MATH 254 - Statistical Modeling and Applications - HW2

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From Textbook 2

Introductory Statistics with Randomization and Simulation 1st Edition, by D. Diez, C.D. Barr, M. Cetinkaya-Rundel,

https://www.openintro.org/book/isrs/

PROBLEMS

Note that the label (R Studio) means that you will need to use R Studio for those problems. But even if there is no such label, you are encouraged to use it whenever you can.

Categorical variables

1. Problem 1.50 – page 60s

Sampling distributions

2. (R Studio) Study the NBA salary from class, study the R files on Bbackboard relating to the NBA salaries and look at the dataset NBA salaries (again on Blackboard). Then simulate sampling distribution of SAMPLE MEDIAN of 100 NBA salaries.

3. Problem 2.12 – page 116

CLT, Normal distribution