

Assignment 8.2

Problem Statement

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library(RcmdrPlugin.IPSUR)
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data(RcmdrTestDrive)
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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 outlayers

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 outlayers 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