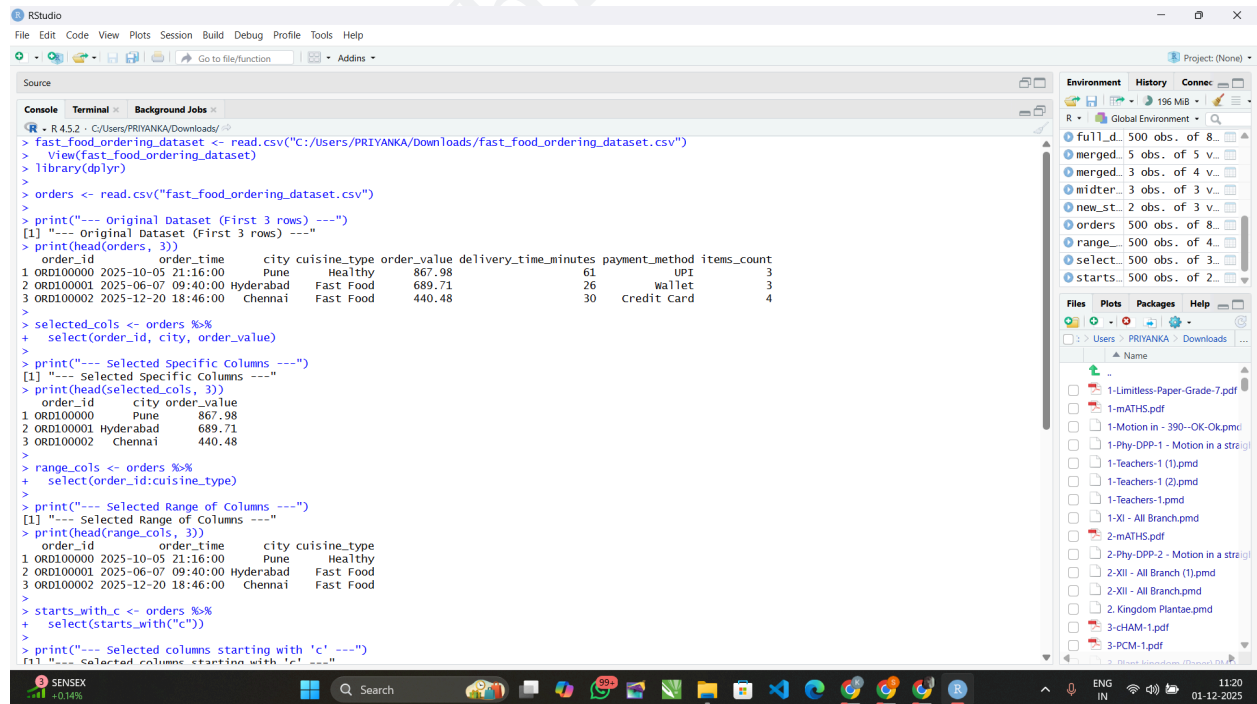


SHETH L.U.J AND SIR M.V. COLLEGE
SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R

Module 1 Practical 7

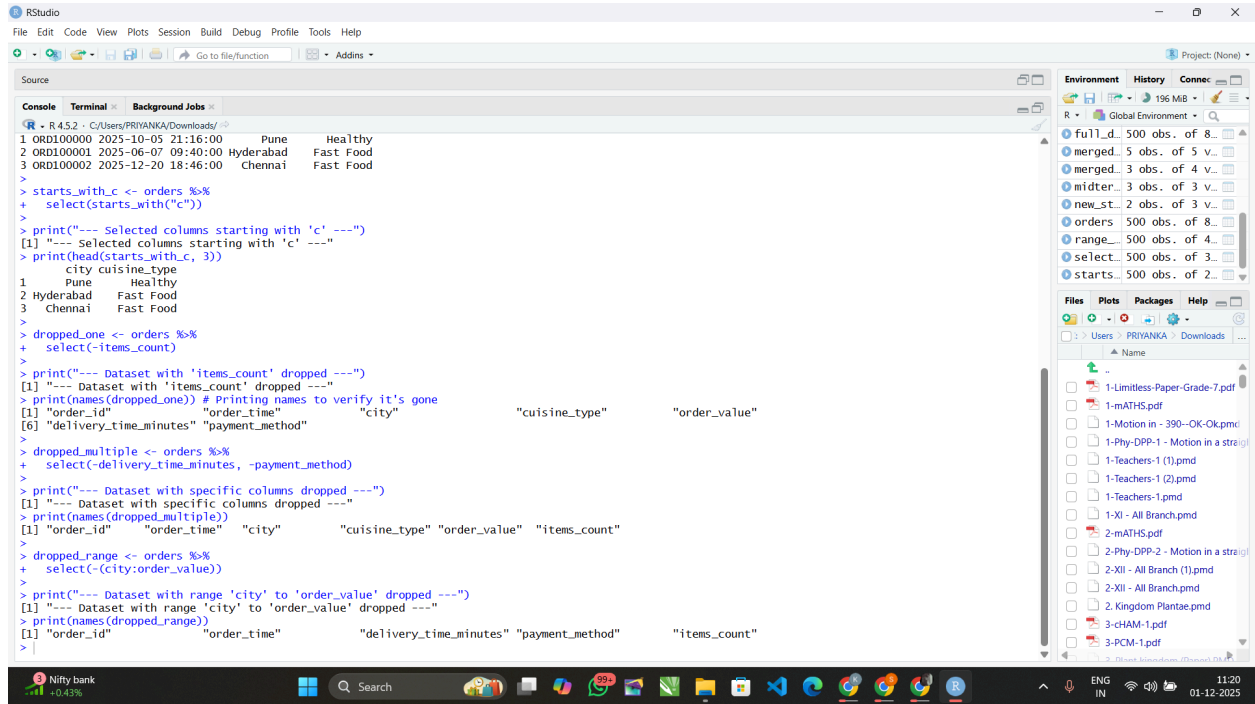
Aim: Selecting and dropping variables using select() in R. import dataset.

