

Applied Statistics for Data Scientists with R

Class 04: Basic Programming Concepts

Learning Objective

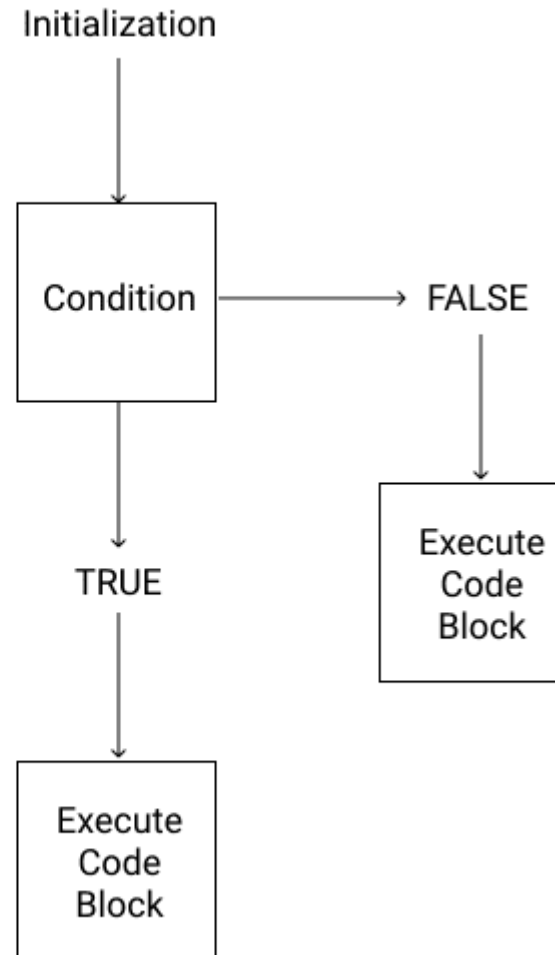
1. Conditional statements
2. Loops
3. Functions

- Simple one line expressions
- Multiple line expressions within curly brackets or separated by semi-colon

Conditional Statement: if-else

If-Else Statement

```
if (condition){  
    code block  
} else{  
    code block  
}
```

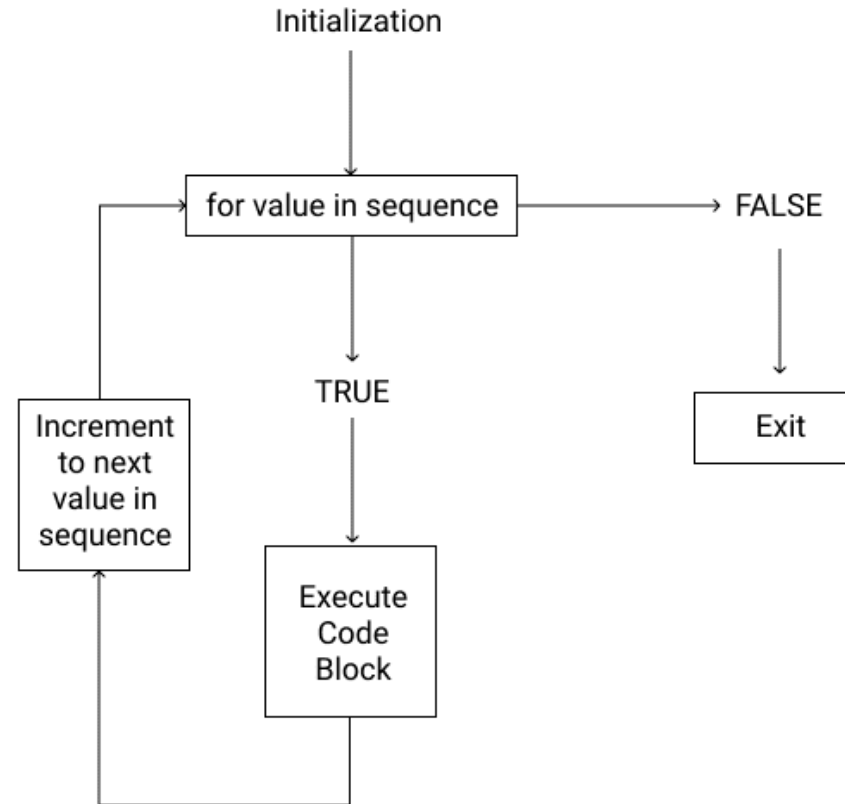


- Vectorized ifelse
- switch

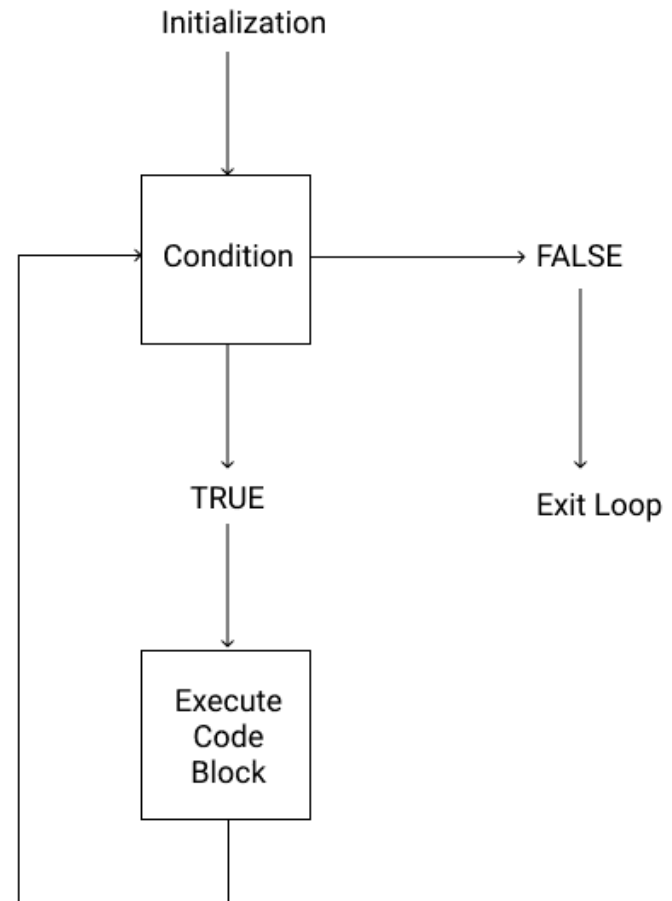
Loop – For Loop

For Loop

```
for (value in sequence){  
    code block  
}
```



While Loop



- apply
- tapply
- lapply
- sapply

