Basic Methods for Handling Variables

In this lesson, we'll learn how to List and Delete variables.

We'll cover the following

Listing and Deleting Variables

Listing

We can check all the variables that have been created in the workspace using the keyword `ls()`.

> 💡 To import recent packages for execution of codes on our platform, we have declared a variable r at our backend. Under normal circumstances, you will not get this variable when using the ls() command.

```
myRealNumeric <- 10
myDecimalNumeric <- 10.0
myCharacter <- "10"
myBoolean <- TRUE
myInteger <- 0:10
myComplex <- 5i

cat("Variables in the current directory: \n")
ls() # returns all the variables created in the workspace alphabetically
cat("\n")
```

Using ls() for finding all the variables created in the code

Deleting

We can delete a specific variable from the workspace. The keyword `rm()` can help us permanently remove one or more objects from the workspace:

```
myRealNumeric <- 10
myDecimalNumeric <- 10.0
myCharacter <- "10"
myBoolean <- TRUE
myInteger <- 0:10
myComplex <- 5i

cat("Variables in the current directory: \n")
ls() # returns all the variables created in the workspace
cat("\n")

cat("Deleting myRealNumeric and myDecimalNumeric \n\n")

rm(myRealNumeric, myDecimalNumeric) # delete the two mentioned variables

cat("Variables in the current directory, now: \n")
ls() # returns all the variables created in the workspace
     # myRealNumeric, myDecimalNumeric are now deleted
cat("\n")
```

Using rm() to delete a variable.

In the next lesson, we have a small exercise for you to test your concepts on variables.