R language basics

#In R language everything will start from 1

#and in python everything is start with 0.

#simple maths

3+7

3-4

10+11

22\*11

22/11

Just add any csv data frame in the environment window (add text csv)

#how to view your data

View(cars)

#how to check the mean

mean(cars$speed)

mean(cars$dist)

#how to check median

median(cars$speed)

median(cars$dist)

# for mode we have to install modeest

install.packages("modeest")

library(modeest)

#inside this function modeest is MFV( most frequent value )

mfv(cars$speed)

mfv(cars$dist)

#summary function is used to get the min max and quatile value of the data set of selected row or coloumn

summary(cars$dist)

summary(cars$speed)

#now if we want all the column data min max values we can type directly summary function with the data set name .

summary(cars)

#for structuce functio use (str) where we get all the int values

str(cars)

#with the help of this function we can directly use data for all the calculations

attach(cars)

#like eg

mean(speed)

mean(dist)

median(speed)

median(dist)

mfv(dist)

mfv(dist)

# now if we want to dettach the data set just use detach function by which it is no longer been used

detach(cars)

# now if we use want to use mean or any unction directly we cannot use it for eg

mean(speed)

#it will give us an error .

#whenever we get any error we can find out from stack overflow (just copy the error and it will solve the issue )

#Head function is used for getting 1st few records

head(cars)

# now if we want 1st 10 values just add 10 to it .

head(cars,10)

head(cars,20)

#now if we want last records we use tail function

tail(cars)

tail(cars,10)

#now if we want to displays all the values in it

cars[,]

# now if we want 20 records we can get by giving

cars[1:20,]

# now if we want all columns or selected columns

cars[1:20,c(1,2)]

cars[1:20,c(1)]

# now if dont want 1st column

cars[1:30,-c(2)]