

# **ACADGILD**

# SESSION 3: FOUNDATIONAL R PROGRAMMING

Assignment 3

## Data Analytics

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#### 1. Introduction

This assignment will help you understand the concepts learnt in the session.

### 2. Objective

This assignment will test your skills on Operations on Data Structures in R.

### 3. Prerequisites

Not applicable.

#### 4. Associated Data Files

Not applicable.

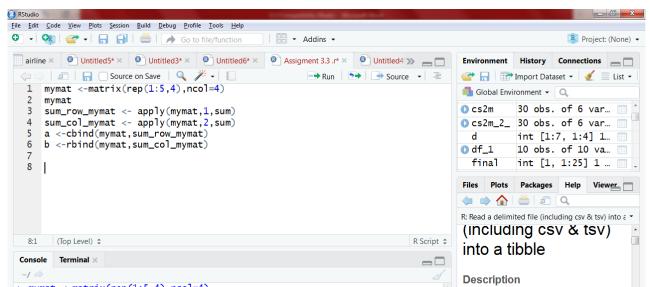
#### 5. Problem Statement

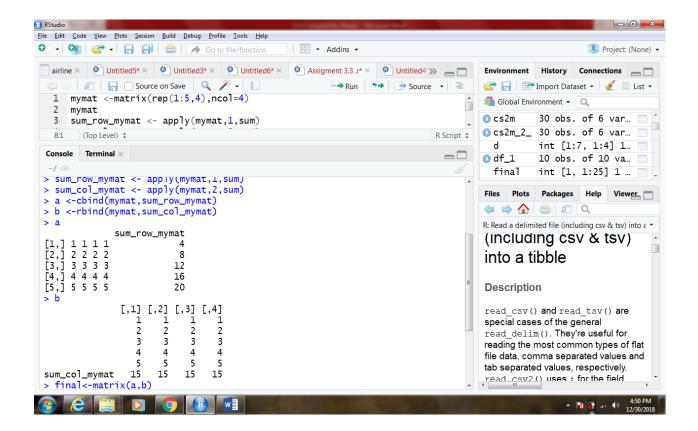
1. Define matrix mymat by replicating the sequence 1:5 for 4 times and transforming into a matrix, sum over rows and columns.

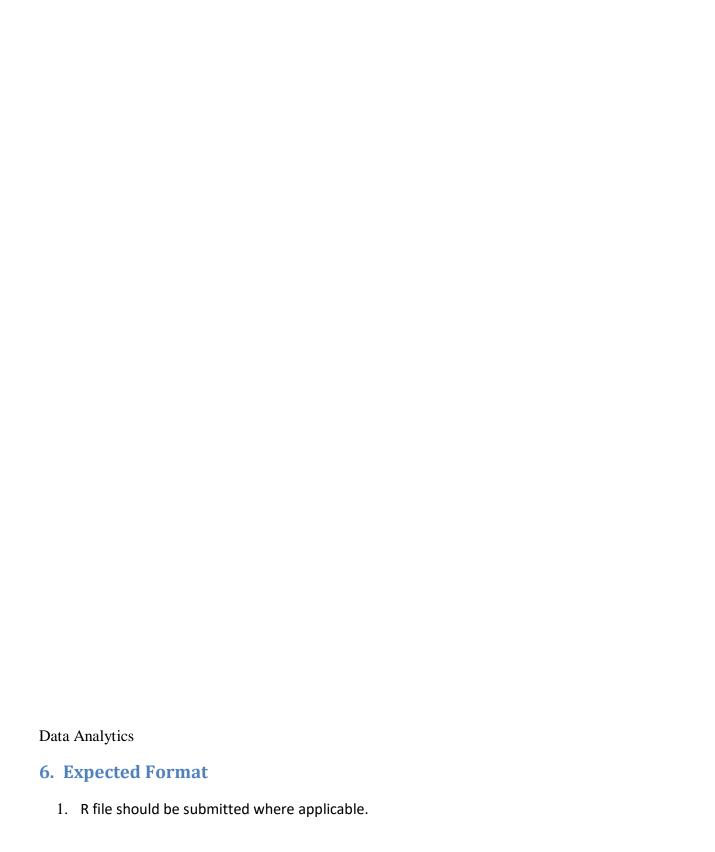
```
mymat <-matrix(rep(1:5,4),ncol=4)
mymat

sum_row_mymat <- apply(mymat,1,sum)
sum_col_mymat <- apply(mymat,2,sum)
a <-cbind(mymat,sum_row_mymat)
b <-rbind(mymat,sum_col_mymat)</pre>
```

r screen







- 2. R file should be in PDF or in .r format
- 3. Proper screenshots of the outputs should be submitted as well
- 4. The r codes, if submitted in any other format, will be subjected to deduction in marks

Note: Your solution will not be entertained if it is any other format, e.g., .zip, .doc, .rtf etc.

## **7. Approximate Time to Complete Task**

30 mins.