

November 12, 2019

Name: _____

CS 624 Biostatistics, Fall 2019

Quiz 2

100 total points

Use R to perform all necessary calculations. Attach your code and output. Give interpretation and discuss all relevant statistical measures.

Problem 1. (50 points) We are interested in finding and assessing the effect sizes of the important predictors of the housing price classes. Analyze the Boston house price dataset available at <http://lib.stat.cmu.edu/datasets/boston> to answer this question. In particular, create an outcome factor variable of interest with three categories (Low and High) by using the 50th sample percentile of the median value of owner occupied homes on 1000s.

Problem 2. (50 points) We are interested in finding and assessing the effect sizes of the important predictors on the number of number of seizures. Analyze the seizure dataset available on Canvas to answer this question.