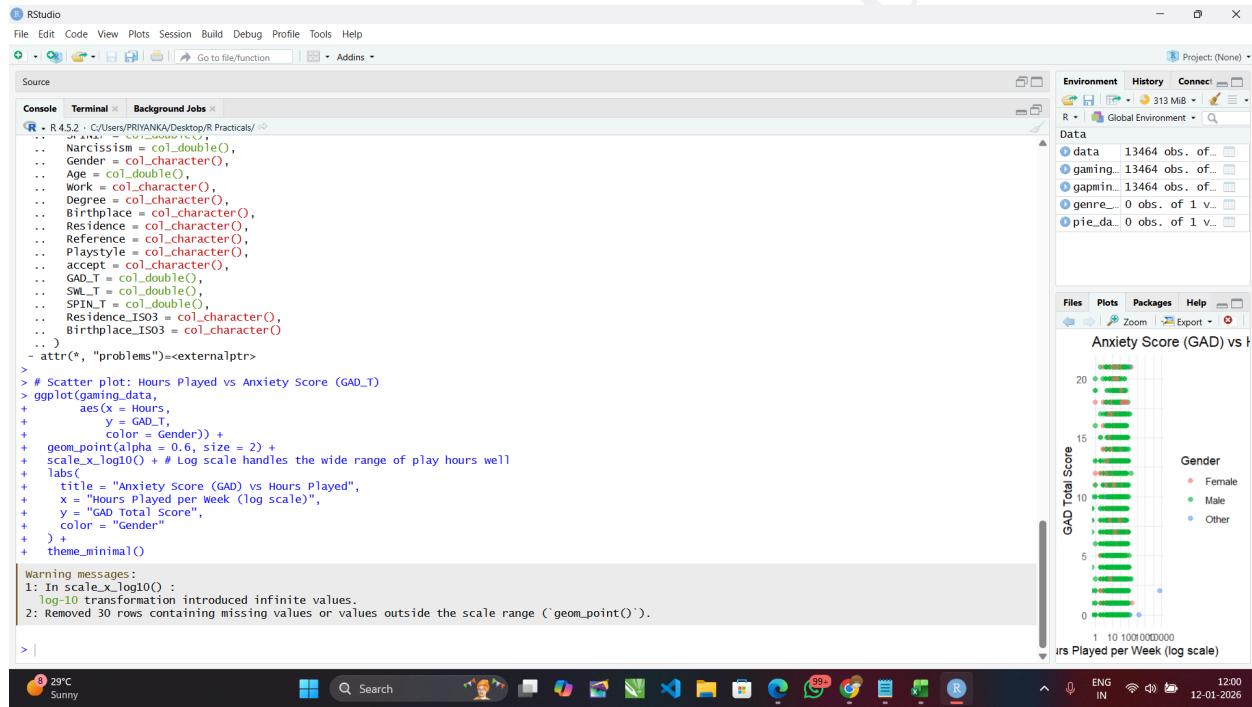


**SHETH L.U.J AND SIR M.V. COLLEGE**  
**SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R**

