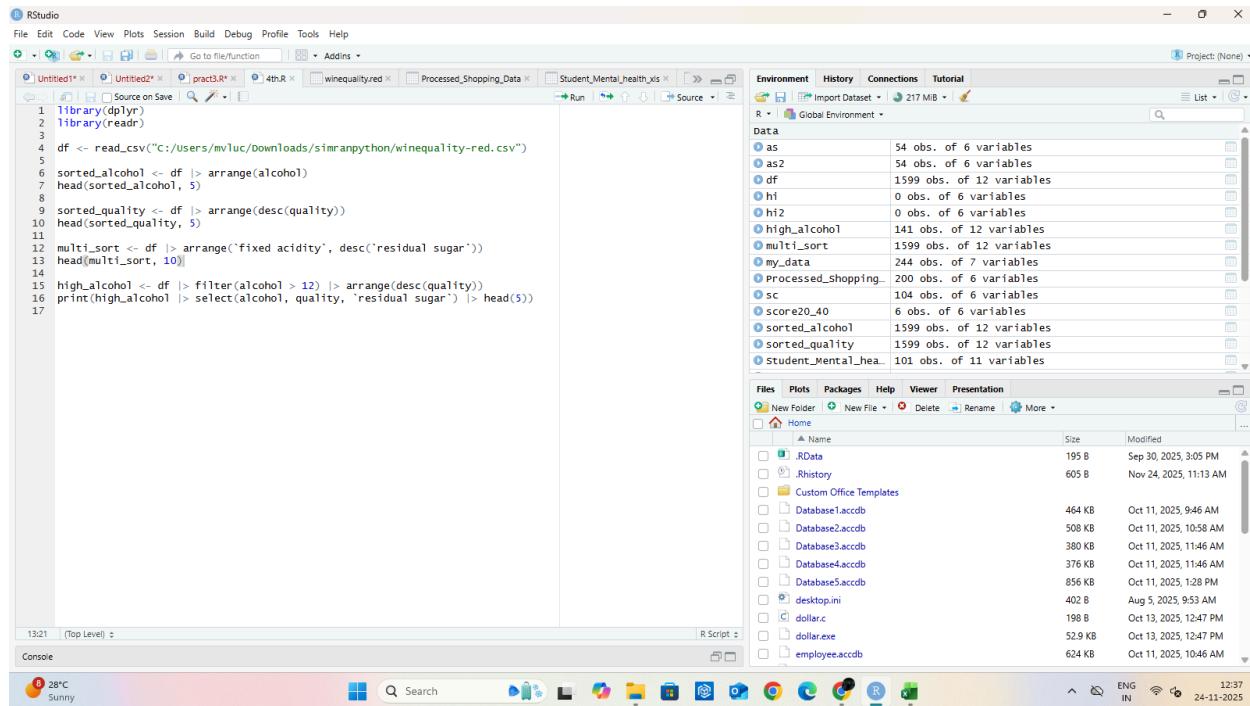


Sheth I.u.j. And sir m.v. college of arts science and commerce

Practical 5

Sorting data using `arrange()` in R.
output



The screenshot shows the RStudio interface with the following details:

- Code Editor:** Displays R code for reading a CSV file and sorting it by alcohol content and quality.
- Environment View:** Shows the global environment with various objects and their characteristics.
- File Explorer:** Shows the file structure of the current project, including files like RData, .Rhistory, and various database files.
- Console:** Shows the command prompt and system status.
- System Tray:** Shows weather (38°C, Sunny), system icons, and system status (ENG IN, 24-11-2025).

```
1 library(dplyr)
2 library(readr)
3 
4 df <- read_csv("C:/Users/mvluc/Downloads/simranpython/winequality-red.csv")
5 
6 sorted_alcohol <- df |> arrange(alcohol)
7 head(sorted_alcohol, 5)
8 
9 sorted_quality <- df |> arrange(desc(quality))
10 head(sorted_quality, 5)
11 
12 multi_sort <- df |> arrange(`fixed acidity`, `residual sugar`)
13 head(multi_sort, 10)
14 
15 high_alcohol <- df |> filter(alcohol > 12) |> arrange(desc(quality))
16 print(high_alcohol |> select(alcohol, quality, `residual sugar`)) |> head(5)
```

