

## Instructions for installation of R Packages

Dear Participant,

Greetings of the day!!!

Following are the softwares and packages that you should install in your personal laptops prior to attending the workshop.

Please follow the instructions below:

**R installation**

Install R for window

▪ <https://cran.r-project.org/bin/windows/base/>

Install R for MAC users

▪ <https://cran.r-project.org/bin/macosx/>

After you installed “R” then install RStudio

▪ <https://www.rstudio.com/products/rstudio/download/>

**Package installation**

For installation of the packages, enter the following R commands in the R command prompt. You need to have internet connection for package installation.

Some packages may be dependent on other packages so, it is safe to type:

```
install.packages("package name ", dependencies=TRUE)
```

**Packages that needs to be installed :**

1. ggplot2
2. reshape2
3. caret
4. randomForest
5. corrgram
6. VIM
7. gplots
8. outliers
9. tm
10. arrules
11. arulesViz
12. Hmisc
13. varSelRF
14. qgraph
15. ppcor
16. parcor
17. mvoutlier
18. fpc
19. cluster
20. mclust

21. plyr
22. dplyr
23. lattice
24. lars
25. glmnet
26. pheatmap
27. sqldf
28. elasticnet
29. glmnet
30. wordcloud
31. caTools
32. pls
33. igraph

Apart from this packages some packages needs to be installed via Bioconductor package in R

```
source("https://bioconductor.org/biocLite.R")  
biocLite()
```

Some packages need to be install via Bioconductor for example

```
source("https://bioconductor.org/biocLite.R")  
  
biocLite("multtest")  
biocLite("BHC")
```

If you have any problems in package installation please mail us back. There will a session on package installations in R on 3<sup>rd</sup> March at 6 pm in SOMS. This session is optional for participants and people who are reaching on 3<sup>rd</sup> March can bring their laptops and our team will assist in installations.

Any queries please feel free to mail us back.

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