**In-Class Exercise for R Basics**

Part 1: Understanding RStudio Interface

1. Open RStudio and identify the four main panes.
2. Customize your RStudio Interface
3. Open a new R script and save it as "FirstScript.R".

Part 2: Packages and Data Manipulation

1. Install the packages recommended in The Epidemiologist R Handbook Chapter 5: <https://epirhandbook.com/en/suggested-packages-1.html>
2. Use the help function to learn about the dplyr package
3. Look up the vignette for using the dplyr package

Part 3: Basic Operations in R

1. Perform basic arithmetic operations: addition, subtraction, multiplication, and division.
2. Use the `sqrt()` function to find the square root of 64.
3. Create a variable `x` and assign it a value of 10. Print the value of `x`.

Part 4: Working with Functions

1. Use the `summary()` function to summarize a numeric vector of your choice.
2. Create a simple function that takes two numbers as input and returns their sum.
3. Use the function you created to find the sum of 5 and 10.

Part 5: Creating Vectors and Data Frames

1. Create a numeric vector containing the first 10 even numbers.
2. Create a character vector containing the names of five fruits.
3. Combine these two vectors into a data frame with appropriate column names.
4. Add a logical vector to the data frame indicating whether each fruit is tropical (TRUE/FALSE).