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RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Console | Background Jobs

```
R - R 4.5.2 - ~
> df <- read_csv("C:/Users/mvluc/Downloads/simranpython/winequality-red.csv")
Rows: 1599 Columns: 12
$ fixed acidity:dbl(12): fixed acidity, volatile acidity, citric acid, residual sugar, chlorides, free sulfur dioxide, total sulfur dioxide, density, pH, sulphates, alcohol, quality
$ volatile acidity:dbl(12): volatile acidity
$ citric acid:dbl(12): citric acid
$ residual sugar:dbl(12): residual sugar
$ chlorides:dbl(12): chlorides
$ free sulfur dioxide:dbl(12): free sulfur dioxide
$ total sulfur dioxide:dbl(12): total sulfur dioxide
$ density:dbl(12): density
$ pH:dbl(12): pH
$ sulphates:dbl(12): sulphates
$ alcohol:dbl(12): alcohol
$ quality:dbl(12): quality
# i 6 more variables: `total sulfur dioxide` <dbl>, `density` <dbl>, `pH` <dbl>, `sulphates` <dbl>, `alcohol` <dbl>, `quality` <dbl>
> sorted_alcohol <- df |> arrange(alcohol)
> head(sorted_alcohol, 5)
# # A tibble: 5 × 12
#   fixed acidity `volatile acidity` `citric acid` `residual sugar` chlorides `free sulfur dioxide`
#   <dbl>           <dbl>          <dbl>          <dbl>      <dbl>           <dbl>
1    4.6            0.52          0.15          2.1     0.054           8
2    4.7            0.6           0.17          2.3     0.058          17
3    4.9            0.42          0           2.1     0.048          16
4    5               0.4           0.5          4.3     0.046          29
5    5               0.42          0.24          2       0.06          19
6    5               1.04          0.24          1.6     0.05          32
7    5               0.38          0.01          1.6     0.048          26
8    5               1.02          0.04          1.4     0.045          41
9    5               0.74          0           1.2     0.041          16
10   5.1             0.51          0.18          2.1     0.042          16
# i 6 more variables: `total sulfur dioxide` <dbl>, `density` <dbl>, `pH` <dbl>, `sulphates` <dbl>, `alcohol` <dbl>, `quality` <dbl>
> print(high_alcohol) |> select(alcohol, quality, `residual sugar`)
# # A tibble: 5 × 3
#   alcohol quality `residual sugar`
#   <dbl>   <dbl>           <dbl>
1  12.8     8            3.6
2  12.6     8            6.4
3  12.9     8            1.4
4  13.4     8            5.2
5  14        8            2
> head(multi_sort, 10)
# # A tibble: 10 × 12
#   fixed acidity `volatile acidity` `citric acid` `residual sugar` chlorides `free sulfur dioxide`
#   <dbl>           <dbl>          <dbl>          <dbl>      <dbl>           <dbl>
1    4.6            0.52          0.15          2.1     0.054           8
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> |
```

Environment History Connections Tutorial

Data

- as
- as2
- df
- hi
- hi2
- high_alcohol
- multi_sort
- my_data
- processed_shopping_
- sc
- score20_40
- sorted_alcohol
- sorted_quality
- student_Mental_he_

Files Plots Packages Help Viewer Presentation

Home

Name	Size	Modified
RData	195 B	Sep 30, 2025, 3:05 PM
.Rhistory	605 B	Nov 24, 2025, 11:13 AM
Custom Office Templates		
Database1.accdb	464 KB	Oct 11, 2025, 9:46 AM
Database2.accdb	508 KB	Oct 11, 2025, 10:58 AM
Database3.accdb	380 KB	Oct 11, 2025, 11:46 AM
Database4.accdb	376 KB	Oct 11, 2025, 11:46 AM
Database5.accdb	856 KB	Oct 11, 2025, 1:28 PM
desktop.ini	402 B	Aug 5, 2025, 9:53 AM
dollar.c	198 B	Oct 13, 2025, 12:47 PM
dollar.exe	529 KB	Oct 13, 2025, 12:47 PM
employee.accdb	624 KB	Oct 11, 2025, 10:46 AM

28°C Sunny 12:37 ENG IN 24-11-2025

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Console | Background Jobs

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Name: Simran S113