PP4RS | R Module

Slot 1 - Additional Exercises

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05.09.2018

Slot 1: Data Types

Exercises: Vector Operations

Define the vector $\vee < -c(1,2,3)$. Multiply the vector with 2. What happens?

Define the vector w < -c(1,2). Multiply the v with w. What happens?

Exercises: Subsetting Vectors

Define a vector a<-c("blue", "red", "yellow", "green"). Print only the first value. (hint: use square brackets)

Print the first and the last values of a. (hint: think about the first and the last values being a vector)

Exercises: Subsetting Vectors

Print all values of a except the first. (hint: use the minus sign)

Use a to print a vector of four elements, all called "red".

Exercises: Subsetting Vectors

Define b < -c(1,2,3,4,5,6,7,8,9,10). Print all elements which are smaller than 5.

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Create the following list: fancy_list <- list(a = 1:12, b = 'Pancakes are lovely, dear!', c = TRUE, d = list(-99, 1))
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Return a sublist of the last item in our fancy_list and check its structure.

Return the last item in our fancy_list. Check what structure the returned element has.

Return the element named b from our fancy_list. (hint: use the \$ sign to combine fancy_list and b)

Return the first element of the last element.

Return the first element of the last element as a list.