Lab\_3

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## Question 1

#a  
proj.df = read.csv("FantasyProjections.csv")  
  
  
#b  
nrow(proj.df)

## [1] 297

ncol(proj.df)

## [1] 9

(1.b) There are 297 observations (rows) and 9 variables (columns)

mnftps = mean(proj.df$Fpts)  
mnftps

## [1] 15.2503

medftps = median(proj.df$Fpts)  
medftps

## [1] 14.23

(1.c) The mean of Ftps is ~15.3 and the median is ~14.2

## Question 2

(2.a)

#a  
proj.df$Name[which.min(proj.df$Value)]

## [1] "Karl-Anthony Towns"

#b  
proj.df$Name[which.max(proj.df$Value)]

## [1] "Cody Zeller"

#c  
proj.df[which.max(proj.df$Fpts), c("Name", "Position")]

## Name Position  
## 1 Nikola Jokic C

## Question 3

#a  
given = 0  
above.average.df = proj.df[proj.df$Value > given,]

#b  
break.line = mean(above.average.df$Fpts)

#c  
the.top = above.average.df[above.average.df$Fpts > break.line, "Name"]