Congratulations! You have completed this lesson. At this point in the course, you know:

- If statements use comparison and logical operators to test conditions in code.

- For loops perform an operation for each item in a list, vector, or data frame column.

- While loops perform an operation until a condition is no longer true.

- Functions can be pre-defined or user-defined.

- In user-defined functions, you can control the return value of a function, add logic using if statements, and call other functions.

- You can define global variables using the <<- variable assignment operator.

- You can use R functions to manipulate the characters in a string, split a string into a vector, and retrieve specific substrings from within a string.

- Regular expressions are used to match patterns in strings and text.

- You can convert dates from one format to another using the as.POSIXct() and as.Date() functions.

- You can perform operations on Data objects using functions, like Sys.Date(), Sys.Time(), date(), and as.Date().

- You can intercept errors in R code and provide custom error and warning handling using tryCatch() statements.