R and RStudio Setup Guide

This document contains instructions on systematic installation of R and RStudio from the cran website.

Step 1: Installation of R

- Go to the following link to install R: http://cran.r-project.org

- Please make sure that you select the package compatible with your operating system

Step 2: Installation of RStudio

- Go to the following link to download RStudio:
  http://www.rstudio.com/products/rstudio/download/

- Please make sure that you select the package compatible with your operating system

Step 3: Installation of packages

- Run RStudio and explore the environment

- Install the following packages from your repository. You may use the install.packages() function available in R to do that

- Run the following command:

  install.packages(<comma_separated package names>, dependencies = TRUE) in your R console

  For example: To install packages plyr and dplyr, run the following command:

  install.packages("plyr", "dplyr", dependencies = TRUE)

Module	Packages		Module	Packages
R programming:	plyr dplyr reshape2 sqldf ggplot2 ggmap GGally gcookbook scales		**Linear algebra:**	lpSolve pracma SparseM Matrix MatrixModels
Probability and Statistics modeling:	visualize EnvStats rmr		**Predictive modeling:**	pbkrtest car alr3 caTools leaps
Data preparation:	sampling mice pwr survival FrF2 DoE.base MASS fitdistrplus car predictmeans caret e1071		**Machine learning:**	e1071 mice caret party rpart rpart.plot tree MASS lars stats pls randomForest