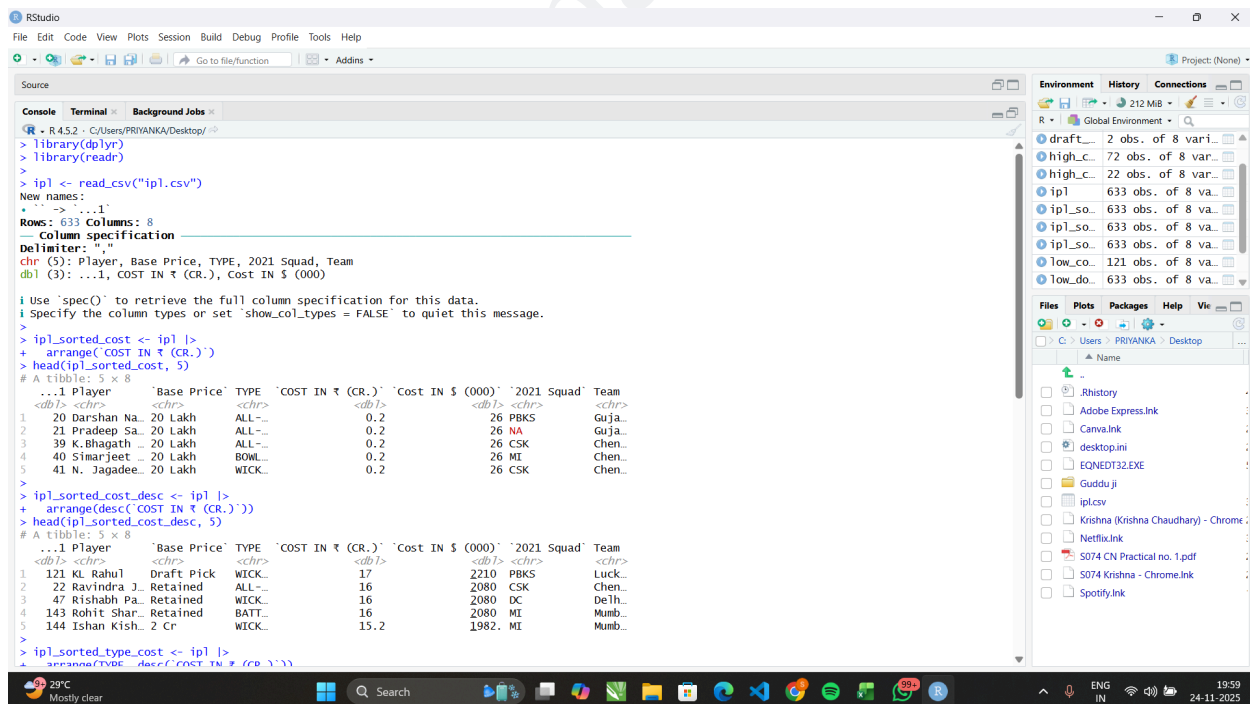


**SHETH L.U.J AND SIR M.V. COLLEGE**  
**SUBJECT NAME: DATA ANALYSIS WITH SAS/SPSS/R**

**Module 1 Practical 5**

**Aim:** Applying conditional filters subset() or filter() in R.

**OUTPUT:**



```
R - R 4.5.2 - C:/Users/PRIVANKA/Desktop/
File Edit Code View Plots Session Build Debug Profile Tools Help
Source Console Terminal Background Jobs
> library(dplyr)
> library(readr)
> 
> ipl <- read_csv("ipl.csv")
New names:
  <-> ...1
Rows: 633 Columns: 8
Column specification
Delimiter: ","
chr (5): Player, Base Price, TYPE, 2021 Squad, Team
dbl (3): ...1, COST IN ₹ (CR.), Cost IN $ (000)

i Use 'spec()' to retrieve the full column specification for this data.
i Specify the column types or set 'show_col_types = FALSE' to quiet this message.
> 
> ipl_sorted_cost <- ipl |>
+ arrange(COST IN ₹ (CR.))
> head(ipl_sorted_cost, 5)
# A tibble: 5 x 8
  ...1 Player      Base Price TYPE COST IN ₹ (CR.) Cost IN $ (000) 2021 Squad Team
  <dbl> <chr>      <chr>      <chr>      <dbl>      <dbl> <chr>      <chr>
1 20 Darshan Na... 20 Lakh  ALL~ 0.2 26 PBKS Guja...
2 21 Pradeep Sa... 20 Lakh  ALL~ 0.2 26 NA Guja...
3 39 K.Bhagath ... 20 Lakh  ALL~ 0.2 26 CSK Chen...
4 40 Simarjeet ... 20 Lakh  BOWL~ 0.2 26 MI Chen...
5 41 N. Jagadee... 20 Lakh  WICK~ 0.2 26 CSK Chen...

> 
> ipl_sorted_cost_desc <- ipl |>
+ arrange(desc(COST IN ₹ (CR.)))
> head(ipl_sorted_cost_desc, 5)
# A tibble: 5 x 8
  ...1 Player      Base Price TYPE COST IN ₹ (CR.) Cost IN $ (000) 2021 Squad Team
  <dbl> <chr>      <chr>      <chr>      <dbl>      <dbl> <chr>      <chr>
1 121 KL Rahul Draft Pick WICK~ 17 2210 PBKS Luck...
2 22 Ravindra J... Retained ALL~ 16 2080 CSK Chen...
3 47 Rishabh Pa... Retained WICK~ 16 2080 DC Delh...
4 143 Rohit Shar... Retained BATT~ 16 2080 MI Mumb...
5 144 Ishan Kish... 2 Cr WICK~ 15.2 1982 MI Mumb...

> 
> ipl_sorted_type_cost <- ipl |>
+ arrange(TYPE_desc(COST IN ₹ (CR.)))
```

