve Fit