

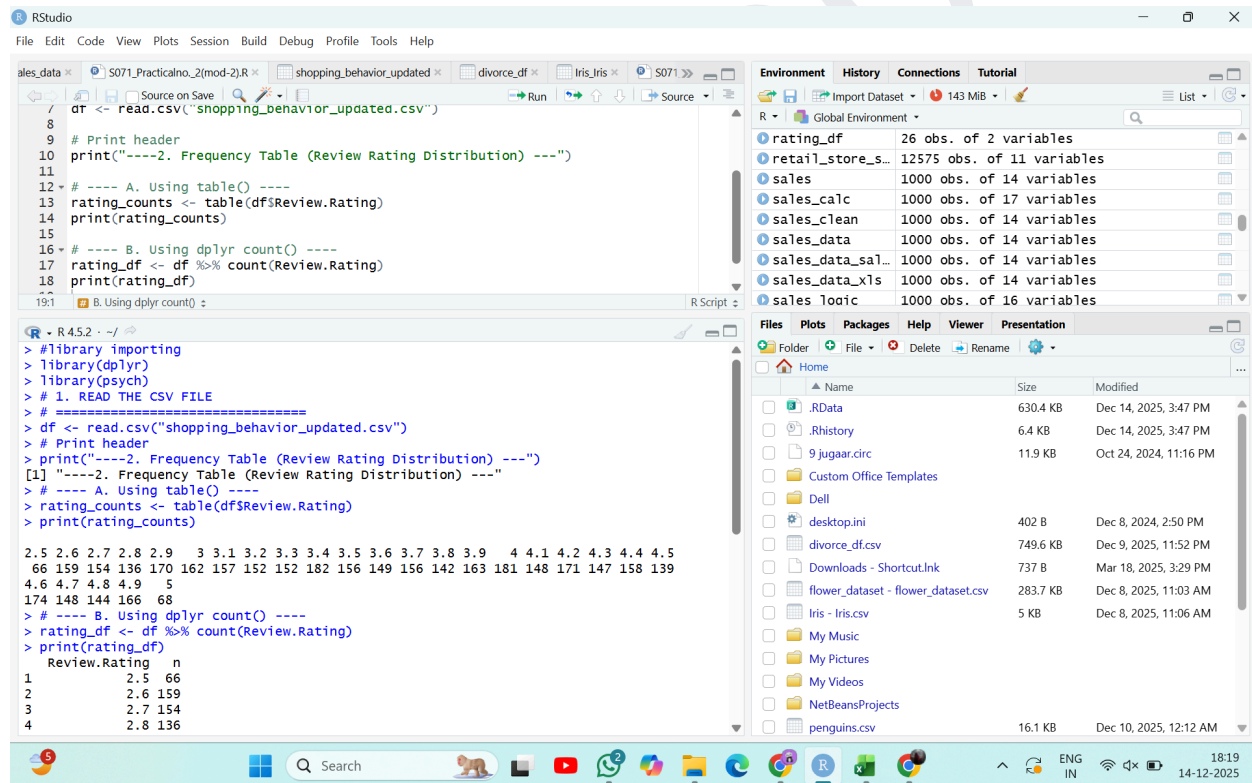
SHETH L.U.J AND SIR M.V COLLEGE

Subject: Data Analysis with SAS / SPSS /R

Practical no. 2

Aim: Generating frequency tables using table() or count() (R)

Outputs→



The screenshot displays the RStudio interface. The script editor on the left contains R code for reading a CSV file, printing a header, and generating frequency tables using both the base R `table()` function and the `dplyr` `count()` function. The console on the right shows the execution output, including the printed header, the frequency table generated by `table()`, and the frequency table generated by `dplyr::count()`.

```
R Script
1 # Read CSV file
2 df <- read.csv("shopping_behavior_updated.csv")
3
4 # Print header
5 print("----2. Frequency Table (Review Rating Distribution) ----")
6
7 # ---- A. Using table() ----
8 rating_counts <- table(df$Review.Rating)
9 print(rating_counts)
10
11 # ---- B. Using dplyr count() ----
12 rating_df <- df %>% count(Review.Rating)
13 print(rating_df)
```

```
R Console
> #library importing
> library(dplyr)
> library(psych)
> # 1. READ THE CSV FILE
> # =====
> df <- read.csv("shopping_behavior_updated.csv")
> # Print header
> print("----2. Frequency Table (Review Rating Distribution) ----")
[1] "----2. Frequency Table (Review Rating Distribution) ----"
> # ---- A. Using table() ----
> rating_counts <- table(df$Review.Rating)
> print(rating_counts)
2.5 2.6 2.7 2.8 2.9    3 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9    4 4.1 4.2 4.3 4.4 4.5
66 159 154 136 170 162 157 152 152 182 156 149 156 142 163 181 148 171 147 158 139
4.6 4.7 4.8 4.9    5
174 148 144 166    68
> # ---- B. Using dplyr count() ----
> rating_df <- df %>% count(Review.Rating)
> print(rating_df)
  Review.Rating    n
1           2.5    66
2           2.6   159
3           2.7   154
4           2.8   136
```

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

Subject: Data Analysis with SAS / SPSS /R

The screenshot displays the RStudio environment with the following components:

- Source Editor:** Contains R code for reading a CSV file and printing a frequency table of review ratings.
- Environment:** Lists loaded objects including `rating_df`, `retail_store_s...`, `sales`, `sales_calc`, `sales_clean`, `sales_data`, `sales_data_sal...`, `sales_data_xls`, and `sales_logic`.
- Files:** Shows the file explorer with various files and folders, including `.RData`, `.Rhistory`, `9 jugaar.circ`, `Custom Office Templates`, `Dell`, `desktop.ini`, `divorce_df.csv`, `Downloads - Shortcut.lnk`, `flower_dataset - flower_dataset.csv`, `Iris - Iris.csv`, `My Music`, `My Pictures`, `My Videos`, `NetBeansProjects`, and `penguins.csv`.
- Console:** Displays the output of the R code, showing a frequency table of review ratings.

```
7 # Source on Save
8 dt <- read.csv("shopping_behavior_updated.csv")
9 # Print header
10 print("----2. Frequency Table (Review Rating Distribution) ----")
11
12 # ---- A. Using table() ----
13 rating_counts <- table(df$Review.Rating)
14 print(rating_counts)
15
16 # ---- B. Using dplyr count() ----
17 rating_df <- df %>% count(Review.Rating)
18 print(rating_df)
```

Output of the R code (Console):

Review.Rating	count
2.7	154
2.8	136
2.9	170
3.0	162
3.1	157
3.2	152
3.3	152
3.4	182
3.5	156
3.6	149
3.7	156
3.8	142
3.9	163
4.0	181
4.1	148
4.2	171
4.3	147
4.4	158
4.5	139
4.6	174
4.7	148
4.8	144
4.9	166
5.0	68