RWorksheet_Talon#3b

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```
#1.

#a.
dframeRspndts <- c(1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20)
dframeSex <- c(2,2,1,2,2,2,2,2,2,2,1,2,2,2,2,2,2,2,1,2)
dframeFatherOcc <- c(1,3,3,3,1,2,3,1,1,1,3,2,1,3,3,1,3,1,2,1)
dframePersonAtHome <- c(5,7,3,8,5,9,6,7,8,4,7,5,4,7,8,8,3,11,7,6)
dframeSiblingsAtSchool <- c(6,4,4,1,2,1,5,3,1,2,3,2,5,5,2,1,2,5,3,2)
dframeTypesOfHouse <- c(1,2,3,1,1,3,3,1,2,3,2,3,2,2,3,3,3,3,3,2)

dframeHouseholdData <- data.frame("Respondents" = dframeRspndts,"Sex" = dframeSex, "Fathers Occupation"
                                  "Persons at Home" = dframePersonAtHome, "Siblings at School" = dframeS
                                  "Types of House" = dframeTypesOfHouse)

dframeHouseholdData


#b the data summarizes the household

summary(dframeHouseholdData)


#c

#wrong, the correct answer is 2.95

#d
FirstNSecond <- dframeHouseholdData[1:2,]
FirstNSecond

#Respondents Sex Fathers.Occupation Persons.at.Home Siblings.at.School Types.of.House
#1           1   2                  1              5                  6              1
#2           2   2                  3              7                  4              2

#e

ThridN5_2N4 <- dframeHouseholdData[c(3,5),c(2,4)]
ThridN5_2N4

#Sex Persons.at.Home
#3   1              3
#5   2              5
```

```
#f

Types_Houses <- dframeHouseholdData[,1]
Types_Houses

#g

dframeMlFatherOcc <- dframeHouseholdData[dframeHouseholdData$Sex == 1 & dframeHouseholdData$Fathers.Occu
dframeMlFatherOcc

#h

dframeFmlSiblings <- dframeHouseholdData[dframeHouseholdData$Sex == 2 & dframeHouseholdData$Siblings.at
dframeFmlSiblings

#Sex Siblings.at.School
#1    2                 6
#7    2                 5
#13   2                 5
#14   2                 5
#18   2                 5


#2
dframeNum2 <- data.frame(Ints=integer(),
                         Doubles=double(), Characters=character(),
                         Logicals=logical(),
                         Factors=factor(),
                         stringsAsFactors=FALSE)

print("Structure of the empty dataframe:")
print(str(df))

#a  #it will print the structure of the given dataframe


#3

dframe2Respondents <- c(1:10)
dframe2Sex <- c("Male", "Female", "Female", "Male", "Male", "Female", "Female", "Male","Female", "Male"]
dframe2FatherOcc <- c(1,2,3,3,1,2,2,3,1,3)
dframe2PersonAtHome <- c(5,7,3,8,6,4,4,2,11,6)
dframe2SiblingsAtSchl <- c(2,3,0,5,2,3,1,2,6,2)
dframe2TypeOfHouse <- c("Wood", "Congrete", "Congrete", "Wood", "Semi-congrete", "Semi-congrete", "Wood

dframe2HHD <- data.frame("Respondents" = dframe2Respondents,
                         "Sex" = dframe2Sex,
                         "Fathers Occupation" = dframe2FatherOcc,
                         "Person at Home" = dframe2PersonAtHome,
                         "Siblings at School" = dframe2SiblingsAtSchl,
                         "Type of Houses" = dframe2TypeOfHouse)

dframe2HHD
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write.csv(dframe2HHD, file = "HouseHoldData.csv")


#a

csvHHD <- read.csv(file = "HouseHoldData.csv")
csvHHD

#b

csvHHDSex <- as.integer(factor(csvHHD$Sex, levels = c("Male", "Female")))
csvHHDSex

#1 2 2 1 1 2 2 1 2 1

#c
csvHHDTypeofHouse <- as.integer(factor(csvHHD$Type.of.Houses, levels = c("Wood", "Congrete","Semi-congr
csvHHDTypeofHouse

#1 2 2 1 3 3 1 3 3 2

#d

csvHHD$Fathers.Occupation
csvHHDfatherOccu <- as.integer(factor(csvHHD$Fathers.Occupation, levels = c("")))
csvHHDfatherOccu


#e

csvHHDFemFatherOccu <- csvHHD[csvHHD$Sex == "Female" & csvHHD$Fathers.Occupation == 2, c(3,4)]
csvHHDFemFatherOccu

#2 Female                  2
#6 Female                  2
#7 Female                  2

#f

csvHHDSkolarNgBayan <- csvHHD[csvHHD$Siblings.at.School >= 5, c(2,6)]
csvHHDSkolarNgBayan

#4           4                  5
#9           9                  6


#4


# The negative sentiments on July 14 became a majority on that day, implying that there is something neg
# Peaking at July 15 followed by positive and neutral, implying that the hate continues and just increas
# followed by July 16 and 17 having the same amount of negativity, only to drop at the lowest digits on
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# and rising again on July 21 claiming it as the 2nd highest. This indicates that there are negative oc
# that was happening on those days, while others remain positive, meaning that public opinion do vary f
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