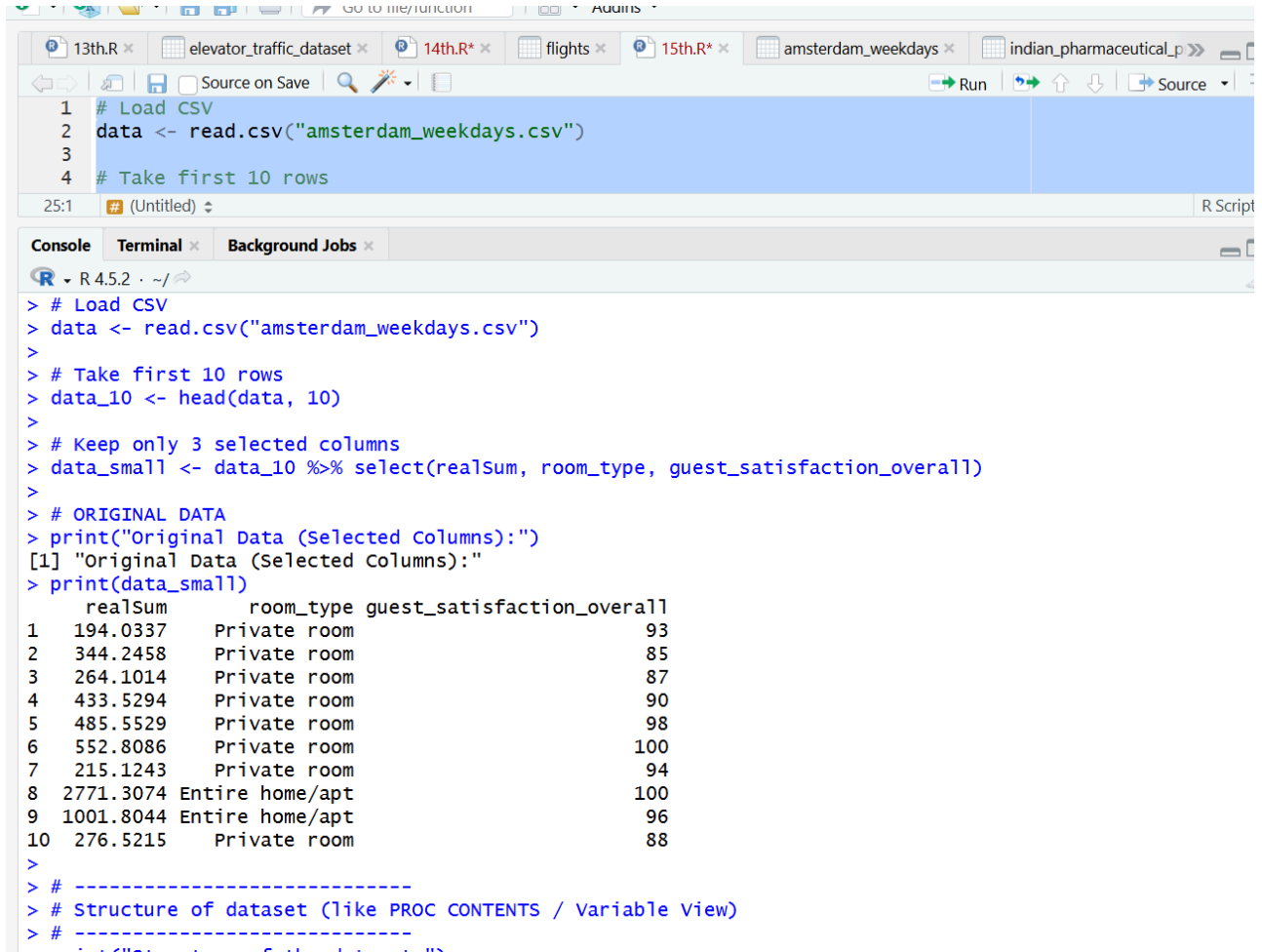# Sheth l.u.j. And sir m.v. college of arts science and commerce
Practical no.15th

Aim: 15Generating basic summaries using PROC CONTENTS (SAS), Variable View (SPSS), and str() or summary() (R).

Name: Simran S113

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| 13th.R × | elevator_traffic_dataset × | 14th.R* × | flights × | 15th.R* × | amsterdam_weekdays × | indian_pharmaceutical_p ›› |

Source on Save | Run | Source

```r
1  # Load CSV
2  data <- read.csv("amsterdam_weekdays.csv")
3
4  # Take first 10 rows
```

25:1   (Untitled) ÷   R Script ÷

Console   **Terminal** ×   **Background Jobs** ×

R · R 4.5.2 · ~/

```
9  1001.8044 Entire home/apt                 96
10  276.5215    Private room                  88
>
> # -----------------------------
> # Structure of dataset (like PROC CONTENTS / Variable View)
> # -----------------------------
> print("Structure of the dataset:")
[1] "Structure of the dataset:"
> str(data_small)
'data.frame':   10 obs. of  3 variables:
 $ realSum                    : num  194 344 264 434 486 ...
 $ room_type                  : chr  "Private room" "Private room" "Private room" "Private room" ...
 $ guest_satisfaction_overall: num  93 85 87 90 98 100 94 100 96 88
>
> # -----------------------------
> # Summary statistics (like PROC SUMMARY / DESCRIPTIVES)
> # -----------------------------
> print("Summary statistics of the dataset:")
[1] "Summary statistics of the dataset:"
> summary(data_small)
    realSum          room_type          guest_satisfaction_overall
 Min.   : 194.0   Length:10           Min.   : 85.0
 1st Qu.: 267.2   Class :character    1st Qu.: 88.5
 Median : 388.9   Mode  :character    Median : 93.5
 Mean   : 653.9                       Mean   : 93.1
 3rd Qu.: 536.0                       3rd Qu.: 97.5
 Max.   :2771.3                       Max.   :100.0
>
```

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