WORKSHEET3B

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#1. Create a data frame using the table below. # a.Write the codes. Respondents <- c(seq(1,20)) Sex <-
c(2,2,1,2,2,2,2,2,2,2,1,2,2,2,2,2,2,2,1,2) FathersOccupation <- c(1,3,3,3,1,2,3,1,1,1,3,2,1,3,3,1,3,1,2,1) Person-
sathome <- c(5,7,3,8,5,9,6,7,8,4,7,5,4,7,8,8,3,11,7,6) Siblingsatschool <- c(6,4,4,1,2,1,5,3,1,2,3,2,5,5,2,1,2,5,3,2)
Typesofhouses <- c(1,2,3,1,1,3,3,1,2,3,2,3,2,2,3,3,3,3,3,2)

dframe <- data.frame(Respondents,Sex,FathersOccupation,Personsathome,Siblingsatschool,Typesofhouses)

#b.Describe the data. Get the structure or the summary of the data

summary(dframe)

#c. Is the mean number of siblings attending is 5?

Answer: No

#d. Extract the 1st two rows and then all the columns using the subsetting functions. #Write the codes
and its output.

cA <- subset(dframe[1:2, 1:6, drop = FALSE]) cA

#e. Extract 3rd and 5th row with 2nd and 4th column. Write the codes and its #result.

cB <- subset(dframe[c(3,5),c(2,4)]) cB

#f. Select the variable types of houses then store the vector that results as types_houses. #Write the codes.
cC <- dframe[c(6)]

type_houses <- cC

#g. Select only all Males respondent that their father occupation was farmer. Write #the codes and its
output.

c8 <- subset(dframe[c(3,11),c(2,3)]) c8

#h. Select only all females respondent that have greater than or equal to 5 number #of siblings attending
school. Write the codes and its outputs

cF <- subset(dframe[c(1:20), c(2,5)]) girlS <- cF[dframe$Siblingsatschool >= 5,] girlS

#2. Write a R program to create an empty data frame. Using the following codes: df = data.frame(Ints=integer(),
Doubles=double(), Characters=character(), Logicals=logical(), Factors=factor(), stringsAsFactors=FALSE)
print("Structure of the empty dataframe:") print(str(df))

#Describe the results.

Using data is a simple way to create an empty DataFrame in the R programming language. frame() method
with no parameters This generates a R DataFrame with no rows or columns (0 rows and 0 columns).

#Interpret the graph.

The negative sentiments of tweets per day outnumber the positive, and the neutral sentiment is the lowest.