

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

SUBJECT :- DATA ANALYSIS WITH SAS/SPSS/R

PRACTICAL – 6

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

The screenshot shows the RStudio interface with the following code in the console:

```
R > #1: Setup
> #dataset 1
> data_jan <- data.frame(
+   ID = c(1, 2, 3),
+   Name = c("Guts", "Griffith", "Sumeet"),
+   Jan_Sales = c(100, 150, 200)
+ )
>
> #dataset 2
> data_feb <- data.frame(
+   ID = c(1, 2, 3),
+   Name = c("Guts", "Griffith", "Sumeet"),
+   Feb_Sales = c(120, 160, 210)
+ )
>
> #dataset 3
> data_new_hire <- data.frame(
+   ID = c(4, 5),
+   Name = c("Naruto", "Sasuke"),
+   Jan_Sales = c(50, 60)
+ )
>
> print("--- Data January ---")
[1] "... data January ..."
> print(data_jan)
#> ID Name Jan_Sales
#> 1 1 Guts 100
#> 2 2 Griffith 150
#> 3 3 Sumeet 200
> print("--- Data February ---")
[1] "... data February ..."
> print(data_feb)
#> ID Name Feb_Sales
#> 1 1 Guts 120
#> 2 2 Griffith 160
#> 3 3 Sumeet 210
>
> #2: Merge
> merged_data <- merge(data_jan, data_feb, by = c("ID", "Name"))
> print("--- Merged Data (Columns Added) ---")
[1] "... Merged Data (Columns Added) ..."
> print(merged_data)
```

The environment pane shows various R objects and files. The file pane shows a list of files including 'APDS PRAC3.pdf', 'BOOK STORE.accdb', 'cleaned_house_prices.csv', 'Custom Office Templates', 'Database1.accdb', 'Database2.accdb', 'desktop.ini', 'excel data', 'GIS Database', 'house_prices_Texas_countries', 'IISExpress', 'My Music', 'My Pictures', and 'My Videos'. The status bar at the bottom right indicates the date and time as 11:07 AM on 01-12-2025.

This screenshot is identical to the one above, showing the RStudio interface with the same code in the console and the same environment and file panes. The status bar at the bottom right indicates the date and time as 11:07 AM on 01-12-2025.