NEED-TO-KNOW DISTINCTIONS

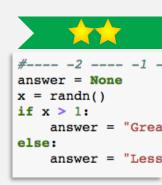


Indexation From 1 (R) vs 0 (Python)

Unlike in *most* programming languages, indexation in R starts from [1]. Python, on the other hand, starts indexation at [0]. You really have to shift your mentality when you jump between the two tools.

Tabulation Matters In Python

Python is created to be visually appealing even in terms of reading the code. This is one of the *few* programming languages where white spaces matter. Watch out where you place indentations! This is not the case in R.



5 vect1 <- c('a',' 6 vect1[-1] 7 #[1] "b" "c" "d" 8 vect1[-2] 9 #[1] "a" "c" "d" 10

Negative Indexation [-1]

In both languages you can pass a negative index [-n] to a vector / list. However, the results will be drastically different. E.g. in R [-4] excludes the 4th element from the subset, in Python [-4] returns only the 4th element from the right.

Matrix Population Behaviour

By default, in R the matrix() function populates matrices column-by-column, whereas in Python np.reshape() does it row-by-row. This behaviour stems from the original design of the languages and can be adjusted via special parameters.



Object Oriented

Vectorized vs OOP

The fundamental underlying principles of the two languages are different: for R it's vectorization and for Python it's OOP. Very important to keep this distinction in mind when using either tool for Data Science. (More details in the course).

>> Click Here To Join Our Python And R Programming Courses <<