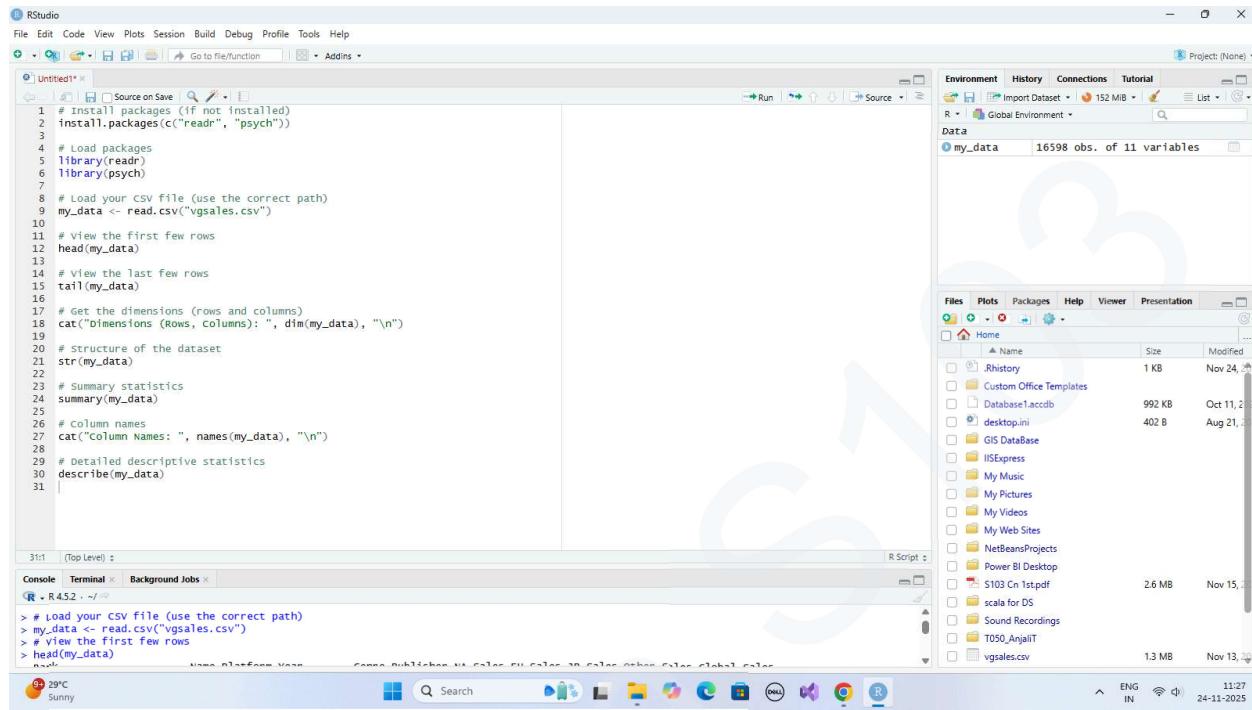


SHETH L.U.J. AND SIR M.V. COLLEGE

SUBJECT:Data Analysis with R

Aim: Exploring data: View() or print() (R).

Input



```

 1 # Install packages (if not installed)
 2 install.packages(c("readr", "psych"))

 4 # Load packages
 5 library(readr)
 6 library(psych)

 8 # Load your CSV file (use the correct path)
 9 my_data <- read.csv("vgsales.csv")
10

11 # View the first few rows
12 head(my_data)
13

14 # View the last few rows
15 tail(my_data)
16

17 # Get the dimensions (rows and columns)
18 cat("Dimensions (Rows, columns): ", dim(my_data), "\n")
19

20 # Structure of the dataset
21 str(my_data)
22

23 # Summary statistics
24 summary(my_data)
25

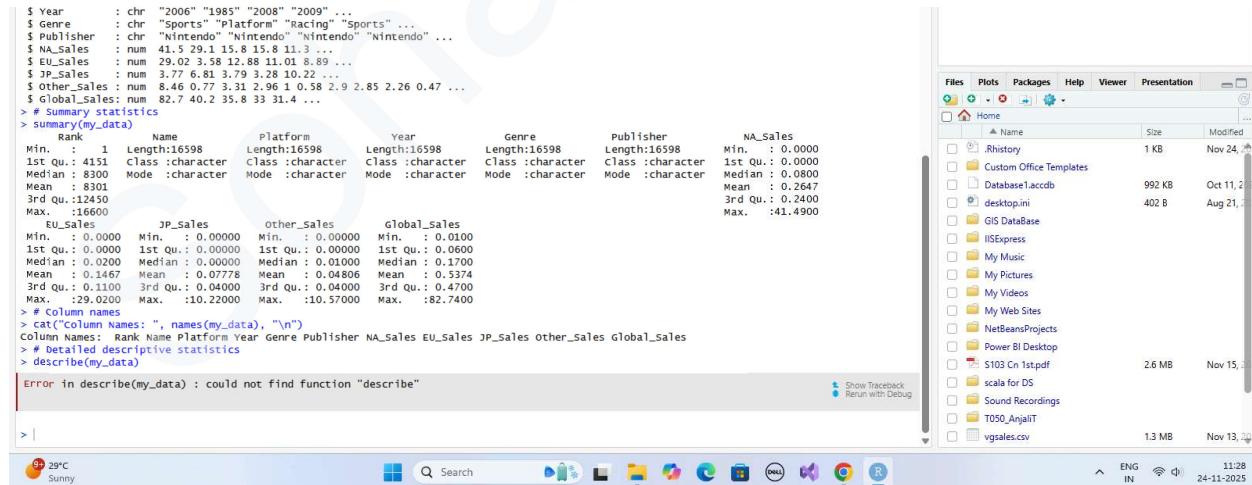
26 # Column names
27 cat("Column names: ", names(my_data), "\n")
28

29 # Detailed descriptive statistics
30 describe(my_data)
31

```

R Studio interface showing the code in the script pane, the environment pane with the dataset 'my_data' containing 16598 observations and 11 variables, and the file browser pane showing various files including 'vgsales.csv'.

