

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

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

The screenshot shows the RStudio interface with two datasets displayed. The left pane shows the first dataset's headprint:

```
> library(dplyr)
> data <- read.csv("product_sales_dataset_final.csv")
> print("--- Original Dataset ---")
[1] "--- Original Dataset ---"
> print(head(data))
#> #> #> #> #> #>
Order_ID Order_Date Customer_Name City State Region Country
1 1 08-23-23 Bianca Brown Jackson Mississippi South United States
2 2 12-20-24 Jared Edwards Grand Rapids Michigan Centre United States
3 3 01-29-24 Susan Valdez Minneapolis Minnesota Centre United States
4 4 11-29-24 Tina Williams Tallahassee Florida South United States
5 5 09-21-23 Catherine Gordon Baltimore Maryland East United States
6 6 10-18-24 Brittany Johnson Boston Massachusetts East United States

#> #> #> #> #> #>
Category Sub_Category Product_Name Quantity Unit_Price Revenue Profit
1 Accessories Small Electronics Phone Case 3 201.03 603.03 221.49
2 Accessories Small Electronics Charging Cable 4 74.30 297.20 97.09
3 Clothing & Apparel Sportswear Nike Air Force 1 1 68.19 68.19 25.47
4 Clothing & Apparel Sportswear Adidas Tracksuit 3 209.64 628.92 231.38
5 Accessories Bags Backpack 1 216.63 216.63 42.46
6 Electronics Home Appliances Instant Pot 1 701.15 701.15 90.63

> data1 <- data[1:100, ]
> data2 <- data[101:200, ]
> print("--- Dataset 1 (First 100 Rows) ---")
[1] "--- Dataset 1 (First 100 Rows) ---"
> print(head(data1))
#> #> #> #> #> #>
Order_ID Order_Date Customer_Name City State Region Country
1 1 08-23-23 Bianca Brown Jackson Mississippi South United States
2 2 12-20-24 Jared Edwards Grand Rapids Michigan Centre United States
3 3 01-29-24 Susan Valdez Minneapolis Minnesota Centre United States
4 4 11-29-24 Tina Williams Tallahassee Florida South United States
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#> #> #> #> #> #>
Category Sub_Category Product_Name Quantity Unit_Price Revenue Profit
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5 Accessories Bags Backpack 1 216.63 216.63 42.46
6 Electronics Home Appliances Instant Pot 1 701.15 701.15 90.63

> print("--- Dataset 2 (Next 100 Rows) ---")
[1] "--- Dataset 2 (Next 100 Rows) ---"
```

The right pane shows the Global Environment and File Explorer panes.

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The screenshot shows an RStudio interface with the following details:

- Header:** RStudio, File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Source Editor:** Shows R code for printing merged data frames and performing data manipulations like data splitting and binding.
- Environment View:** Displays the global environment with various data frames and their sizes.
- File Explorer:** Shows the project structure with files like .RData, .Rhistory, and various PDFs and Word documents.
- Console:** Displays the output of the R code, including the merged data frame and its structure.
- Status Bar:** Shows the date (01-12-2024), time (11:13), and system status (25°C, Sunny).

