Week 1 Exercises

Exercise 1 - Variables

a) Write an expression to compute the sum of the numbers 3 and 4 sum(3, 4)## [1] 7 b) Write an expression to determine if the product of 4 and 5 is equal to 21 prod(4, 5) == 21## [1] FALSE c) Create the variables x,y,z with values (respectively) 2, 3.5, 7 y < -3.5z <- 7 d) Exploit a function of R to investigate the datatypeof the three variables x,y,ztypeof(x) ## [1] "double" typeof(y) ## [1] "double" typeof(z) ## [1] "double" e) Write an expression to compute the multiplication of the three variables x,y,zprod(x,y,z)## [1] 49 f) Write a Boolean expression (i.e., which result is T or F) which checks if the product of x,y,z is equal to prod(x,y,z) == 49## [1] TRUE g) Create a variable s with value "Alexander" s <- "Alexander" h) Look for a function returning the length of a string and use it to determine the length of snchar(s) ## [1] 9