COSC 6335 Fall 2023

Group Homework Credit

Group B Task

To be presented Th., Sept. 14, 2023

1. The median line of the boxplot depicted below, which has been created for an attribute x, is far below the center of the boxplot; what does this tell you about the distribution of attribute x?



1. Comparing Histograms

x<-c(18, 58, 22, 50, 44, 64, 14, 15, 58, 6, 26, 29, 26, 18, 44, 120, 122)
y<-c(0, 1, 2, 22, 23, 24, 34, 55, 55, 56, 57, 58, 60, 50, 70, 72, 111)
Compare the boxplots for datasets x and y which have been created using the R-commands: boxplot(x) and boxplot(y); if you like to see both boxplots lined up use: boxplot(x,y)

Group C Task

To be presented Tu., Sept. 14, 2023

Suppose we create the following histograms to compare the exam scores for 2 groups of students of equal size which were taught using two different methods.



Characterize the 2 histograms! Next, compare the two histograms! What do they tell you concerning the effectiveness of Method1 and Method2?