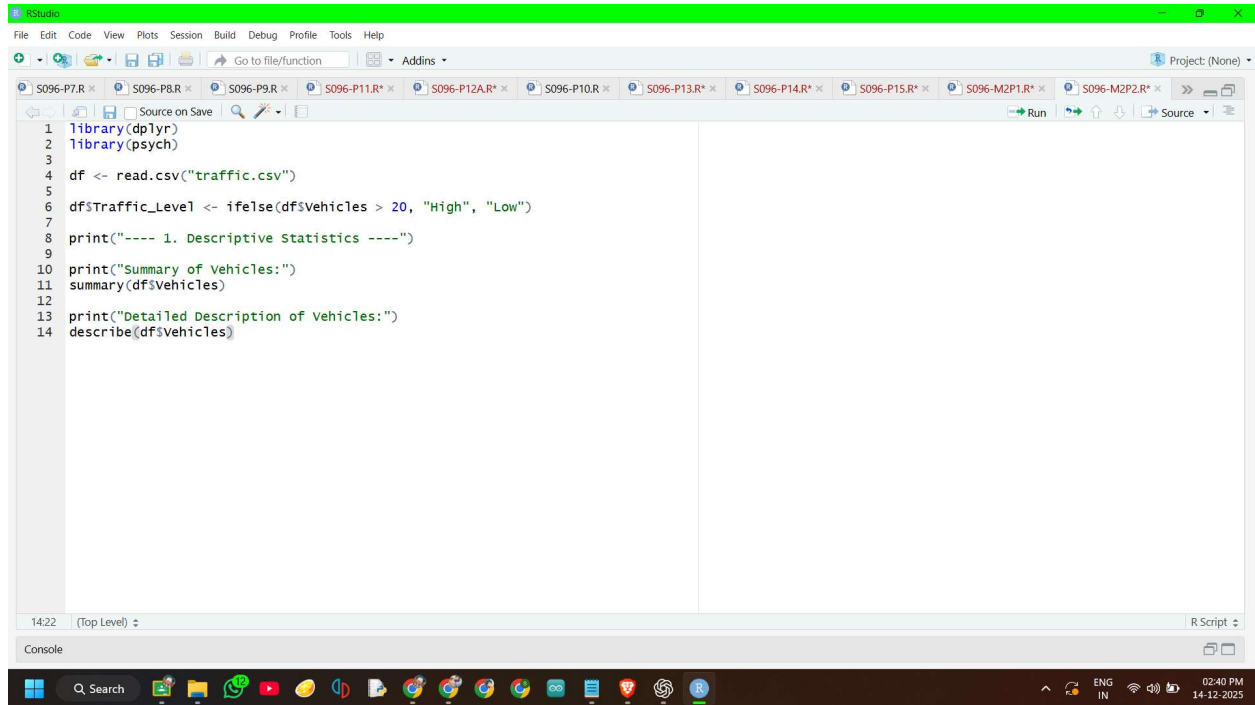


SHETH L.U.J. AND SIR M.V. COLLEGE

DATA ANALYSIS WITH R

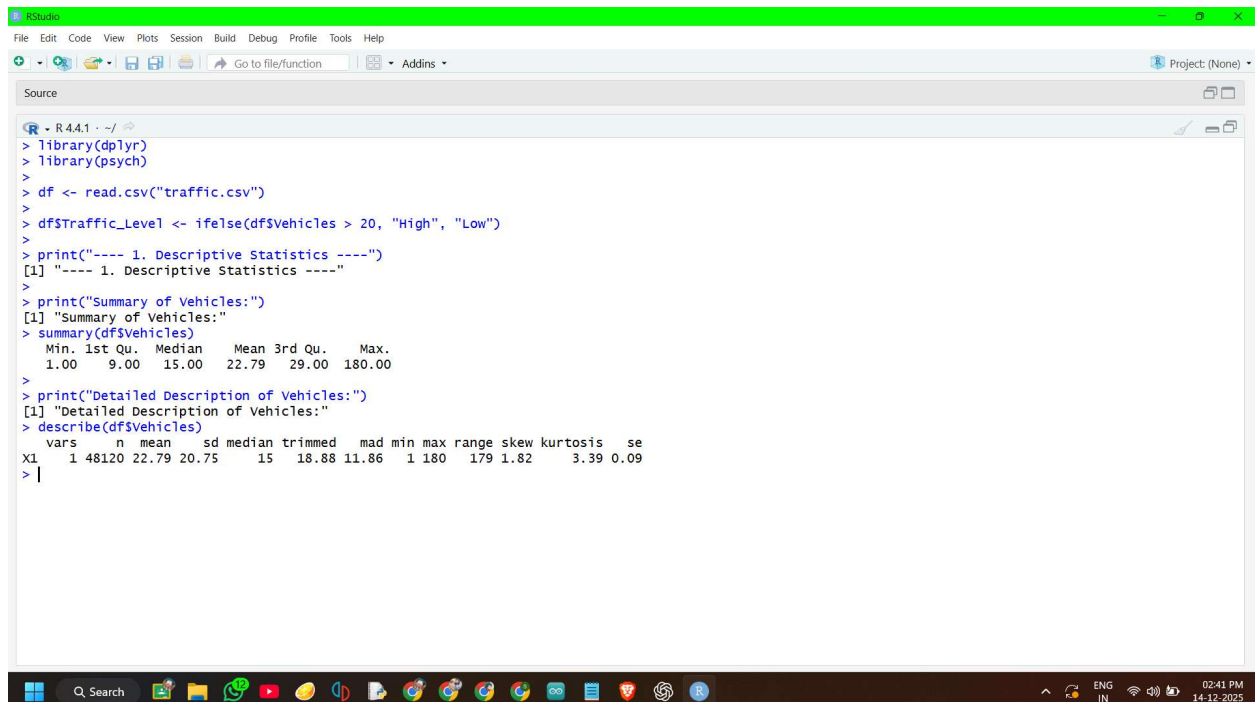
AIM: Generating descriptive statistics using summary() or describe()

CODE:



```
1 library(dplyr)
2 library(psych)
3
4 df <- read.csv("traffic.csv")
5
6 df$Traffic_Level <- ifelse(df$Vehicles > 20, "High", "Low")
7
8 print("---- 1. Descriptive Statistics ----")
9
10 print("Summary of Vehicles:")
11 summary(df$Vehicles)
12
13 print("Detailed Description of Vehicles:")
14 describe(df$Vehicles)
```

OUTPUT:



```
> library(dplyr)
> library(psych)
>
> df <- read.csv("traffic.csv")
>
> df$Traffic_Level <- ifelse(df$Vehicles > 20, "High", "Low")
>
> print("---- 1. Descriptive Statistics ----")
[1] "---- 1. Descriptive Statistics ----"
>
> print("Summary of Vehicles:")
[1] "Summary of Vehicles:"
> summary(df$Vehicles)
   Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
   1.00   9.00   15.00   22.79   29.00   180.00
>
> print("Detailed Description of Vehicles:")
[1] "Detailed Description of Vehicles:"
> describe(df$Vehicles)
  vars      n mean  sd median trimmed  mad min max range skew kurtosis   se
X1    1 48120 22.79 20.75    15  18.88 11.86    1 180  179  1.82    3.39 0.09
> |
```

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