

## Assignments for session on “Exploratory Data Analytics”

```
install.packages("RcmdrPlugin.IPSUR")
```

```
library(RcmdrPlugin.IPSUR)
```

```
head(RcmdrTestDrive)
```

#Finding Measure of central tendency i.e, Mean , Median

```
central_tendency_salary <- c(mean(RcmdrTestDrive$salary),median(RcmdrTestDrive$salary))
```

```
central_tendency_reduction <- c(mean(RcmdrTestDrive$reduction),median(RcmdrTestDrive$reduction))
```

```
central_tendency_salary
```

```
central_tendency_reduction
```

```
> central_tendency_salary  
[1] 724.5164 710.1500  
> central_tendency_reduction  
[1] 223.631 139.500
```

Kurtosis shows that “reduction” has more peakedness and hence more central tendency compared to salary

```
> kurtosi(RcmdrTestDrive$salary)  
[1] 0.2006576  
> kurtosi(RcmdrTestDrive$reduction)  
[1] 10.01655
```

Mean can be a good indicator for before/after comparisons.