Homework 1: Exercise 1.3, 1.12, 1.24, 1.36, 1.38, 1.44

Homework 2: Exercises

◦1.54 (Boxplot)

◦2.3, 2.8 (Events)

◦2.11, 2.26 (Probability)

◦2.29, 2.35, 2.38 (Counting)

◦2.56, 2.59 (Conditional Probability)

◦2.74, 2.78, 2.80 (Independence)

Homework 3:

◦3.10, 3.19, 3.24 (Discrete RV and Distributions)

◦3.30, 3.33, 3.37 (Expectation and Variance)

◦3.47, 3.49, 3.50, 3.81 (Binomial and Poisson Distribution)

Homework 4:

◦4.2, 4.4 (Continuous Distributions)

◦4.12, 4.15, 4.19 (CDF and Expected Values)

◦4.28 e, f, g; 4.29 a, c, d; 4.36, 4.45 (Normal Distribution)

◦4.60 (Exponential Distribution)

◦5.7, 5.22 (Joint Distribution)

Homework 5:

◦5.46, 5.50, 5.53 (Distribution of Sample Mean)

◦5.60 (Distribution of Linear Combinations)

◦6.3, 6.5, 6.28 (Point Estimation)

◦7.3, 7.6 (Confidence Interval)

2nd Midterm Coverage in Sections

◦3.3, 3.4, 3.6(no Poisson Process)

◦4.1, 4.2, 4.3(no Approximating the Binomial Distribution), 4.4(The Exponential Part),

◦5.1, 5.2(understand the concepts, no calculation required), 5.4, 5.5

◦6.1

◦

2nd Midterm Practice Problems: 3.80, 3.97, 4.28, 4.29, 4.105, 4.106, 5.59, 6.4

Homework 6:

◦7.13, 7.18 (Intervals based on Normal Distribution)

◦7.32, 7.34a (t Intervals)

◦8.5 (Test Procedure)

◦8.16, 8.25, 8.26, 8.29a (Test Concerning a Population Mean)

◦8.37 (Test Concerning a Population Proportion)

◦8.51a,b,c, 8.55, 8.58 (P-Values)

Final Exam Practice Problems: 2.38a b c, 2.100b, 3.50, 3.81, 4.45, 4.106, 5.60, 6.11, 7.20, 8.58(Also give a 95% Confidence Interval for the population mean), 12.12abcd