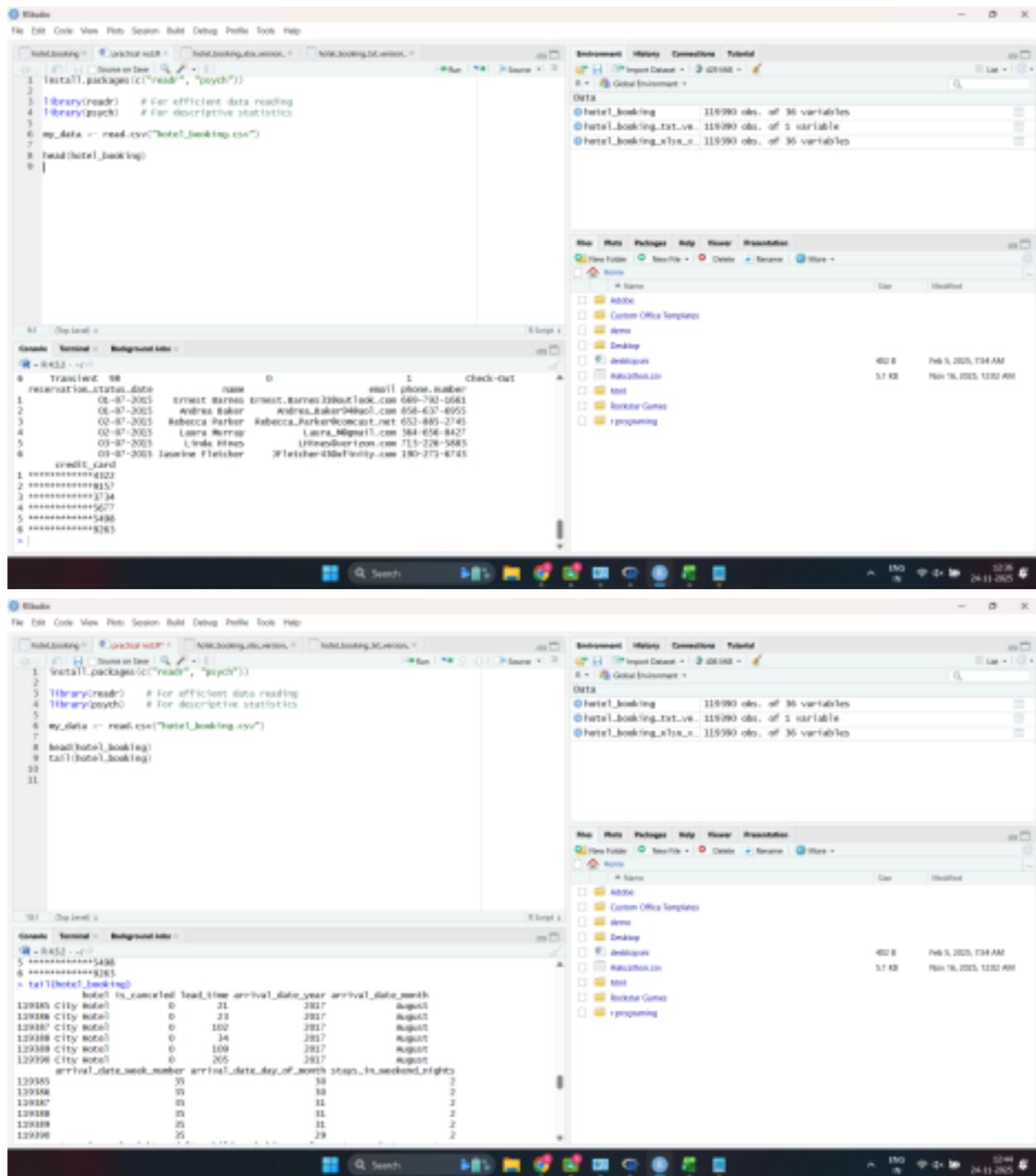


**SHETH L.U.J SIR M.V COLLEGE
PRACTICAL NO3**

AIM:Exploring data: View() or print() ®



SHETH L.U.J SIR M.V COLLEGE PRACTICAL NO3

The screenshot shows the RStudio interface. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help. The left sidebar has tabs for HotelBooking, practical_RHPC, NoteBooking_differences, and HotelBooking_MCHarrison. The main workspace shows R code for reading a CSV file and printing its dimensions. The Environment tab lists objects: hotel_booking (119999 obs. of 36 variables), hotel_booking.txt.vi (119999 obs. of 1 variable), and hotel_booking.xlsx.vi (119999 obs. of 36 variables). The bottom right shows a file browser with a tree view of files and folders, including Home, Desktop, and Downloads.

```
1 #install.packages("readr", "psych")
2 library(readr) # for efficient data reading
3 library(psych) # for descriptive statistics
4
5 my_data <- read.csv("HotelBooking.csv")
6
7 head(hotel_booking)
8 tail(hotel_booking)
9 dim(hotel_booking)
10 cat("dimensions (row, column): ", dim(hotel_booking), "\n")
11
12
```

```
[1] "119999" "36"
```

```
[1] "Mary Williams" "Mary_Williams@hotels.com" "191-111-1234"
[2] "07-09-2017" "CentraLine Callcenter" "88-CentraLine@centra.net" "131-318-1017"
[3] "07-09-2017" "Arlana Michael" "Arlana_Michael@city.com" "422-894-8483"
[4] "creditCard"
```

```
[1] "129380" "*****73986"
[2] "129380" "*****18647"
[3] "129380" "*****14313"
[4] "129380" "*****1801"
[5] "129380" "*****7380"
[6] "129380" "*****4482"
[7]
```

```
[1] "dim(hotel_booking)"
```

```
[1] 119999 36
```

```
[1] "cat(dim(hotel_booking, 1), dim(hotel_booking), "\n")"
```

```
[1] "dim(hotel_booking, 1): 119999"
```

```
[1] "cat(dim(my_data, 1), dim(my_data), "\n")"
```

```
[1] "dim(my_data, 1): 119999"
```

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The screenshot shows the RStudio interface. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help. The left sidebar has tabs for HotelBooking, Practical RDBP, NoteBooking_transactions, and NoteBooking_Schemas. The main area displays R code for reading a CSV file and summarizing data:

```
1 hotelBooking <- read.csv("hotel_booking.csv")
2
3 head(hotelBooking)
4 tail(hotelBooking)
5 dim(hotelBooking)
6 cat("Number of Rows, Columns: ", dim(hotelBooking), "\n")
7 str(hotelBooking)
8 summary(hotelBooking)
9 names(hotelBooking)
10 cat("Column Name: ", names(hotelBooking), "\n")
11
12 # (Up to here)
```

The Environment browser on the right lists variables:

- Environment
- History
- Connections
- Tutorial

Data browser:

- hotel_book1: 130998 obs. of 98 variables
- hotel_book1: 130998 obs. of 1 variable
- hotel_book1: 130998 obs. of 98 variables

File browser at the bottom:

- File
- Edit
- Package
- Help
- View
- Presentation

File list:

- Home
- + Name Date Modified
- Add...
- Custom Office Templates
- demo
- Desktop
- desktop.Rproj 402 B Nov 16, 2020, 7
- HotelBooking.R 3,148 Nov 16, 2020,
- MyR
- Rockstar Games
- r-programming

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