

## SHETH L.U.J. AND SIR M.V. COLLEGE

## PRACTICAL NO 1

AIM:1. Generating descriptive statistics using `summary()` or `describe()` (R).

The screenshot shows the RStudio interface with the following details:

- Top Bar:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Source Editor:** Contains R code for reading a CSV file and printing its structure. The code includes handling of external problems and column types.
- Environment View:** Shows the global environment with objects like df, employee\_salary\_dataset, exams, etc., along with their sizes and variable counts.
- File Browser:** Displays a list of files in the current directory, including employee\_salary\_dataset.csv, exams.csv, flipkart\_com-e-commerce\_sample.csv, random\_stock\_market\_dataset.csv, student\_performance\_analysis.csv, and superstore.csv.
- Bottom Status Bar:** Shows system information like ENG IN, battery level, signal strength, and the date 15-11-2023.

The screenshot shows the RStudio interface with the following details:

- File menu:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Terminal tab:** Shows the R command history and output. The user has run several lines of R code related to dataset manipulation and column conversion.
- Environment pane:** Displays the global environment with various datasets loaded as objects (e.g., employee\_salary\_dataset, exams, flipkart\_com\_ecommerce\_sample, open\_df, prep\_df, random\_stock\_market\_datas, student\_performance\_analysis, superstore).
- Plots tab:** Not visible in the screenshot.
- Packages tab:** Not visible in the screenshot.
- Help tab:** Not visible in the screenshot.
- Viewer tab:** Not visible in the screenshot.
- Presentation tab:** Not visible in the screenshot.
- File menu:** New Folder, New File, Delete, Rename, More.
- File pane:** Shows the file structure with files like employee\_salary\_dataset.csv, exams.csv, flipkart\_com\_ecommerce\_sample.csv, random\_stock\_market\_dataset.csv, student\_performance\_analysis.csv, and superstore.csv.
- Source pane:** Shows the R code being run, including the creation of a new dataset `df` by combining `employee_salary_dataset` and `exams`.