QUIZ 1 (questions are in italics)

a) Write code to read-in the data set called qz1\_dat.txt from the course website, and call it dat. The data set has no header.

dat = read.table("http://sites.stat.washington.edu/marzban/390/spring21/qz1\_dat.txt",header=F)

#1pt total

#give 0.5 if incorrect web address/wrong header specification/not calling it dat

#okay if not specifying header

b) Write code to make a (frequency) histogram of the 2nd column, with about 50 breaks.

hist(dat[,2], breaks = 50)

#1pt total for [,2]

c) Write code to make a (frequency) histogram of the (natural) log of the 2nd column, with about 50 breaks.

hist(log(dat[,2]), breaks=50)

#1pt for taking the log

#-0.25 if used log10/log2 instead

d) Write code to make a (frequency) histogram of the length of teeth in the R data called ToothGrowth, with about 20 breaks.

data(ToothGrowth) # for some students, this is unnecessary.

hist(ToothGrowth$len, breaks=20)

#1pt for retrieving the desired variable. [,1] is also okay

#0.5 if successfully accessed the data

e) Consider the data (0, 0, 1, 0, 1, 0, 1, 0, 1, 0). Write code to make a histogram for this data. Do not make a text file containing this data.

x = c(0, 0, 1, 0, 1, 0, 1, 0, 1, 0)

hist(x)

#1pt for creating the data