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Programming and Data Analysis with R

Dr. Anja Mühlemann

Logical Comparisons and Operators

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- Logical comparisons (>, <, ==, …) and logical operators (&, |, !) help control the flow of your code by making decisions based on conditions.

- Logical comparisons enable filtering of data, such as selecting rows in a dataframe or subsetting vectors based on conditions.

- Logical operators enable combining multiple conditions, increasing flexibility.

Conditionals (if / else)

- if-else statements allow you to execute certain blocks of code based on whether a condition is true or false.

- They can also be used to check for potential errors and handle special cases.

Loops (for, while)

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- Loops automate repetitive tasks, reducing manual code repetition.

- For-loops enable efficient iteration over data structures like vectors, lists and data frames.

- While-loops provide flexibility for dynamic situations where the number of iterations depends on a condition.

Assignment 1

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- Based on Chapters 1-4

- Due until October 18th

- It helps if you follow the instructions on page 3.

➡️ Let's move to the assignment itself to quickly look at it together