Getting Started

① www.r-project.org → R is free!

② www.rstudio.com → download and Install

Data Structures and Syntax

	Homogeneous	Heterogeneous
1d	Vector ←	List
2d	Matrix	Data frames
nd	Array	

the contents must be   the contents can be
of the same type   of different types

1- Vectors

The basic data type in R is the vector.

1- Integer vector
2- Double vector (often called numeric)
3- Character vector
4- Logical vector
5- Complex vector (!)

Types of Categorical Variables

1- A nominal (sınıflayıcı) variable: is a variable without an implical order.

Example: Gender (Sex): Male / Female
Hair Color : Brown, Black or Blond

c ("low", "medium", "high")
c ("female", "male", "male", "female")

2) An ordinal (sıralayıcı) variable: has a natural ordering.

Example: Low
           Medium   medium ranks higher than low and
           High   High ranks lower than medium.

factor(c("low", "medium", "high"), order =TRUE , levels = c ("low", "medium", "high"))

1st argument   2nd argument   3rd argument
is the data   is the order   is the way you wish the order be like

(※) factor() refers to categorical variables.

(✳) c() , seq() or rep() can be used to create vectors

(✳) rm() : remove an object
Ctrl + L : Clean Console