

Assignment 8.2

Problem Statement

library(RcmdrPlugin.IPSUR)

data(RcmdrTestDrive)

Perform the below operations: -

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

R file attached central_tendancy.R , a screenshot (central_tendancy.png) to show the boxplot of salary also attached. It shows the outliers

Salary

Mean : 724.5

Median : 710.1

Mode : 618.65

Reduction

Mean : 223.63

Median : 139.50

Mode : 116

Here salary has the highest center

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

Screenshots boxplot_before.png and boxplot_after.png attached

In Before : there are no outliers and so we can use Mean as the measure of center it is 73.97

After : In the box plot we can see so many values below 70 . Here we can use Median as the most appropriate center : 73.70