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The screenshot shows the RStudio environment. The top menu bar includes File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help, and Addins. The Project tab is set to '(None)'. The left sidebar has tabs for Source, Console, Terminal, and Background Jobs. The Console tab displays R code and its output. The code involves reading datasets, combining them, and printing their heads. The right sidebar shows the Global Environment pane listing various objects like combined_data, data, data_cat1, etc., with their sizes and types. Below it is the Files pane showing a directory structure with files like RData, .Rhistory, 10th result.pdf, 12th result.pdf, ADS Practical No_4.py, Adv.PDS Practical No_3.py, CHEIAN, chetan_chapter_1_to_5[1].docx, Custom Office Templates, DBMS AND SQL CERTIFICATION COURSE.pdf, desktop.ini, dumps, F094 CHETAN MANDAVKAR DBMS CERTIFICATION[1].pdf, F094 CHETAN MANDAVKAR SQL CERTIFICATION[1].pdf, Farmer_Management_System PPT.pdf, Field Project Presentation.pptx, and EN DOCUMENTATION PART 2.docx. The bottom status bar shows the date (01-12-2025), time (11:14 AM), and system information (ENG IN).

```
RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function Addins

Source
Console Terminal Background Jobs

R - R 4.5.2 - ~:~>
2 Thomas Zuniga Maryland East United States Electronics Smartphones
3 Thomas Zuniga Maryland East United States Electronics Smartphones
4 Thomas Zuniga Maryland East United States Electronics Smartphones
5 Donald Flores Maine East United States Electronics Smartphones
6 Emily Davis Maine East United States Electronics Tablets
> Product_Name_Part2 Quantity_Part2 Unit_Price_Part2 Revenue_Part2 Profit_Part2
1 Apple iPhone 1 375.35 375.35 59.87
2 Apple iPhone 14 1 375.35 375.35 59.87
3 Apple iPhone 14 1 375.35 375.35 59.87
4 Apple iPhone 14 1 375.35 375.35 59.87
5 Apple iPhone 14 2 455.82 911.64 114.18
6 iPad Pro 3 143.12 429.36 82.06
> data1$Part <- "First 100 Rows"
> data2$Part <- "Next 100 Rows"
> combined_data <- bind_rows(data1, data2)
> print("--- Combined Data (Rows Added) ---")
[1] "--- Combined Data (Rows Added) ---"
> print(head(combined_data))

Order_ID Order_Date Customer_Name City State Region Country
1 08-22-23 Blanca Brown Jackson Mississippi South United States
2 12-20-24 Jason Edwards Grand Rapids Michigan Centre United States
3 01-29-24 Susan Valdez Minneapolis Minnesota Centre United States
4 11-29-24 Tina Williams Tallahassee Florida South United States
5 09-21-23 Catherine Gordon Baltimore Maryland East United States
6 10-18-24 Brittany Johnson Boston Massachusetts East United States
Category Sub_Category Product_Name Quantity Unit_Price Revenue Profit
1 Accessories Small Electronics Phone Case 3 201.01 603.03 221.49
2 Accessories Small Electronics Charging Cable 4 74.30 297.20 97.09
3 Clothing & Apparel Sportswear Nike Air Force 1 1 68.19 68.19 25.47
4 Clothing & Apparel Sportswear Adidas Tracksuit 3 209.64 628.92 231.38
5 Accessories Bags Backpack 1 216.63 216.63 42.46
6 Electronics Home Appliances Instant Pot 1 701.15 701.15 90.63
> Profits
1 First 100 Rows
2 First 100 Rows
3 First 100 Rows
4 First 100 Rows
5 First 100 Rows
6 First 100 Rows
>
```

Environment History Connections Tutorial

Import Dataset 23 MB

combined_data 200 obs. of 15 variables
data 200000 obs. of 14 variables
data_cat1 35900 obs. of 14 variables
data_cat2 62298 obs. of 14 variables
data1 100 obs. of 15 variables
data2 100 obs. of 15 variables
delivery 18 obs. of 3 variables
delivery_multi_sort 18 obs. of 4 variables
delivery_sorted_dist... 200 obs. of 10 variables

Files Plots Packages Help Viewer Presentation

Home

Name	Size	Modified
RData	6413 KB	Nov 24, 2025, 8:53 PM
.Rhistory	5.7 KB	Nov 24, 2025, 8:53 PM
10th result.pdf	47.3 KB	May 31, 2025, 8:14 PM
12th result.pdf	37.9 KB	May 31, 2025, 8:14 PM
ADS Practical No_4.py	546 B	Nov 18, 2025, 11:06 AM
Adv.PDS Practical No_3.py	132 B	Nov 15, 2025, 11:46 AM
CHEIAN	7.3 MB	Sep 27, 2025, 12:49 PM
chetan_chapter_1_to_5[1].docx	388.9 KB	Oct 21, 2024, 9:30 AM
Custom Office Templates	402 B	Feb 9, 2025, 12:50 PM
DBMS AND SQL CERTIFICATION COURSE.pdf	240.4 KB	Oct 21, 2024, 4:16 PM
desktop.ini	350.3 KB	Oct 21, 2024, 4:17 PM
dumps	929.8 KB	Oct 1, 2025, 8:45 PM
F094 CHETAN MANDAVKAR DBMS CERTIFICATION[1].pdf	2.3 MB	Oct 17, 2025, 12:05 PM
F094 CHETAN MANDAVKAR SQL CERTIFICATION[1].pdf	7.3 MB	Oct 15, 2025, 4:30 PM
Farmer_Management_System PPT.pdf		
Field Project Presentation.pptx		
EN DOCUMENTATION PART 2.docx		

25°C Sunny

11:14 AM 01-12-2025 ENG IN

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