

Statistical Data Analytics with R

Term Work

Mid Term

For

MCA 1



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Graphic Era (Deemed to be University)

Prerequisite:

Basic Computer Functionality

Basic Programming Knowledge

Software Requirement: RGui for Beginners

RStudio for Advanced Level

NOTE: A Lab Record should be maintained separately by each student which should contain

- Cover Page
- Practical Record Book
- Certificate
- Index Page
- **Problem Statement:** The Question Given (typed)
- **Objective:** on completing the problem you shall be able to design or develop something you have to give the objective (typed)
- **Theory:** Definitions and elements used in command or script in brief (Typed)
- **Command or Script:** (Typed)
- **Output:** (Typed or screen shot)

TERM WORK QUESTIONS

1. Demonstrate Various Type of Command for Help in R.
2. Demonstrate Various Command for Packages in R.
3. How to Use R as a calculator and store the results in R.
4. Demonstrate the usage of variables, constants and built-in constants in R.
5. Demonstrate the usage of all the operators in R.
6. How to enter numerical and text items as data in R.
7. Demonstrate the usage of scan command.
8. How to show and set the default working directory in R.
9. Write a R script to take input from user for addition of two numbers.
10. Write a R script to input a number check if the number is positive or negative or zero.
11. Write a R script to check if the input number is odd or even.
12. Write a R script to find the multiplication table of inputted number.
13. Write a R script to find the factorial of a number without using factorial function.
14. Write a R script to check if the input number is prime or not.
15. Write a R script to check whether the number is palindrome or not.