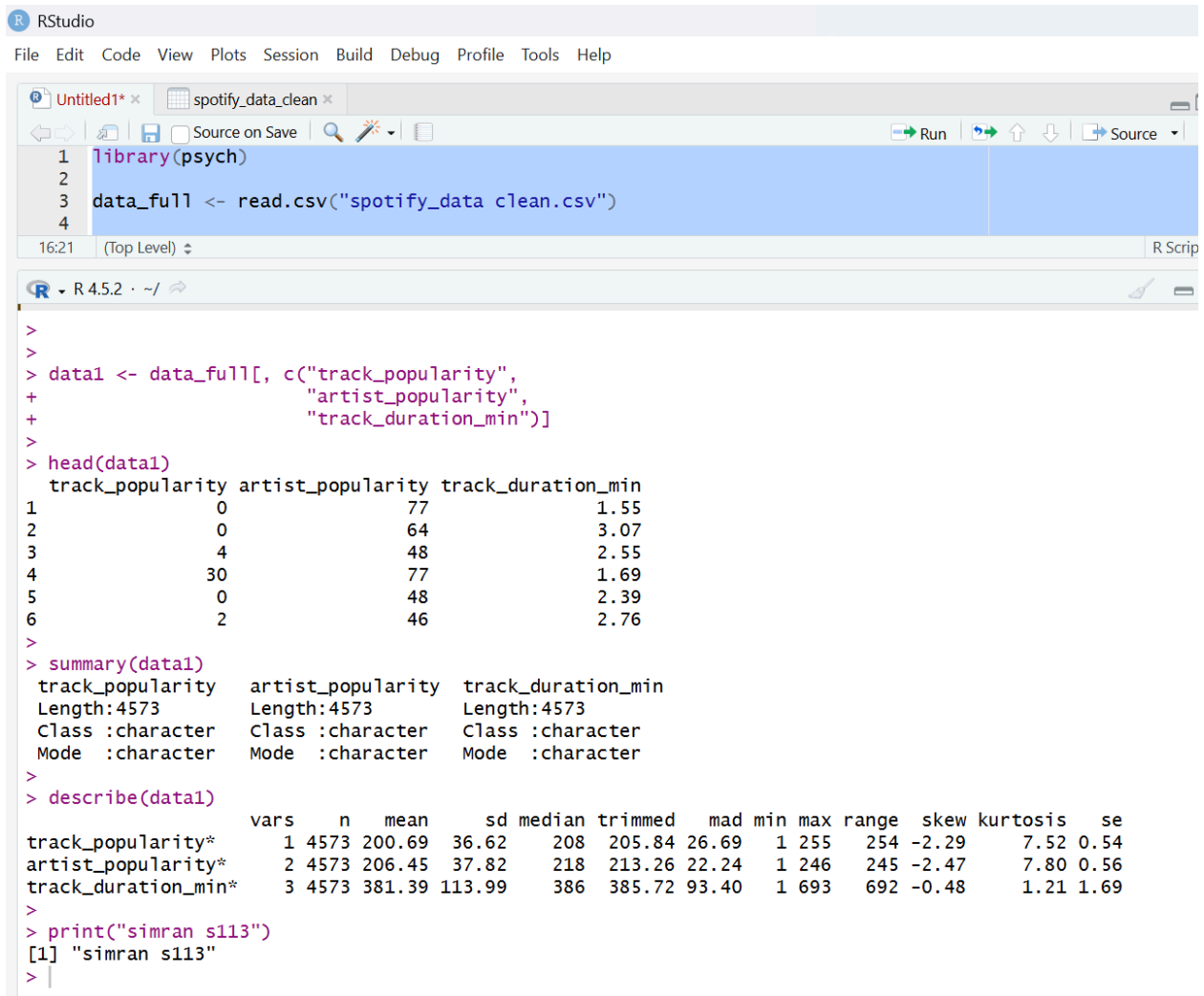


Sheth I.u.j. And sir m.v. college of arts science and commerce

Practical no. 1 mod2

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



The screenshot shows the RStudio environment. The top pane displays the source code for a script named 'spotify_data_clean'. The code includes loading the 'psych' library, reading a CSV file, and creating a data frame 'data1' with selected columns. The bottom pane shows the console output, which includes the head of the data frame, a summary of its structure, and a detailed descriptive statistics table generated by the 'describe()' function. The table lists statistics for three variables: track_popularity, artist_popularity, and track_duration_min.

```
1 library(psych)
2
3 data_full <- read.csv("spotify_data_clean.csv")
4
```

```
>
>
> data1 <- data_full[, c("track_popularity",
+                        "artist_popularity",
+                        "track_duration_min")]
>
> head(data1)
  track_popularity artist_popularity track_duration_min
1                0                77                1.55
2                0                64                3.07
3                4                48                2.55
4               30                77                1.69
5                0                48                2.39
6                2                46                2.76
>
> summary(data1)
 track_popularity   artist_popularity   track_duration_min
Length:4573      Length:4573      Length:4573
Class :character  Class :character  Class :character
Mode :character   Mode :character   Mode :character
>
> describe(data1)
      vars      n  mean      sd median trimmed  mad min max range  skew kurtosis   se
track_popularity*  1 4573 200.69 36.62   208   205.84 26.69   1 255   254 -2.29    7.52 0.54
artist_popularity*  2 4573 206.45 37.82   218   213.26 22.24   1 246   245 -2.47    7.80 0.56
track_duration_min* 3 4573 381.39 113.99   386   385.72 93.40   1 693   692 -0.48    1.21 1.69
>
> print("simran s113")
[1] "simran s113"
>
```

Name: Simran s113