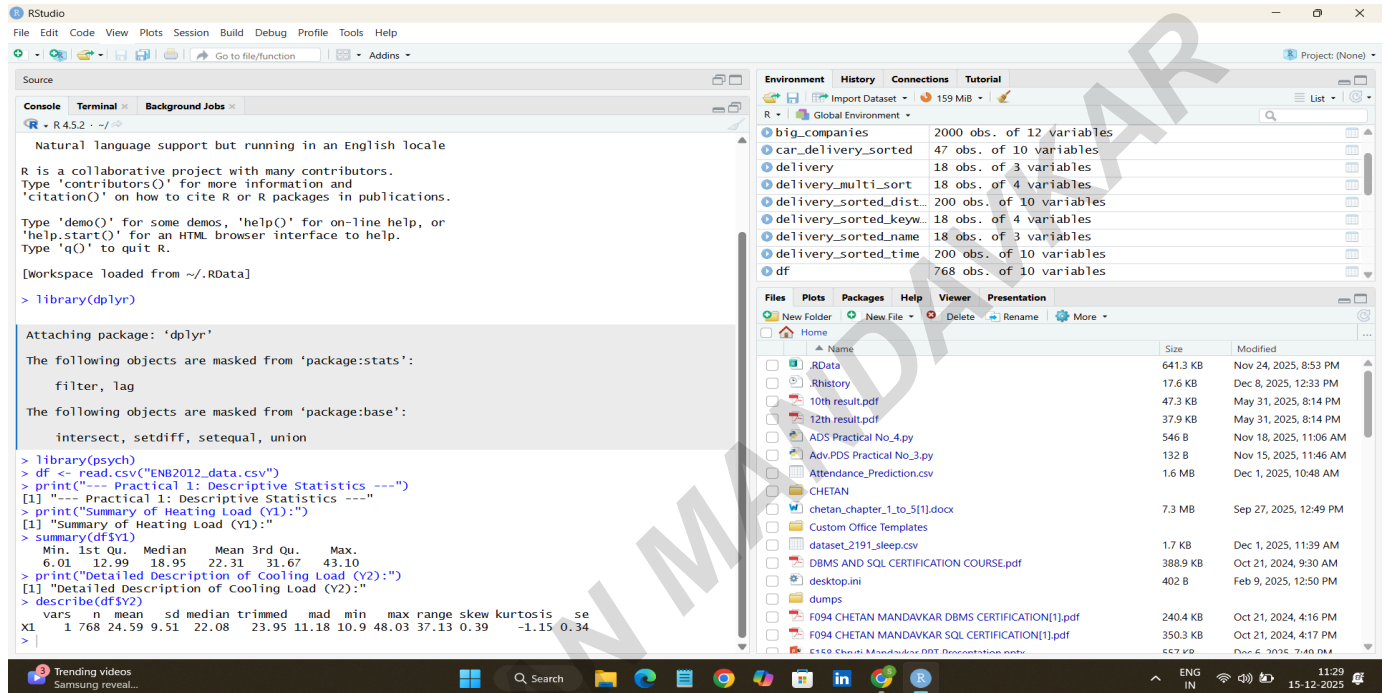


SHETH L.U.J. AND SIR M.V. COLLEGE

Aim:- Generating Descriptive Statistics Using Summary()
Or Describe () in R



The screenshot shows the RStudio environment with the following details:

- Source Pane:** Contains R code for loading data and generating descriptive statistics. The code includes comments in Hindi and English, and uses functions like `library(dplyr)`, `read.csv()`, `summary()`, and `describe()`.
- Console Pane:** Displays the output of the R code, including the R startup message, package loading status, and the results of `summary(df$Y1)` and `describe(df$Y2)`.
- Environment Pane:** Lists the objects in the global environment, including `big_companies`, `car_delivery_sorted`, `delivery`, `delivery_multi_sort`, `delivery_sorted_dist`, `delivery_sorted_keyw`, `delivery_sorted_name`, `delivery_sorted_time`, and `df`.
- Files Pane:** Shows the file explorer with various files and folders, including `RData`, `Rhistory`, `10th result.pdf`, `12th result.pdf`, `ADS Practical No.4.py`, `Adv.PDS Practical No.3.py`, `Attendance Prediction.csv`, `CHETAN`, `chetan_chapter_1_to_5[1].docx`, `Custom Office Templates`, `dataset_2191_sleep.csv`, `DBMS AND SQL CERTIFICATION COURSE.pdf`, `desktop.ini`, `dumps`, `F094 CHETAN MANDAVKAR DBMS CERTIFICATION[1].pdf`, `F094 CHETAN MANDAVKAR SQL CERTIFICATION[1].pdf`, and `E160 Chetani Mandavkar DBT Documentation.pdf`.

```
> library(dplyr)
Attaching package: 'dplyr'
The following objects are masked from 'package:stats':
  filter, lag
The following objects are masked from 'package:base':
  intersect, setdiff, setequal, union

> library(psych)
> df <- read.csv("ENB2012_data.csv")
> print("--- Practical 1: Descriptive Statistics ---")
[1] "--- Practical 1: Descriptive Statistics ---"
> print("Summary of Heating Load (Y1):")
[1] "Summary of Heating Load (Y1):"
> summary(df$Y1)
  Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
6.01  12.99   18.95   22.31   31.67   43.10
> print("Detailed Description of Cooling Load (Y2):")
[1] "Detailed Description of Cooling Load (Y2):"
> describe(df$Y2)
   vars    n mean  sd median trimmed  mad min  max range skew kurtosis   se
X1     1 768 24.59 9.51  22.08   23.95 11.18 10.9 48.03 37.13 0.39   -1.15 0.34
```

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ROLL NO. S093

SUBJECT:- Data Analysis With SAS / SPSS / R