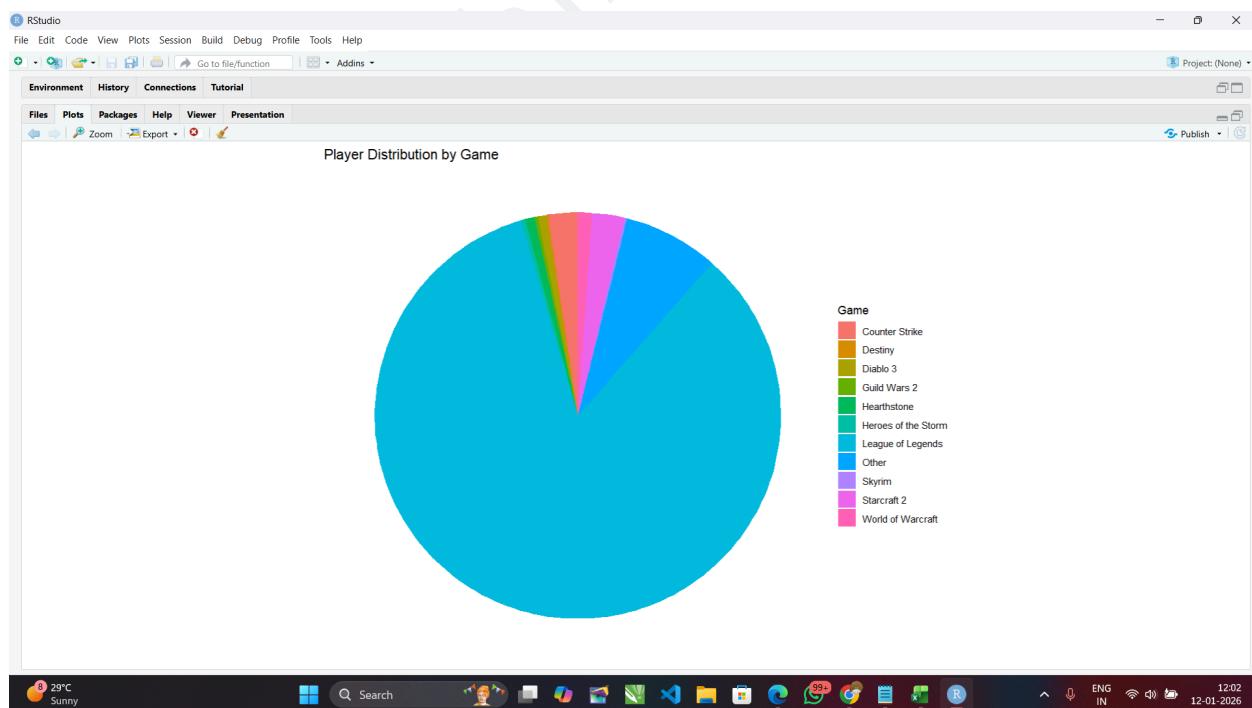
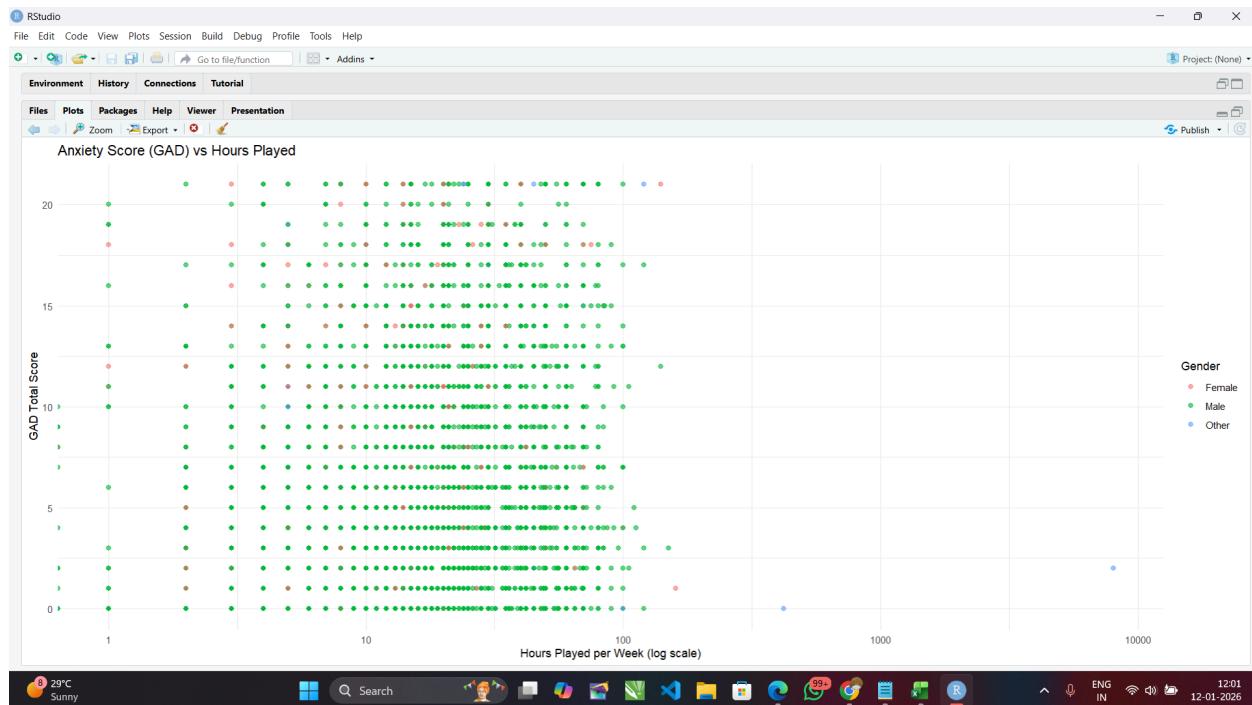
## Module 2 Practical 10-12