Output



```

$ Year          : chr "2006" "1985" "2008" "2009" ...
$ escore        : chr "Metacritic's platform" "Racing" "Sports" ...
$ Publisher    : chr "Nintendo" "Nintendo" "Nintendo" ...
$ NA_Sales      : num 41.5 29.1 15.8 15.1 11.3 ...
$ EU_Sales      : num 29.02 3.58 12.88 11.01 8.89 ...
$ JP_Sales      : num 3.77 6.81 3.79 3.28 10.22 ...
$ other_sales   : num 8.44 0.77 3.31 2.96 1.058 2.9 2.85 2.26 0.47 ...
$ Global_Sales : num 82.7 40.2 35.8 33.3 31.4 ...
> # Summary statistics
> summary(my_data)
   Rank           Name          Platform       Year        Genres      Publisher     NA_Sales
Min.   : 1      Length:16598   Length:16598   Length:16598   Length:16598   Min.   : 0.0000
1st Qu.: 4151   Class :character  Class :character  Class :character  Class :character  1st Qu.: 0.0000
Median : 8300   Mode  :character  Mode  :character  Mode  :character  Mode  :character  Median : 0.0800
Mean   : 8301   Mean   : 0.2647
3rd Qu.: 12450  Mean   : 0.2400
Max.  :16600   Max.  :41.4900

EU_Sales      JP_Sales      other_sales   Global_Sales
Min.   : 0.0000  Min.   : 0.0000  Min.   : 0.0000  Min.   : 0.0100
1st Qu.: 0.0000  1st Qu.: 0.0000  1st Qu.: 0.0000  1st Qu.: 0.0000
Median : 0.0200  Median : 0.0000  Median : 0.0100  Median : 0.1700
Mean   : 0.1467  Mean   : 0.07778  Mean   : 0.04806  Mean   : 0.5374
3rd Qu.: 0.1100  3rd Qu.: 0.04000  3rd Qu.: 0.04000  3rd Qu.: 0.4700
Max.  :29.0200  Max.  :10.22000  Max.  :10.57000  Max.  :82.7400
> # Column names
> cat("Column Names: ", names(my_data), "\n")
Column Names: Rank Name Platform Year Genres Publisher NA_Sales EU_Sales JP_Sales Other_Sales Global_Sales
> # Detailed descriptive statistics
> describe(my_data)
Error in describe(my_data) : could not find function "describe"
> |
```

R Studio interface showing the output of the R code, displaying summary statistics for the vgsales dataset. The output shows various statistical measures for each column, such as mean, median, and standard deviation. The file browser pane shows the same files as the input screenshot.

SHETH L.U.J. AND SIR M.V. COLLEGE

SUBJECT:Data Analysis with R

Column names: Rank Name Platform Year Genre Publisher NA_Sales EU_Sales JP_Sales Other_Sales Global_Sales

```
> describe(my_data)
#> #> vars   n    mean     sd median trimmed   mad   min   max range skew kurtosis    se
#> Rank      1 16598 8300.61 4791.85 8300.50 8300.56 6152.05 1.00 16600.00 16599.00 0.00 -1.20 37.19
#> Name*     2 16598 5795.87 3324.01 5864.50 5810.23 4270.63 1.00 11493.00 11492.00 -0.03 -1.21 25.80
#> Platform* 3 16598 16.71 8.29 17.00 16.67 10.38 1.00 31.00 30.00 -0.05 -1.00 0.06
#> Year*     4 16598 27.61 6.00 28.00 28.00 5.93 1.00 40.00 39.00 -0.86 1.68 0.05
#> Genre*    5 16598 5.93 3.76 6.00 5.86 5.93 1.00 12.00 11.00 0.07 -1.43 0.03
#> Publisher* 6 16598 299.40 181.98 329.00 303.97 272.80 1.00 579.00 578.00 -0.15 -1.40 1.41
#> NA_Sales   7 16598 0.26 0.82 0.08 0.13 0.12 0.00 41.49 41.49 18.80 648.86 0.01
#> EU_Sales   8 16598 0.15 0.51 0.02 0.06 0.03 0.00 29.02 29.02 18.87 755.71 0.00
#> JP_Sales   9 16598 0.08 0.31 0.00 0.02 0.00 0.00 10.22 10.22 11.20 194.15 0.00
#> Other_Sales 10 16598 0.05 0.19 0.01 0.02 0.01 0.00 10.57 10.57 24.23 1024.92 0.00
#> Global_Sales 11 16598 0.54 1.56 0.17 0.27 0.21 0.01 82.74 82.73 17.40 603.68 0.01
#> |
```

The screenshot shows a Windows desktop environment. In the foreground, there's a RStudio window with the code and data frame displayed. Behind it, a File Explorer window shows a folder structure with various files and folders like 'NetbeansProjects', 'Power BI Desktop', and 'loan_approval.csv'. The taskbar at the bottom includes icons for the Start button, Search, Task View, File Explorer, File Manager, Task Scheduler, Taskbar Icons, Dell, and R. System tray icons show the date (Nov 15, 2025), time (8:31 AM), language (ENG IN), battery level (12:21), and system status (24-11-2025).