

Copilot

Sure! Here are five easy programming tasks in R for you to practice:

1. Basic Arithmetic Operations:

- Write a function that takes two numbers as input and returns their sum, difference, product, and quotient.

2. Vector Operations:

- Create a vector of 10 random numbers between 1 and 100. Write a function to find the mean, median, and standard deviation of the vector.

3. Data Frame Manipulation:

- Create a data frame with three columns: `Name`, `Age`, and `Score`. Populate it with at least five rows of data. Write a function to filter the data frame to show only rows where the `Score` is above 70.

4. Plotting:

- Generate a scatter plot of 50 random points with `x` values between 1 and 100 and `y` values between 1 and 100. Add a title and labels to the axes.

5. Conditional Statements:

- Write a function that takes a number as input and returns “Positive” if the number is greater than 0, “Negative” if the number is less than 0, and “Zero” if the number is 0.

And here's a task specifically for practicing string manipulations:

String Manipulation Task:

- Write a function that takes a string as input and performs the following operations:
 - Convert the string to uppercase.
 - Replace all spaces with underscores.
 - Count the number of vowels in the string.
 - Reverse the string.

I hope these tasks help you practice and improve your R programming skills! If you have any questions or need further assistance, feel free to ask. Happy coding! 😊