**Aim:** Creating graphical reports using ,ggplot2 (R)

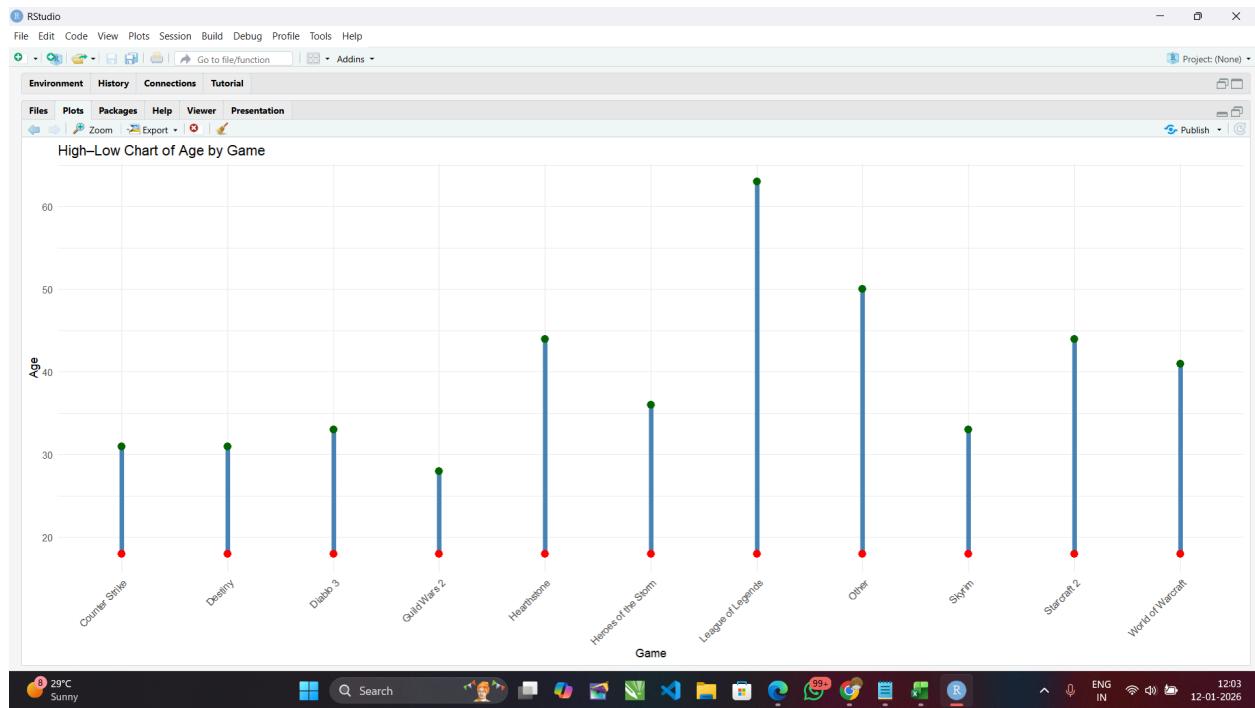
### OUTPUT:



