

R Cheat Sheet

by dawntyy via cheatography.com/57116/cs/15108/

| Arithmetic | | |
|------------|----------------|--|
| + | Addition | |
| - | Subtraction | |
| * | Multiplication | |
| / | Division | |
| ٨ | Exponentiation | |
| %% | Modulo | |

Variable Assignment

my_var <- 4

To store a value (e.g. 4) or an object (e.g. a function description) in R then later use this variable's name to easily access the value or the object that is stored within this variable.

| Basic Data Types | | |
|------------------|-----------------------------------|--|
| Numerics | Decimals values like 4.5 and 4 | |
| Integers | Natural numbers like 4 | |
| Logical | Boolean values (TRUE or FALSE) | |
| Characters | Text (or string) values | |
| class() | To check the data | |

type of a variable

Selection by Comparison

| < | Less than |
|----|--------------------------|
| > | Greater than |
| <= | Less than or Equal to |
| >= | Greater than or Equal to |
| == | Equal to each other |

Not equal to each other

Vectors

Vectors are one-dimension arrays that can hold numeric data, character data, or logical data.

In other words, a vector is a simple tool to store data.

| Vector Functions | | |
|-------------------|--|--|
| c() | Create a vector | |
| names() | Give a name to the elements of a vector | |
| sum() | Calculates the sum of all elements of a vector | |
| | Select specific elements of a vector | |
| [c(,)] OR [c(: | Select multiple elements from a vector | |



By dawntyy cheatography.com/dawntyy/

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