

# R Naming Convention

The naming conventions listed here are to be used for any R code creation. However, if there was a complete project in R that uses different conventions and style templates, you should always continue to work according to the style of the existing code.

## Basis: Google's R Style Guide

The current conventions are based on the Google R Style Guideline: [Google's R Style Guide](#).

Here we will describe the extensions and repeat some important points of the above convention.

## Variable Names

The variable names consist of two parts: the abbreviation of the variable type and the variable name.

The name always starts with lowercase letters and other words in the name are capitalized.

Type	Abbreviation of the Variable Type	.	Name of the Variable	Examples
vector	<b>v</b>	.	parameters, index	v.parameters, v.index
matrix	<b>m</b>	.	data, allData	m.data, m.allData
list	<b>l</b>	.	allForecasts	l.allForecasts
data table	<b>dt</b>	.	actualData	dt.actualData
data frame	<b>df</b>	.	dataCurves	df.dataCurves
scalar/string			nrIterations	nrIterations

## Function Names

Functions always start with capital letters and the first word is a verb. Additional words are separated from the first with capital letters. For more complex functions, comment sections should always be included that describe what is the input and output of the function and what the function calculates.

---

```
CalculateSum <- function(x, y){  
  ## This function computes and returns the sum of  
  
  ## of the two input parameters x and y.  
  
  sum <- x + y  
  return(sum)  
}
```

---