

DIGARH ERSTY Discover. Learn. Empower.

Experiment - 10

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Section/Group: 20BCS-DM-902/(B)

Semester: 6th

Subject Code: 20CSP-376

Subject Name: Data mining lab

1.Aim: Outlier detection using R programming

2. CODE:

data <- rnorm(500)

#add 10 random outliers to this data data[1:10] <- c(46,9,15,-90, 42,50,-82,74,61,-32)

output to be present as PNG file png(file="Boxplot.png") # analyze the outliner in the provided data using the boxplot boxplot(data)

remove the outlier of the provided data boxplot.stats() function in R
data <- data[!data %in% boxplot.stats(data)\$out]</pre>

```
png(file="Boxplot1.png")
# verify if the outliner has been removed by plotting the boxplot
boxplot(data)
```

saving the file
dev.off()



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OUTPUT:

