

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 displays the RStudio interface. The script editor on the left contains the following R code:

```
7 print("-- 3. Cross-tabulation (education_level vs divorced) --")
8
9 cross_tab <- table(df$education_level, df$divorced)
10
11 print(cross_tab)
12
13
14
```

The console on the right shows the execution of the code, resulting in the following cross-tabulation table:

```
[1] "-- 3. Cross-tabulation (education_level vs divorced) --"
[1] cross_tab <- table(df$education_level, df$divorced)
> print(cross_tab)
```

	0	1
Bachelor	1267	802
High School	908	605
Master	561	402
No Formal Education	151	80
PhD	122	102

The Environment pane on the right lists the objects in the global environment:

- sorted_by_volume: 122 obs. of 7 variables
- split_matrix: chr [1:1000, 1:2] "North" "West" "South" "Sou..."
- starts_with_d: 200 obs. of 3 variables
- tidy_sales: 1000 obs. of 15 variables
- volatile_days: 114 obs. of 7 variables

The Files pane on the right 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 pushpal.