

Advanced Statistical Methods
BCADA2221
Assingment 1

Date: 12.02.2022

Due on: 19.04.2022

Solve the following problems. Show your work. Submit your assingments in groups of three.

1. A bag contains 8 red, 5 white and 9 green balls.
 - (a) What is the probability of drawing 3 white balls without replacement?
 - (b) What is the probaility of drawing 2 red and 2 white balls?
 - (c) What is the probability of drawing 1 red or 1 white or 1 green ball?

(2)
2.
 - (a) Explain the difference between sample and population.
 - (b) Explain the difference between estimate and estimator.

(1)
3. Given two estimators, how can I choose the better of the two?

(1)