

## 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 Fpts 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"]
```