

Objects in R



R

Basic classes of objects



- Character
- Integer
- Numeric (real numbers)
- Logical (TRUE/FALSE)

Storing objects

Storing objects is called **assignment**.

The **assignment operators** in R are `<-` and `=`.

```
min_age <- 21
```

```
min_age = 21
```

Character objects

Character objects can be created by surrounding text in double or single quotes.

```
"This is a character object."
```

```
'This is also a character object.'
```

Example of a character vector of length 1:

```
my_char <- "This is a character object."
```

Example of a character vector of length 2:

```
my_char_vec <- c("char object 1", "char object 2")
```



`c()` is the concatenation function

Integer objects

Integer objects are created by specifying `L` after an integer number.

```
num <- 1L
```

Example of an integer vector of length 3:

```
num_vec <- c(1L, 10L, 3L)
```

Numeric objects

Numeric objects are created by simply specifying a number.

```
num <- 1.2
```

Example of a numeric vector of length 2:

```
num_vec <- c(1.2, 9.8)
```

Logical objects

Logical values in R are `TRUE` and `FALSE`.

```
check_condition <- TRUE  
check_condition <- FALSE
```

Example of a logical vector of length 3:

```
check_condition <- c(TRUE, TRUE, FALSE)
```

Data frames

Columns correspond to variables.

model	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160	110	3.90	2.620	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160	110	3.90	2.875	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.320	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.215	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360	175	3.15	3.440	17.02	0	0	3	2
Valiant	18.1	6	225	105	2.76	3.460	20.22	1	0	3	1

Rows correspond to observations.