Session5-assignment3

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Test whether two vectors are exactly equal (element by element).

vec1 = c(rownames(mtcars[1:15,])) vec2 = c(rownames(mtcars[11:25,]))

vec1 == vec2

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| > vec1 == vec2  [1] FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE FALSE  [12] FALSE FALSE FALSE FALSE |
| |  | | --- | |  | |  | |
|  |

Sort the character vector in ascending order and descending order.

vec1 = c(rownames(mtcars[1:15,])) vec2 = c(rownames(mtcars[11:25,]))

> sort(vec1,decreasing = FALSE)

[1] "Cadillac Fleetwood" "Datsun 710" "Duster 360"

[4] "Hornet 4 Drive" "Hornet Sportabout" "Mazda RX4"

[7] "Mazda RX4 Wag" "Merc 230" "Merc 240D"

[10] "Merc 280" "Merc 280C" "Merc 450SE"

[13] "Merc 450SL" "Merc 450SLC" "Valiant"

> sort(vec2,decreasing = FALSE) #ascending

[1] "AMC Javelin" "Cadillac Fleetwood" "Camaro Z28"

[4] "Chrysler Imperial" "Dodge Challenger" "Ferrari Dino"

[7] "Fiat 128" "Fiat X1-9" "Ford Pantera L"

[10] "Honda Civic" "Lincoln Continental" "Lotus Europa"

[13] "Maserati Bora" "Merc 280" "Merc 280C"

[16] "Merc 450SE" "Merc 450SL" "Merc 450SLC"

[19] "Pontiac Firebird" "Porsche 914-2" "Toyota Corolla"

[22] "Toyota Corona" "Volvo 142E"

|  |
| --- |
| > sort(vec1,decreasing = TRUE)  [1] "Valiant" "Merc 450SLC" "Merc 450SL"  [4] "Merc 450SE" "Merc 280C" "Merc 280"  [7] "Merc 240D" "Merc 230" "Mazda RX4 Wag"  [10] "Mazda RX4" "Hornet Sportabout" "Hornet 4 Drive"  [13] "Duster 360" "Datsun 710" "Cadillac Fleetwood" |
|  |
| > sort(vec2,decreasing = TRUE) #Decsending  [1] "Volvo 142E" "Toyota Corona" "Toyota Corolla"  [4] "Porsche 914-2" "Pontiac Firebird" "Merc 450SLC"  [7] "Merc 450SL" "Merc 450SE" "Merc 280C"  [10] "Merc 280" "Maserati Bora" "Lotus Europa"  [13] "Lincoln Continental" "Honda Civic" "Ford Pantera L"  [16] "Fiat X1-9" "Fiat 128" "Ferrari Dino"  [19] "Dodge Challenger" "Chrysler Imperial" "Camaro Z28"  [22] "Cadillac Fleetwood" "AMC Javelin" |

What is the major difference between str() and paste() show an example.

Str() will let you the print data type in the data frame. Paste() will print the elements of data frame.

Introduce a separator when concatenating the strings.

Paste(“This is first class”,”category 1” sep = “-“)

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| --- |
| > paste("This is first class","Category 1", sep = "-")  [1] "This is first class-Category 1" |
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| |  | | --- | | > | |