

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

Subject: Data Analysis with SAS / SPSS /R

Practical no. 3

Aim:Creating cross-tabulations and two-way tables using table() (R)

Outputs→

The screenshot shows the RStudio interface with the following details:

- File Menu:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Code Editor:** Displays R code for creating cross-tabulations and two-way tables. The code includes importing libraries (dplyr, psych), reading a CSV file, and printing a cross-tabulation of education level vs divorced status.
- Environment View:** Shows the global environment with objects like `t_test_two`, `tidy_sales`, `volatile_days`, `avg_dist`, `avg_time`, and `cross_tab`.
- Files View:** Shows the file structure with folders like `Home`, `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`.
- System Tray:** Shows system icons for battery, signal, and date/time (14-12-2025, 18:15).

```
RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Iris_Iris < S071_Practicalno_3(mod-2).R < t_test_one < S071_Practicalno_5(mod-2).R < retail_store_sales >
Source On Save Run Source
7
8 print("<!-- 3. Cross-tabulation (education_level vs divorced) --")
9
10 cross_tab &lt;- table(df$education_level, df$divorced)
11
12 print(cross_tab)
13
14
13:1 (Top Level) &lt;
R &gt; R 4.5.2 · -/ 
&gt; # Library importing
&gt; library(dplyr)
&gt; library(psych)
&gt; # 1. READ THE CSV FILE
&gt; df &lt;- read.csv("divorce_df.csv")
&gt; print("<!-- 3. Cross-tabulation (education_level vs divorced) --")
[1] "-- 3. Cross-tabulation (education_level vs divorced) --"
&gt; cross_tab &lt;- table(df$education_level, df$divorced)
&gt; print(cross_tab)

          0   1
Bachelor      1267 802
High School    908 605
Master         561 402
No Formal Education 151  80
PhD            122 102
&gt; |</pre>
```