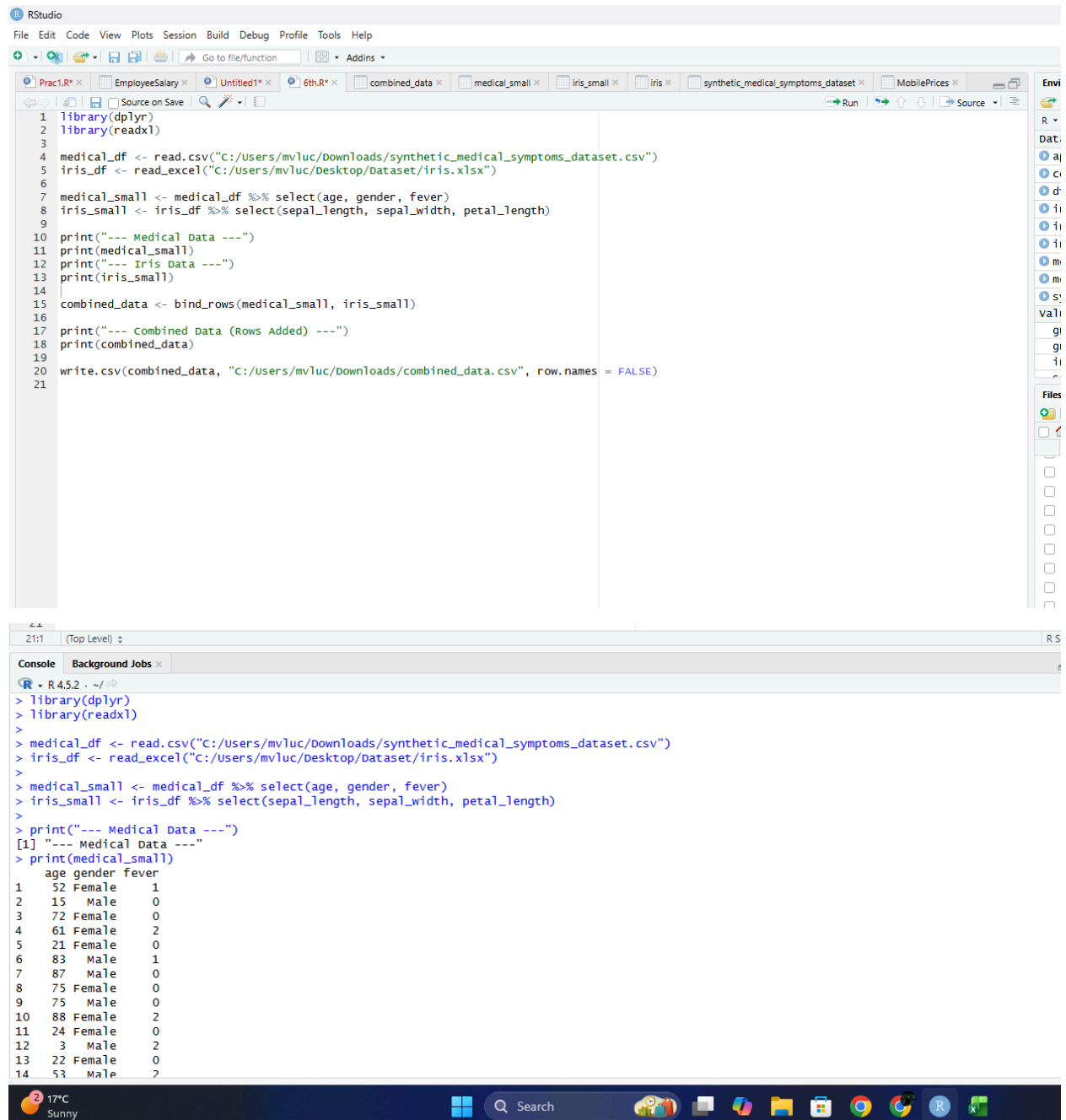


# Sheth I.u.j. And sir m.v. college of arts science and commerce

## Practical 6 R

Combining and appending datasets using merge() or bind\_rows() in R.



The screenshot displays the RStudio interface. The script editor contains the following R code:

```
1 library(dplyr)
2 library(readxl)
3
4 medical_df <- read_csv("C:/Users/mvluc/Downloads/synthetic_medical_symptoms_dataset.csv")
5 iris_df <- read_excel("C:/Users/mvluc/Desktop/Dataset/iris.xlsx")
6
7 medical_small <- medical_df %>% select(age, gender, fever)
8 iris_small <- iris_df %>% select(sepal_length, sepal_width, petal_length)
9
10 print("--- Medical Data ---")
11 print(medical_small)
12 print("--- Iris Data ---")
13 print(iris_small)
14
15 combined_data <- bind_rows(medical_small, iris_small)
16
17 print("--- Combined Data (Rows Added) ---")
18 print(combined_data)
19
20 write_csv(combined_data, "C:/Users/mvluc/Downloads/combined_data.csv", row.names = FALSE)
21
```

