

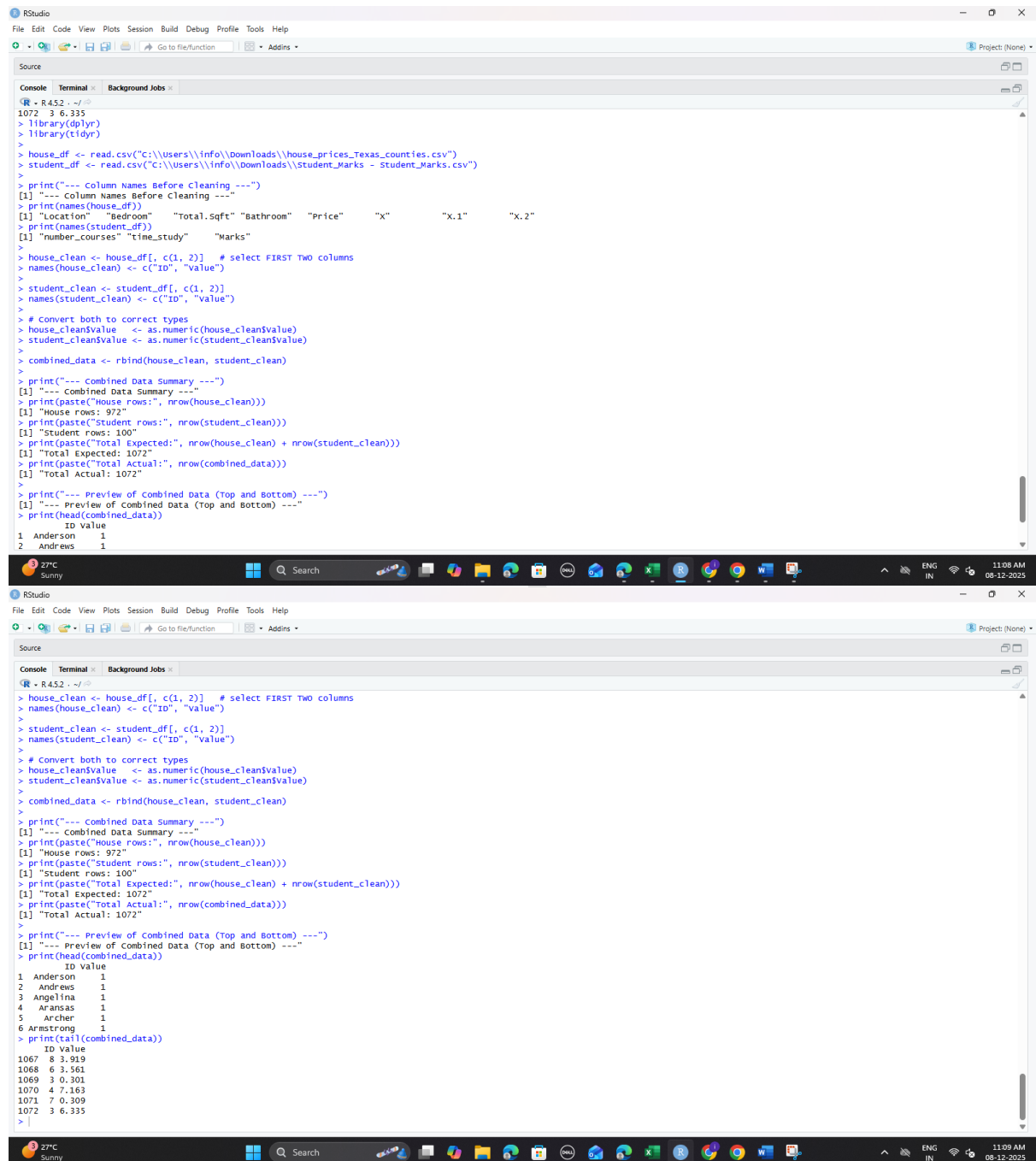
SHETH L.U.J AND SIR M.V. COLLEGE

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:-



```
R - R4.5.2 ~ /
1072 3 6.335
> library(dplyr)
> library(tidyrr)
>
> 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
>
> print(tail(combined_data))
  ID Value
1067 8 3.919
1068 6 3.561
1069 3 0.301
1070 4 7.163
1071 7 0.309
1072 3 6.335
>
```