BuiModule8Sc.R

banka

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require(pryr)

## Loading required package: pryr

require(ISLR)

## Loading required package: ISLR

require(boot)

## Loading required package: boot

library(data.table)

##   
## Attaching package: 'data.table'

## The following object is masked from 'package:pryr':  
##   
## address

library(plyr)

Student6 <- read.table("Assignment 6 Dataset.txt", header = TRUE, sep = ",")  
Student6

## Name Age Sex Grade  
## 1 Raul 25 Male 80  
## 2 Booker 18 Male 83  
## 3 Lauri 21 Female 90  
## 4 Leonie 21 Female 91  
## 5 Sherlyn 22 Female 85  
## 6 Mikaela 20 Female 69  
## 7 Raphael 23 Male 91  
## 8 Aiko 24 Female 97  
## 9 Tiffaney 21 Female 78  
## 10 Corina 23 Female 81  
## 11 Petronila 23 Female 98  
## 12 Alecia 20 Female 87  
## 13 Shemika 23 Female 97  
## 14 Fallon 22 Female 90  
## 15 Deloris 21 Female 67  
## 16 Randee 23 Female 91  
## 17 Eboni 20 Female 84  
## 18 Delfina 19 Female 93  
## 19 Ernestina 19 Female 93  
## 20 Milo 19 Male 67

StudentAverage = ddply(Student6,"Sex", transform, Grade.Average = mean(Grade))  
StudentAverage

## Name Age Sex Grade Grade.Average  
## 1 Lauri 21 Female 90 86.9375  
## 2 Leonie 21 Female 91 86.9375  
## 3 Sherlyn 22 Female 85 86.9375  
## 4 Mikaela 20 Female 69 86.9375  
## 5 Aiko 24 Female 97 86.9375  
## 6 Tiffaney 21 Female 78 86.9375  
## 7 Corina 23 Female 81 86.9375  
## 8 Petronila 23 Female 98 86.9375  
## 9 Alecia 20 Female 87 86.9375  
## 10 Shemika 23 Female 97 86.9375  
## 11 Fallon 22 Female 90 86.9375  
## 12 Deloris 21 Female 67 86.9375  
## 13 Randee 23 Female 91 86.9375  
## 14 Eboni 20 Female 84 86.9375  
## 15 Delfina 19 Female 93 86.9375  
## 16 Ernestina 19 Female 93 86.9375  
## 17 Raul 25 Male 80 80.2500  
## 18 Booker 18 Male 83 80.2500  
## 19 Raphael 23 Male 91 80.2500  
## 20 Milo 19 Male 67 80.2500

sex <- Student6$Sex  
  
write.table(StudentAverage,"Sorted\_Average")  
  
StudentI <- subset(Student6,grepl("[iI]",Student6$Name))   
StudentI

## Name Age Sex Grade  
## 3 Lauri 21 Female 90  
## 4 Leonie 21 Female 91  
## 6 Mikaela 20 Female 69  
## 8 Aiko 24 Female 97  
## 9 Tiffaney 21 Female 78  
## 10 Corina 23 Female 81  
## 11 Petronila 23 Female 98  
## 12 Alecia 20 Female 87  
## 13 Shemika 23 Female 97  
## 15 Deloris 21 Female 67  
## 17 Eboni 20 Female 84  
## 18 Delfina 19 Female 93  
## 19 Ernestina 19 Female 93  
## 20 Milo 19 Male 67

write.table(StudentI, "DataSubset", sep = ",")