

## USER-DEFINED FUNCTIONS

---

### Introduction

---

This assignment would help to develop the ability to demonstrate manipulation of lists using user defined functions. The problem statement is to build a list named “family” which consists of four vectors named “surname”, “age”, “children\_count”, and “allergy”. Define a function which takes the list “family” as an argument. Finally, identify the total number of numeric elements in each vector to decide on the next step of analysis to be performed on numeric data.

### Objective

---

Demonstrate the ability to develop user-defined functions to analyze the elements of a list.

### Self-Assessment Questions

---

#### Steps involved:

- a) Create four vectors named “surname”(character), “age”(list), “children\_count”(numeric), and “allergy” (character)
- b) Create a list named “family” using the above four vectors, name each vector in the list (named list)
- c) Write a function that takes the list “family” as an argument
- d) Compute the total number of numeric elements, in each item of the list
- e) If it's a character vector return “NA”