

PRACTICAL NO : 6

AIM : Combining and appending datasets using merge() or bind_rows() in R.

The screenshot shows the RStudio interface with the following details:

- File Menu:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Addins:** A toolbar with various icons for file operations.
- Source Editor:** Displays R code for reading datasets and performing data manipulation. The code includes:
 - Reading 'supermarket.csv' into 'superMarket'.
 - Specifying column types for 'superMarket'.
 - Reading 'Features data set.csv' into 'Features'.
 - Specifying column types for 'Features'.
 - Printing the first few rows of 'superMarket'.
 - Printing the first few rows of 'Features'.
 - Displaying the head of 'superMarket'.
 - Displaying the head of 'Features'.
 - Displaying the first few rows of 'superMarket'.
- Environment View:** Shows the global environment with objects like 'Features', 'Features_data_set', 'final_list', 'housing', 'merged_data', 'my_data', 'range_cols', and 'selected_cols'. Each object is listed with its type and dimensions.
- Files View:** Shows the file system structure under 'Downloads'. It includes files like 'Practim.par', 'Whols.zip', 'Practical_01-20251120T053416Z-1-001.zip', 'RCG PRACTICAL - III.dock.pdf', 'RCG PRACTICAL - IV.dock.pdf', 'RCG PRACTICAL - IV.docx', 'RCG PRACTICAL - IV (1).doc', 'RCG PRACTICAL - IV (1).docx', 'CG PRACTICAL - I.dock.pdf', 'American_Housing.csv', 'Practical_01-20251120T053416Z-1-001', 'WhatsApp Unknown 2025-11-18 at 9.41.15 AM', 'Whols', and 'StudentsPerformance.csv'.

The screenshot shows the RStudio interface with the following details:

- File Menu:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Addins:** A dropdown menu showing "Addins" and "Global Environment".
- Source:** A tab labeled "Source" containing R code.
- Console:** A tab labeled "Console" showing the output of the R code, which includes data manipulation and merging.
- Background Jobs:** A tab labeled "Background Jobs" showing a single job named "R 4.5.2 - ~" with a progress bar at 0%.
- Environment:** A tab labeled "Environment" showing the global environment with various objects listed.
- History:** A tab labeled "History" showing the history of the R session.
- Connections:** A tab labeled "Connections" showing available databases.
- Tutorial:** A tab labeled "Tutorial" showing available tutorials.
- Project:** A dropdown menu showing "Project: (None)".
- Bottom Bar:** Includes a currency converter (USD/INR), a search bar, and several RStudio icons.

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SUBJECT NAME: Data Analysis with SAS / SPSS/R

The screenshot shows the RStudio interface with the following details:

- Top Bar:** R Studio, File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Toolbar:** Source, Console, Terminal, Background Jobs, Go to file/function, Addins.
- Console Area:** Displays an R session output. The session starts with loading a dataset and performing a merge operation. It then prints the head of the merged dataset, which includes columns like Date, City, Product Line, Tax %, Payment, gross income, Temperature, Markdown1, Markdown2, Markdown3, Markdown4, Markdown5, and IsHoliday. The output shows several rows of data with numerical values and categorical labels.
- Environment Tab:** Shows the global environment with objects like Features, Features_data_set, final_list, housing, merged_data, my_data, range_cols, and selected_cols.
- File Browser:** Shows a list of files and folders in the Home and Downloads directories. Files include PRAC1ch1.par, Whols.zip, Practical_01-20251112T053416Z-1-001.zip, RCG PRACTICAL - III.pdf, RCG PRACTICAL - IV.docx.pdf, RCG PRACTICAL - IV (2).docx, RCG PRACTICAL - IV (1).docx, RCG PRACTICAL - IV.docx, CG PRACTICAL - I.docx.pdf, American_Housing_Data_20231209.csv, Practical_01-20251112T053416Z-1-001, WhatsApp Unknown 2025-11-18 at 9.41.15 AM, Whols, and StudentsPerformance.csv.
- Bottom Status Bar:** Shows system status including battery level (4.01%), signal strength, and date/time (Dec 1, 2025, 11:20 AM).

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