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

```
RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function Addins
Project: (None)
Environment History Connections
R Global Environment 212 MB
draft_ 2 obs. of 8 vari...
high_c_ 72 obs. of 8 var...
high_c_ 22 obs. of 8 var...
ipl 633 obs. of 8 va...
ipl_so_ 633 obs. of 8 va...
ipl_so_ 633 obs. of 8 va...
ipl_so_ 633 obs. of 8 va...
low_co_ 121 obs. of 8 va...
low_do_ 633 obs. of 8 va...
Files Plots Packages Help View
C Users PRIVANKA Desktop
Name
Rhistory
Adobe Express.Ink
Canva.Ink
desktop.ini
EQNEDT32.EXE
Guddu ji
ipl.csv
Krishna (Krishna Chaudhary) - Chrome
Netflix.Ink
S074 CN Practical no.1.pdf
S074 Krishna - Chrome.Ink
Spotify.Ink
Source
Console Terminal Background Jobs
R R 4.5.2 C:/Users/PRIVANKA/Desktop/
# A tibble: 10 x 8
  Player Base Price TYPE COST IN ₹ (CR.) Cost IN $ (000) 2021 Squad Team
  <dbl> <chr> <chr> <dbl> <dbl> <chr> <chr>
1 22 Ravindra J. Retained ALL- 16 2080 CSK Chen..
2 1 Hardik Pa. Draft Pick ALL- 15 1950 MI Guja..
3 72 Andre Rus. Retained ALL- 12 1560 KKR Koik..
4 97 Liam Livi. 1 Cr ALL- 11.5 1495 RR Punj..
5 169 Glenn Max. Retained ALL- 11 1430 RCB Roya..
6 170 Wanindu H. 1 Cr ALL- 10.8 1398 RCB Roya..
7 171 Harshal P. 2 Cr ALL- 10.8 1398 RCB Roya..
8 123 Marcus St. Draft Pick ALL- 9.2 1196 DC Luck..
9 3 Rahul Tew. 40 Lakh ALL- 9 1170 RR Guja..
10 49 Axar Patel Retained ALL- 9 1170 DC Delh..
>
> high_cost_sorted_team <- ipl |>
+ filter(COST IN ₹ (CR.) > 5) |>
+ arrange(Team)
> head(high_cost_sorted_team)
# A tibble: 6 x 8
  Player Base Price TYPE COST IN ₹ (CR.) Cost IN $ (000) 2021 Squad Team
  <dbl> <chr> <chr> <dbl> <dbl> <chr> <chr>
1 22 Ravindra J. Retained ALL- 16 2080 CSK Chen..
2 23 Deepak Cha. 2 Cr BOWL- 14 1820 CSK Chen..
3 24 MS Dhoni Retained WICK- 12 1560 CSK Chen..
4 25 Moeen Ali Retained ALL- 8 1040 CSK Chen..
5 26 Ambati Ray. 2 Cr WICK- 6.75 878 CSK Chen..
6 27 Ruturaj Ga. Retained BATT- 6 780 CSK Chen..
>
> low_dollar_sorted_team <- ipl |>
+ arrange(Cost IN $ (000)) |>
+ head(low_dollar_sorted_team, 5)
# A tibble: 5 x 8
  Player Base Price TYPE COST IN ₹ (CR.) Cost IN $ (000) 2021 Squad Team
  <dbl> <chr> <chr> <dbl> <dbl> <chr> <chr>
1 20 Darshan Na. 20 Lakh ALL- 0.2 26 PBKS Guja..
2 21 Pradeep Sa. 20 Lakh ALL- 0.2 26 NA Guja..
3 39 K. Bhagath 20 Lakh ALL- 0.2 26 CSK Chen..
4 40 Simarjeet 20 Lakh BOWL- 0.2 26 MI Chen..
5 41 N. Jagadee. 20 Lakh WICK- 0.2 26 CSK Chen..
>
```