**SHETH L.U.J AND SIR M.V. COLLEGE**  
**SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R**



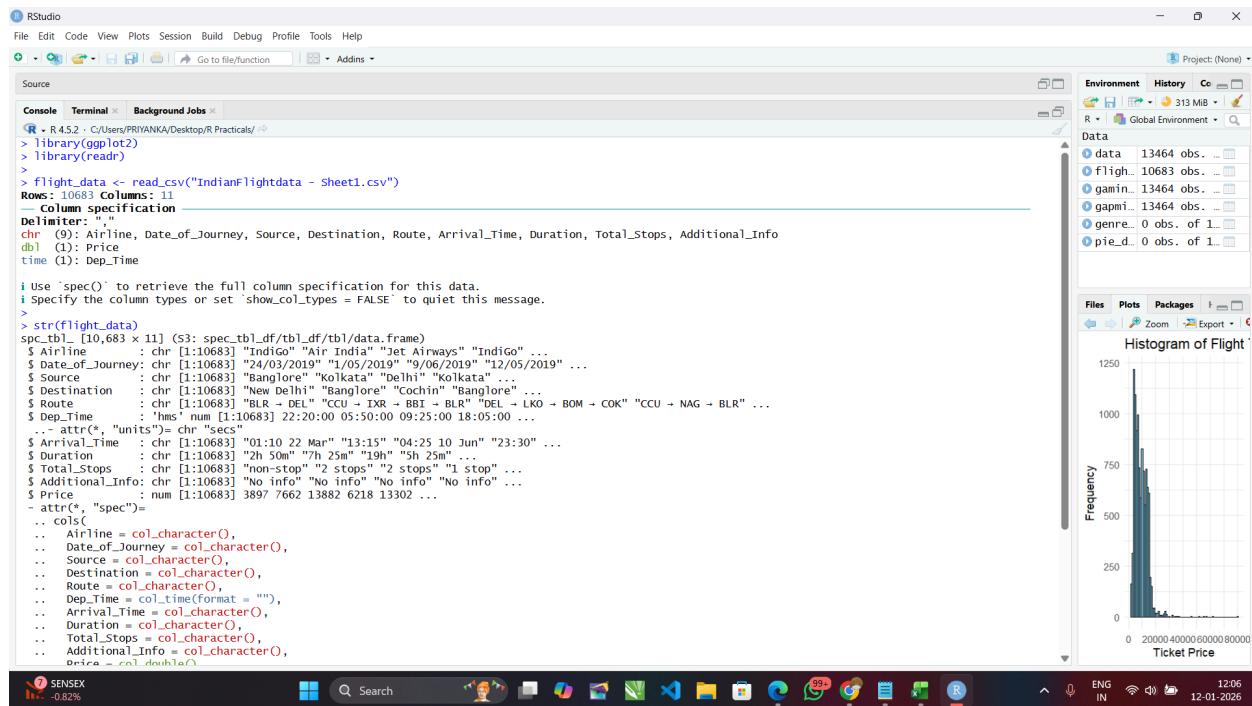
**SHETH L.U.J AND SIR M.V. COLLEGE**  
**SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R**



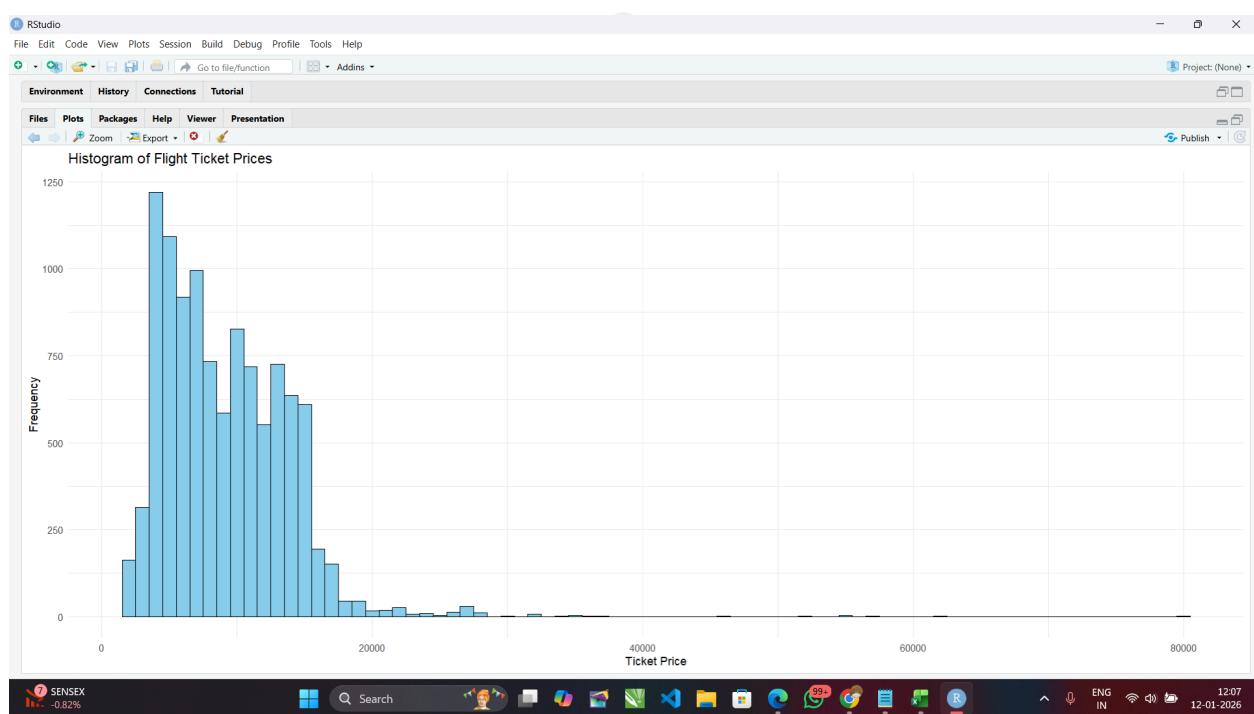
**SHETH L.U.J AND SIR M.V. COLLEGE**  
**SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R**

