R: summary of operations

FUNCTION	SYMBOL
Addition	+
Subtraction	-
Division	/
Multiplication	*
Exponentiation	^
Modular Division	%%
Equal	==
Not Equal	!=

FUNCTION	SYMBOL
And	&&
Or	||
If then x, else y	ifelse (condition, x, y)
store variable	<- or =
print variable x	print(x)
sequence from x to y	x : y
sequence from x to y in increments of z	seq(x , y, by = z)
repeat x, k times	rep(x, k)

R: summary of operations

Script	Console output
`3 + 2  # add two numbers`	`[1] 5`
`3 * pi # multiplication`	`[1] 9.424778`
`2^3  #  exponentiation`	`[1] 8`
`27 / 9  #  division`	`[1] 3`
`sqrt(16)  #  functions`	`[1] 4`
`13 %% 2 # modular division`	`[1] 1`

R: summary of operations

Script	Console output
`3 == 3  # equal?`	`[1] TRUE`
`3 != 3  # not equal?`	`[1] FALSE`
`1 && 1  #  and`	`[1] TRUE #  1 = TRUE`
`0 || 0  #  or`	`[1] FALSE #  0 = FALSE`
`ifelse ( 3 > 2, 5 ,2 ) # Conditional Statements`	`[1] 5`

R: summary of operations

Script	Console output
`d <- 3  # store variable`	`[1]  # no output`
`print(d) # show value of d`	`[1]  3`
`1 : 10 # generate sequence`	`[1] 1 2 3 4 5 6 7 8 9 10`
`seq( 1 ,5 , 0.5 )` `# generate sequence from 1 to 5 in increments of 0.5`	`[1] 1.0 1.5 2.0 2.5 3.0` `3.5 4.0 4.5 5.0`
`rep( 2 , 10 )` `# repeat number 2 ten times`	`[1] 2 2 2 2 2 2 2 2 2 2`