Mod–8.R

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```r
library(plyr)
library(ISLR)
```

```
## Warning: package 'ISLR' was built under R version 4.3.2
```

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

Average_1 <- ddply(x, "Sex", transform, Grade.Average = mean(Grade))

write.table(Average_1,"Sorted_Average", sep = ",")

Average_2 <- subset(x, grepl("[iI]",x$Name))

write.table(Average_2, "DataSubset", sep = ",")
Average_2
```

```
##            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
```