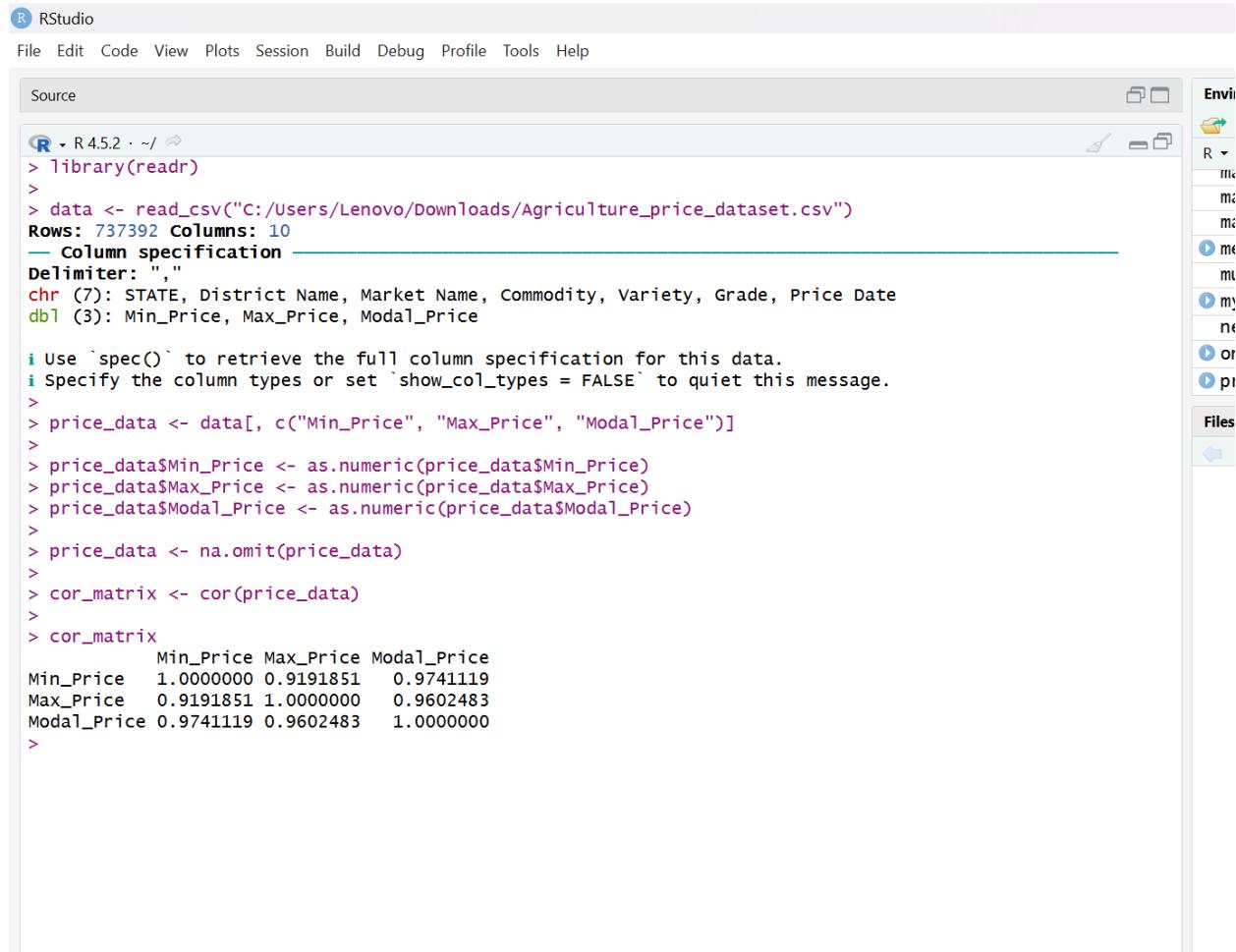


Sheth I.u.j. And sir m.v. college of arts science and commerce

Practical no. mod 2 12th

Aim: Generating correlation matrices using cor() (R).



The screenshot shows the RStudio interface with the following details:

- File Menu:** File Edit Code View Plots Session Build Debug Profile Tools Help
- Source Editor:** Shows R code for reading a CSV file and calculating a correlation matrix.
- Environment View:** Shows the current environment with variables like R, me, m2, m3, my, ne, or, and pi.
- Files View:** Shows a list of files including 'Agriculture_price_dataset.csv'.

```
R - R 4.5.2 · ~/ 
> library(readr)
>
> data <- read_csv("C:/Users/Lenovo/Downloads/Agriculture_price_dataset.csv")
Rows: 737392 Columns: 10
--- Column specification ---
Delimiter: ","
chr (7): STATE, District Name, Market Name, Commodity, Variety, Grade, Price Date
dbl (3): Min_Price, Max_Price, Modal_Price

i Use `spec()` to retrieve the full column specification for this data.
i Specify the column types or set `show_col_types = FALSE` to quiet this message.
>
> price_data <- data[, c("Min_Price", "Max_Price", "Modal_Price")]
>
> price_data$Min_Price <- as.numeric(price_data$Min_Price)
> price_data$Max_Price <- as.numeric(price_data$Max_Price)
> price_data$Modal_Price <- as.numeric(price_data$Modal_Price)
>
> price_data <- na.omit(price_data)
>
> cor_matrix <- cor(price_data)
>
> cor_matrix
      Min_Price Max_Price Modal_Price
Min_Price 1.0000000 0.9191851 0.9741119
Max_Price 0.9191851 1.0000000 0.9602483
Modal_Price 0.9741119 0.9602483 1.0000000
>
```

Name: Simran s113