

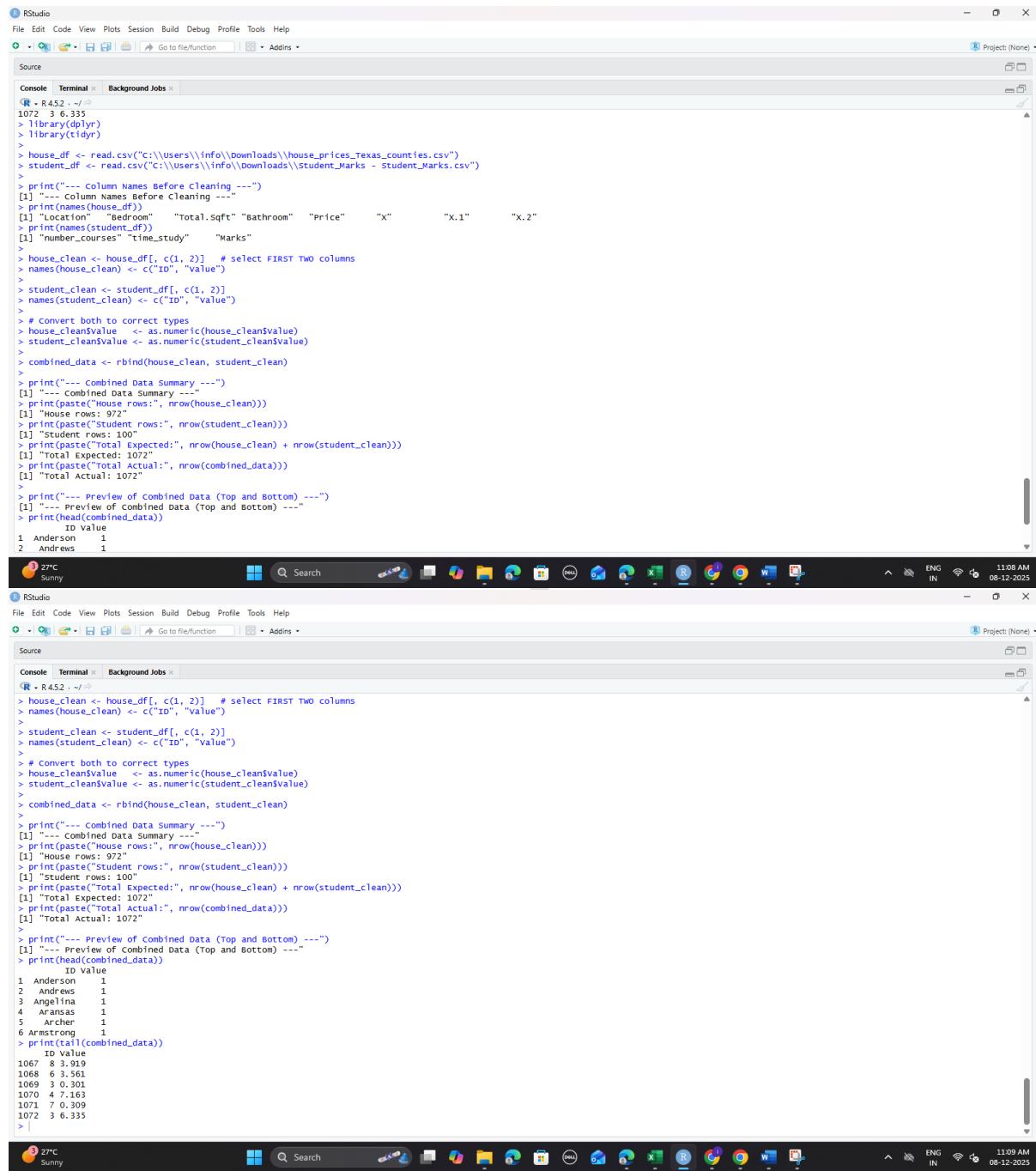
# SHETH L.U.J AND SIR M.V. COLLEGE

## SUBJECT :- DATA ANALYSIS WITH SAS/SPSS/R

### PRACTICAL – 12

**AIM:-** Combining datasets vertically (concatenation) using rbind() (R). Write code to Combining datasets vertically (concatenation) using rbind() in R studio.

#### OUTPUT:-



```
RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function Addins Project: (None)

Source
Console Terminal Background Jobs
R 4.5.2 - ~/~
1072 3 6.335
> library(dplyr)
> library(tidyr)
>
> house_df <- read.csv("c:\\users\\info\\Downloads\\house_prices_Texas_counties.csv")
> student_df <- read.csv("c:\\users\\info\\Downloads\\student_Marks - Student_Marks.csv")
>
> print("--- Column Names Before Cleaning ---")
[1] "--- Column Names Before Cleaning ---"
> print(names(house_df))
[1] "Location"      "Bedroom"        "Total.Sqft"     "Bathroom"       "Price"          "X"             "X.1"           "X.2"
> print(names(student_df))
[1] "number_courses" "time_study"     "Marks"
>
> house_clean <- house_df[, c(1, 2)] # select FIRST TWO columns
> names(house_clean) <- c("ID", "value")
>
> student_clean <- student_df[, c(1, 2)]
> names(student_clean) <- c("ID", "value")
>
> # convert both to correct types
> house_clean$value <- as.numeric(house_clean$value)
> student_clean$value <- as.numeric(student_clean$value)
>
> combined_data <- rbind(house_clean, student_clean)
>
> print("--- Combined Data Summary ---")
[1] "--- Combined Data Summary ---"
> print(paste("House rows:", nrow(house_clean)))
[1] "House rows: 972"
> print(paste("Student rows:", nrow(student_clean)))
[1] "Student rows: 100"
> print(paste("Total Expected:", nrow(house_clean) + nrow(student_clean)))
[1] "Total Expected: 1072"
> print(paste("Total Actual:", nrow(combined_data)))
[1] "Total Actual: 1072"
>
> print("--- Preview of combined data (Top and Bottom) ---")
[1] "--- Preview of combined data (Top and Bottom) ---"
> print(head(combined_data))
  ID value
1 Anderson 1
2 Andrews  1

RStudio
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Source
Console Terminal Background Jobs
R 4.5.2 - ~/~
> house_clean <- house_df[, c(1, 2)] # select FIRST TWO columns
> names(house_clean) <- c("ID", "value")
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> student_clean <- student_df[, c(1, 2)]
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> # Convert both to correct types
> house_clean$value <- as.numeric(house_clean$value)
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[1] "House rows: 972"
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> print(paste("Total Expected:", nrow(house_clean) + nrow(student_clean)))
[1] "Total Expected: 1072"
> print(paste("Total Actual:", nrow(combined_data)))
[1] "Total Actual: 1072"
>
> print("--- Preview of Combined Data (Top and Bottom) ---")
[1] "--- Preview of Combined Data (Top and Bottom) ---"
> print(head(combined_data))
  ID value
1 Anderson 1
2 Andrews  1
3 Angelina 1
4 Arnelia   1
5 Archer    1
6 Armstrong 1
> print(tail(combined_data))
  ID value
1067 8 3.919
1066 6 3.561
1065 3 3.001
1070 7 7.163
1071 7 0.309
1072 3 6.335
> |
```