2-R-Data Types

Snehasish

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Data Types

# Data types (Normal, Ordinal, Interval, Ratio)  
# But in system it is (Numeric, Character, Logical, Date, Vector)  
  
x= 10  
class(x)

## [1] "numeric"

# Numeric-- Integer and Decimal  
x = 10.54  
class(x)

## [1] "numeric"

x = 10L  
class(x)

## [1] "integer"

# to make it as a integer we have to add L   
# L - Integer  
is.integer(x)

## [1] TRUE

is.numeric(x)

## [1] TRUE

# Character--- Categorical Variable- Nominal  
s = "R studio"  
class(s)

## [1] "character"

# Characters----words/strings(Nominal), Classification(Gender- Male, Female)  
# Level of Classification- Factors----Involves Levels(Ordinals)  
  
# Logical  
a = TRUE  
class(a)

## [1] "logical"

is.logical(a)

## [1] TRUE

# Date---- 1 Jan 1970  
# POSIXct - Date plus Time  
date = as.Date("2012-06-28")  
date

## [1] "2012-06-28"

class(date)

## [1] "Date"

as.numeric(date)

## [1] 15519

date = as.POSIXct("2020-11-22 10:32:25")  
date

## [1] "2020-11-22 10:32:25 IST"

as.numeric(date)

## [1] 1606021345

# Vector   
# R is called as Vectorized language