Download dataset for the examination and set the working directory.

1. Click to download dataset (<https://sitmbadept.github.io/BDTM>)
2. Create new folder with your name/USN on Desktop
3. Copy Paste Downloaded file in the folder created in Step#2
4. Unzip the downloaded file(Right click > Extract All)
5. Set Unzip folder as a project working directory in R Studio

Q1. Write R Code for creating numeric vector and display all vector elements [5]

11, 22, 33, 44, 55, 66, 77, 88, 99, 100

Q2. Write R Code for following statement. [5]

1. Read SPSS survey.sav file in R
2. Display the structure and dimension of data

Note: Download & load external packages to read SPSS file

install.packages("haven", dep=TRUE)

library(haven)

Q3. Read Marketing Spend (marketing-spend.csv) data, Perform simple linear regression and display summary of regression model in R.

Dataset contains 12 months of Monthly Spends & Sales details, whereas Spends & Month are independent variables and Sales is dependent variable.

[10]

Q4. Create SQL Statement for below tables [15]

|  |  |  |  |
| --- | --- | --- | --- |
| **usn** | **name** | **city** | **Degree** |
| 1 | John | USA | BTech |
| 2 | Dom | UK | BSc |
| 3 | Nick | USA | BCom |
| 4 | Sager | CHINA | BCA |
| 5 | Paul | UK | MTech |

1. Create above table in SQL using CREATE TABLE
2. Insert table records in SQL using INSERT INTO
3. Display all the records

Q5. Read Credit Card churn dataset and write R code for following statements. [15]

About Dataset:

Text, letter

Description automatically generated

Write R Code for following statements :

1. Read (BankChurners.csv) CSV file
2. Display the structure and dimension of data
3. Display top 6 records from the Dataset
4. Display bottom 6 records from the Dataset
5. Display quick summary of all the columns
6. Check how many customers are churned and existing customer in dataset
7. Look the customers by Marital status who has cancel their credit card
8. Display Unique Education\_Level for the customers Data