OUTPUT:



```
R - R 4.5.2 - C:/Users/PRIVANKA/Downloads/
File Edit Code View Plots Session Build Debug Profile Tools Help
Source
Console Terminal Background Jobs
> fast_food_ordering_dataset <- read.csv("C:/Users/PRIVANKA/Downloads/fast_food_ordering_dataset.csv")
> View(fast_food_ordering_dataset)
> library(dplyr)
> 
> orders <- read.csv("fast_food_ordering_dataset.csv")
> 
> print("--- Original Dataset (First 3 rows) ---")
[1] "--- Original Dataset (First 3 rows) ---"
> print(head(orders, 3))
  order_id order_time city cuisine_type order_value delivery_time_minutes payment_method items_count
1 ORD100000 2025-10-05 21:16:00 Pune Healthy 867.98 61 UPI 3
2 ORD100001 2025-06-07 09:40:00 Hyderabad Fast Food 689.71 26 wallet 3
3 ORD100002 2025-12-20 18:46:00 Chennai Fast Food 440.48 30 Credit Card 4
> 
> selected_cols <- orders %>%
+   select(order_id, city, order_value)
> 
> print("--- Selected Specific Columns ---")
[1] "--- Selected Specific Columns ---"
> print(head(selected_cols, 3))
  order_id city order_value
1 ORD100000 Pune 867.98
2 ORD100001 Hyderabad 689.71
3 ORD100002 Chennai 440.48
> 
> range_cols <- orders %>%
+   select(order_id:cuisine_type)
> 
> print("--- Selected Range of Columns ---")
[1] "--- Selected Range of Columns ---"
> print(head(range_cols, 3))
  order_id order_time city cuisine_type
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' ---"
```

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The screenshot displays the RStudio environment. The console shows the execution of R code that reads a CSV file, filters data based on city, and performs various data manipulation tasks. The environment pane on the right lists the objects created during the session.

```
> source("C:/Users/PRIVANKA/Downloads/ORD100000.csv")
> ORD100000 <- read_csv("C:/Users/PRIVANKA/Downloads/ORD100000.csv")
> ORD100000
# A tibble: 3 x 5
#   order_id order_time city cuisine_type order_value
#   <dbl>    <dbl> <fct>    <fct>         <dbl>
1 1.000000 2025-10-05 21:16:00 Pune      Healthy      10.99
2 2.000001 2025-06-07 09:40:00 Hyderabad Fast Food    15.99
3 3.000002 2025-12-20 18:46:00 Chennai   Fast Food    15.99
> 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))
# A tibble: 3 x 1
#   city
#   <fct>
1 Pune
2 Hyderabad
3 Chennai
>
> 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"
>
> |
```

The environment pane on the right shows the following objects:

- full_d... 500 obs. of 8...
- merged... 5 obs. of 5 v...
- merged... 3 obs. of 4 v...
- midter... 3 obs. of 3 v...
- new_st... 2 obs. of 3 v...
- orders 500 obs. of 8...
- range... 500 obs. of 4...
- select... 500 obs. of 3...
- starts... 500 obs. of 2...