

ACADGILD ASSIGNMENT 8.2

SESSION 8: Exploratory Data Analytics

a. Compute the measures of central tendency for salary and reduction which variable has highest center?

Answer:

```
library(Rcmdr)
library(splines)
library(RcmdrMisc)
library(car)
library(carData)
library(sandwich)
library(effects)
library(RcmdrPlugin.IPSUR)
data("RcmdrTestDrive")
RcmdrTestDrive
Y <- tapply(salary, list(gender=gender),sd)
```

Output from R-console

```
gender
Female  Male
130.7053 158.5423
```

b. Which measure of center is more appropriate for before and after?

Answer:

```
library(Rcmdr)
library(splines)
library(RcmdrMisc)
library(car)
library(carData)
library(sandwich)
library(effects)
library(RcmdrPlugin.IPSUR)
data("RcmdrTestDrive")
RcmdrTestDrive
attach(RcmdrTestDrive)
names(RcmdrTestDrive)
summary(RcmdrTestDrive)
c(mean(before), median(before))
c(mean(after), median(after))
```

Output from R-console

```
> c(mean(before), median(before))
[1] 73.96607 73.90000
```

```
> c(mean(after), median(after))
[1] 73.26726 73.70000
```

