

**SHETH L.U.J AND SIR M.V. COLLEGE**  
**SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R**

# Module 1 Practical 7

**Aim:** Selecting and dropping variables using `select()` in R. import dataset.

## OUTPUT:

The screenshot shows an RStudio interface with the following details:

- File Menu:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Source Editor:** Displays R code and its output. The code reads a CSV file, prints the first three rows, and then prints the head of the orders data frame. It then selects specific columns (order\_id, city, order\_value), prints the selected specific columns, and prints the head of the selected columns. Finally, it prints the range of columns (order\_id, order\_time, city, cuisine\_type) and prints the head of the range columns.
- Environment View:** Shows the global environment with objects like full\_df, merged\_5, merged\_3, midterm\_3, new\_st\_2, orders, range\_500, select\_500, and starts\_500.
- Plots:** A small plot of the SENSEX index is visible in the bottom left.
- Bottom Bar:** Includes icons for search, file operations, and system status.

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The screenshot shows the RStudio interface with the following details:

- File Menu:** File, Edit, Code, View, Plots, Session, Build, Debug, Profile, Tools, Help.
- Source Tab:** Contains the R code for the session.
- Console Tab:** Displays the R session output.
- Terminal Tab:** Not active.
- Background Jobs Tab:** Not active.
- Environment Tab:** Shows the global environment with objects like `full_d...`, `merged...`, etc.
- History Tab:** Shows the history of R sessions.
- Connect Tab:** Shows network connections.
- Files Tab:** Browsing the directory `C:/Users/PRIYANKA/Downloads`.
- Plots Tab:** Not active.
- Packages Tab:** Not active.
- Help Tab:** Not active.

**Console Output (R 4.5.2):**

```
R > R 4.5.2 - C:/Users/PRIYANKA/Downloads/
1 ORD100000 2025-10-05 21:16:00 Pune Healthy
2 ORD100001 2025-06-07 09:40:00 Hyderabad Fast Food
3 ORD100002 2025-12-20 18:46:00 Chennai Fast Food
>
> starts_with_c <- orders %>%
+   select(starts_with("c"))
>
> print("--- Selected columns starting with 'c' ---")
[1] "--- Selected columns starting with 'c' ---"
> print(head(starts_with_c, 3))
      city cuisine_type
1     Pune      Healthy
2 Hyderabad    Fast Food
3  Chennai    Fast Food
>
> dropped_one <- orders %>%
+   select(-items_count)
>
> print("--- Dataset with 'items_count' dropped ---")
[1] "--- Dataset with 'items_count' dropped ---"
> print(names(dropped_one)) # Printing names to verify it's gone
[1] "order_id"          "order_time"        "city"           "cuisine_type"      "order_value"
[6] "delivery_time_minutes" "payment_method"
>
> dropped_multiple <- orders %>%
+   select(-delivery_time_minutes, -payment_method)
>
> print("--- Dataset with specific columns dropped ---")
[1] "--- Dataset with specific columns dropped ---"
> print(names(dropped_multiple))
[1] "order_id"          "order_time"        "city"           "cuisine_type"      "order_value"      "items_count"
>
> dropped_range <- orders %>%
+   select(-city:order_value)
>
> print("--- Dataset with range 'city' to 'order_value' dropped ---")
[1] "--- Dataset with range 'city' to 'order_value' dropped ---"
> print(names(dropped_range))
[1] "order_id"          "order_time"        "delivery_time_minutes" "payment_method"      "items_count"
```