Review - Week1

learningSpoonsR

2018년 4월 15일

## Module 1 - Hello World

**Problem** 1.

a <- "Hello"  
a

## [1] "Hello"

ans:

**Problem** 2.

a <- "Hello"  
b <- "World"  
paste(a,b)

## [1] "Hello World"

ans:

**Problem** 3.

paste0(a,b)

## [1] "HelloWorld"

ans:

**Problem** 4.

paste(a,b,sep="-")

## [1] "Hello-World"

ans:

## Module 2 - Data Type

**Problem** 1.

font <- "The quick brown fox"  
substr(font, 4, 7)

## [1] " qui"

ans:

**Problem** 2.

nchar(font)

## [1] 19

ans:

**Problem** 3.

grep("ui", font)

## [1] 1

## [1] "ANS: The function grep somehow returns 0 or 1, which is equivalent to TRUE or FALSE!"

ans:

**Problem** 4.

gsub("brown", "white", font)

## [1] "The quick white fox"

ans:

**Problem** 5.  
위의 명령은 다음과 같이 사용할 수도 있습니다. 어떤 장단점이 있을까요?

gsub(pattern = "brown", replace = "white", x=font)

## [1] "The quick white fox"

ans:

## [1] "ANS: This is easier to understand, but a lengthy code. If frequent and obvious, go with the previous way."

**Problem** 6.

aprilFool <- "2018-04-01"  
class(aprilFool)

## [1] "character"

ans:

**Problem** 7.

as.Date(aprilFool)

## [1] "2018-04-01"

class(aprilFool)

## [1] "character"

## [1] "ANS: Whoops! We have not assign conversion to the variable!"

ans:

**Problem** 8.

bool1 <- 2==5  
bool2 <- grep(pattern = "el", x = "Hello World")  
paste(bool1, bool2)

## [1] "FALSE 1"

## ANS: paste(bool1, as.character(bool2)) will give "FALSE TRUE".