**Aim:** Generating histograms and box plots using ggplot2 (R).

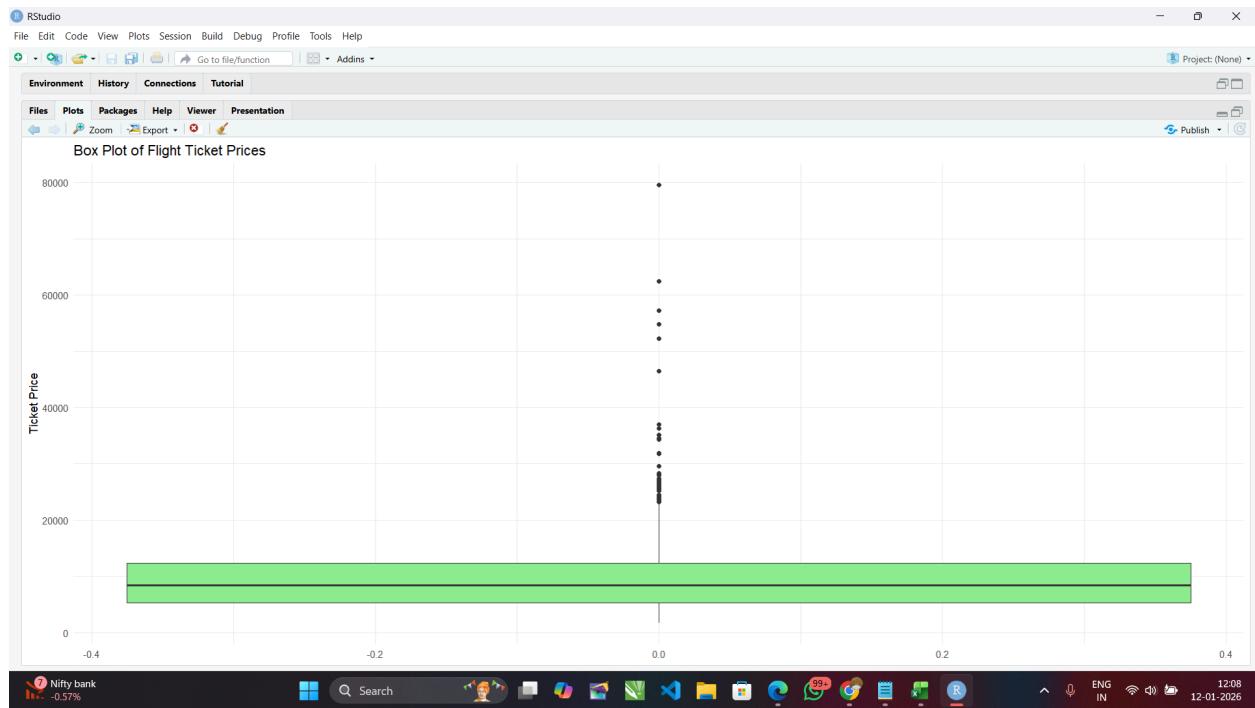
**OUTPUT:**



**SHETH L.U.J AND SIR M.V. COLLEGE**  
**SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R**



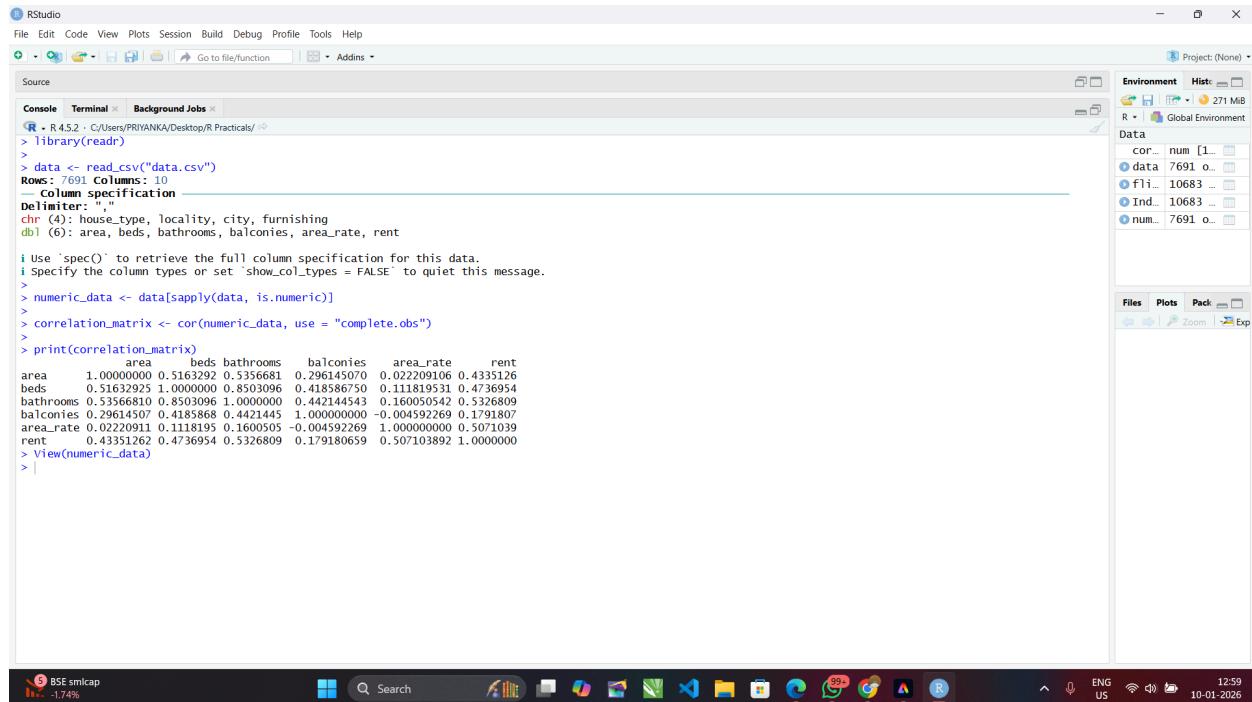
**SHETH L.U.J AND SIR M.V. COLLEGE**  
**SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R**



**SHETH L.U.J AND SIR M.V. COLLEGE**  
**SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R**

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

**OUTPUT:**



The screenshot shows the RStudio interface with the following details:

- Console Tab:** Displays R code and its execution results. The code reads a CSV file named "data.csv" and calculates a correlation matrix for the numeric columns.
- Data View:** Shows the correlation matrix output:

	area	beds	bathrooms	balconies	area_rate	rent
area	1.00000000	0.51632925	0.5356681	0.296145070	0.022209100	0.4335126
beds	0.51632925	1.00000000	0.8503000	0.418586750	0.111819531	0.4736954
bathrooms	0.5356681	0.8503000	1.0000000	0.442144543	0.160650541	0.3226809
balconies	0.296145070	0.4185868	0.4421445	1.000000000	-0.004592269	0.1791807
area_rate	0.02220911	0.1118195	0.1600505	-0.004592269	1.000000000	0.5070399
rent	0.43351262	0.4736954	0.5326809	0.179180659	0.5070392	1.0000000

- Environment View:** Shows objects in the global environment, including "cor\_," "data," "F1\_," "Ind\_," and "num\_."
- Plots View:** Shows various plots and charts.