



Project Brief: Introduction to R Programming

Project Deliverable

- Your deliverable will be an R markdown document that will contain your solution.
- You will need to submit the shareable link to your notebook.

Problem Statement

ShippingtoMali, a shipping company, provides shipping to Mali for items bought on Amazon at a rate of \$4 for the first item and \$2 for each subsequent item, with each of those items also subject to import 10% tax. During this time, they also have a \$10 discount for orders worth more than \$500.

Write an R program that prints out how much one would spend for both the purchase and shipping of the given items ('item 1', 'item 2', 'item 3', 'item 4', 'item 5', 'item 6', 'item 7') from the given data that is stored in the vectors or lists.

We can write two functions that will help provide a solution to this problem.

- One function will iterate over the price list/vector (120, 32, 99, 49, 99, 75, 30), applying the respective tax and appending the result to the `total_cost` list/vector.
- The other function will take the number of items in an order as its only parameter and then return the cost of shipping as the function's result. This function would only display the shipping charge.