The console shows the execution of the code, including the output of the print statements:

```
> library(dplyr)
> library(readxl)
>
> medical_df <- read_csv("C:/Users/mvluc/downloads/synthetic_medical_symptoms_dataset.csv")
> iris_df <- read_excel("C:/Users/mvluc/Desktop/Dataset/iris.xlsx")
>
> medical_small <- medical_df %>% select(age, gender, fever)
> iris_small <- iris_df %>% select(sepal_length, sepal_width, petal_length)
>
> print("--- Medical Data ---")
[1] "--- Medical Data ---"
> print(medical_small)
  age gender fever
1  52 Female    1
2  15  Male    0
3  72 Female    0
4  61 Female    2
5  21 Female    0
6  83  Male    1
7  87  Male    0
8  75 Female    0
9  75  Male    0
10 88 Female    2
11 24 Female    0
12  3  Male    2
13 22 Female    0
14 53  Male    2
```

The Windows taskbar at the bottom shows the system clock as 17°C Sunny.

Name: Simran S113

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```
Console Background Jobs x
R - R452 - ~/...
325 30 Male 0
326 46 Male 1
327 6 Male 1
328 37 Female 0
329 24 Female 0
330 46 Female 1
331 53 Female 0
332 60 Female 1
333 63 Female 2
[ reached 'max' / getOption("max.print") -- omitted 2667 rows ]
> print("--- Iris Data ---")
[1] "--- Iris Data ---"
> print(iris_small)
# A tibble: 150 x 3
  sepal_length sepal_width petal_length
    <dbl>         <dbl>         <dbl>
1     5.1         3.5         1.4
2     4.9         3         1.4
3     4.7         3.2         1.3
4     4.6         3.1         1.5
5     5         3.6         1.4
6     5.4         3.9         1.7
7     4.6         3.4         1.4
8     5         3.4         1.5
9     4.4         2.9         1.4
10    4.9         3.1         1.5
# i 140 more rows

18 print(combined_data)
19
20 write.csv(combined_data, "C:/Users/mvluc/Downloads/combined_data.csv", row.names = FALSE)
21

21:1 (Top Level) R Script
Console Background Jobs x
R - R452 - ~/...
# i 140 more rows
# i Use 'print(n = ...)' to see more rows
>
> combined_data <- bind_rows(medical_small, iris_small)
>
> print("--- Combined Data (Rows Added) ---")
[1] "--- Combined Data (Rows Added) ---"
> print(combined_data)
  age gender fever sepal_length sepal_width petal_length
1   52 Female    1         NA         NA         NA
2   15 Male     0         NA         NA         NA
3   72 Female    0         NA         NA         NA
4   61 Female    2         NA         NA         NA
5   21 Female    0         NA         NA         NA
6   83 Male     1         NA         NA         NA
7   87 Male     0         NA         NA         NA
8   75 Female    0         NA         NA         NA
9   75 Male     0         NA         NA         NA
10  88 Female    2         NA         NA         NA
11  24 Female    0         NA         NA         NA
12   3 Male     2         NA         NA         NA
13  22 Female    0         NA         NA         NA
14  53 Male     2         NA         NA         NA
15   2 Male     0         NA         NA         NA
16  88 Female    2         NA         NA         NA
17  30 Male     1         NA         NA         NA
```

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RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

Prac1.R EmployeeSalary Untitled1\* 6th.R combined\_data medical\_small iris\_small iris synthetic\_medical\_symptoms\_dataset

Filter

	age	gender	fever	sepal_length	sepal_width	petal_length
1	52	Female	1	NA	NA	NA
2	15	Male	0	NA	NA	NA
3	72	Female	0	NA	NA	NA
4	61	Female	2	NA	NA	NA
5	21	Female	0	NA	NA	NA
6	83	Male	1	NA	NA	NA
7	87	Male	0	NA	NA	NA
8	75	Female	0	NA	NA	NA
9	75	Male	0	NA	NA	NA
10	88	Female	2	NA	NA	NA
11	24	Female	0	NA	NA	NA
12	3	Male	2	NA	NA	NA
13	22	Female	0	NA	NA	NA
14	53	Male	2	NA	NA	NA
15	2	Male	0	NA	NA	NA
16	88	Female	2	NA	NA	NA
17	30	Male	1	NA	NA	NA
18	38	Male	3	NA	NA	NA
19	2	Female	0	NA	NA	NA
20	64	Female	0	NA	NA	NA
21	60	Male	0	NA	NA	NA
22	21	Male	2	NA	NA	NA
23	33	Female	1	NA	NA	NA
24	76	Male	2	NA	NA	NA