

## **MVLU COLLEGE.**

PRACTICAL NO :- 05

AIM :- Sorting data using arrange() in R.

CODE :-

```
install.packages(c("readr", "psych"))
```

```
library(dplyr)
```

```
data <- read.csv("D:/S100/Cleaned_Mental_Health_and_Social_Media_Balance.csv")
```

```
colnames(data)
```

```
names(data)[4] <- "screen_time"  
names(data)[5] <- "sleep"  
names(data)[6] <- "stress"  
names(data)[7] <- "days_off"  
names(data)[8] <- "exercise"  
names(data)[10] <- "happiness"
```

```
data_clean <- data
```

```
data_clean |> arrange(stress_level.1.10.) |> head(5)  
data_clean |> arrange(desc(sleep_quality.1.10.)) |> head(5)  
data_clean |> arrange(stress_level.1.10., desc(happiness_index.1.10.)) |> head(10)
```

```
data_clean |>  
filter(days_without_social_media > 3) |>  
arrange(stress_level.1.10.) |>  
select(user_id, days_without_social_media, stress_level.1.10.) |>  
head(5)
```

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```

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(R > 4.52 - ~)
>
> data_clean <- data
>
> data_clean |> arrange(screen_time) |> head(5)
Error in `arrange()`: 
! In argument: `..1 = screen_time`.
Caused by error:
! object 'screen_time' not found
Run `rlang::last_trace()` to see where the error occurred.

> View(data_clean)
> data_clean |> arrange(stress_level.1.hrs.) |> head(5)
#> user_id age gender daily_screen_time.hrs. sleep_quality.1.10. stress_level.1.10. days_without_social_media
#> 1 U094 39 Female 3.0 7 2 1
#> 2 U043 19 Male 2.5 9 3 0
#> 3 U044 17 other 2.3 9 3 3
#> 4 U056 29 Female 4.0 7 3 3
#> 5 U263 38 Female 2.7 6 3 4
#> exercise_frequency.week. social_media_platform happiness_index.1.10.
#> 1 0 Facebook 10
#> 2 0 LinkedIn 10
#> 3 4 X (Twitter) 10
#> 4 3 TikTok 10
#> 5 4 YouTube 10
> data_clean |> arrange(desc(daily_screen_time.hrs.)) |> head(5)
+ data_clean |> arrange(desc(daily_screen_time.hrs.)) |> head(5)

Error: unexpected symbol in:
" data_clean |> arrange(desc(daily_screen_time.hrs.)) |> head(5)
" data_clean"
#>

> data_clean |> arrange(desc(sleep_quality.1.10.)) |> head(5)
#> user_id age gender daily_screen_time.hrs. sleep_quality.1.10. stress_level.1.10. days_without_social_media
#> 1 U090 16 Male 3.8 10 6 5
#> 2 U143 17 Male 2.2 10 5 4
#> 3 U183 26 Female 3.8 10 6 5
#> 4 U403 45 Male 2.1 10 5 6
#> 5 U408 28 Male 2.6 10 3 4
#> exercise_frequency.week. social_media_platform happiness_index.1.10.
#> 1 0 X (Twitter) 10
#> 2 1 LinkedIn 10
#> 3 2 LinkedIn 10
#> 4 1 Facebook 10
#> 5 3 Instagram 10
> data_clean |> arrange(sleep, desc(happiness_index.1.10.)) |> head(10)

Error in `arrange()`: 
! In argument: `..1 = sleep`.
Caused by error:
! `..1` must be size 500 or 1, not 20.
Run `rlang::last_trace()` to see where the error occurred.

> data_clean |> arrange(stress_level.1.hrs., desc(happiness_index.1.10.)) |> head(10)
#> user_id age gender daily_screen_time.hrs. sleep_quality.1.10. stress_level.1.10. days_without_social_media
#> 1 U094 39 Female 3.0 7 2 1
#> 2 U043 19 Male 2.5 9 3 0
#> 3 U044 17 other 2.3 9 3 3
#> 4 U056 29 Female 4.0 7 3 3
#> 5 U263 38 Female 2.7 6 3 4
#> 6 U325 18 Male 1.7 9 3 1
#> 7 U332 43 Female 4.3 6 3 3
#> 8 U379 23 Male 1.5 9 3 2
#> 9 U408 28 Male 2.6 10 3 4
#> 10 U452 21 Female 2.5 9 3 2
#> exercise_frequency.week. social_media_platform happiness_index.1.10.
#> 1 0 Facebook 10
#> 2 0 LinkedIn 10
#> 3 4 X (Twitter) 10
#> 4 3 TikTok 10
#> 5 4 YouTube 10
#> 6 2 X (Twitter) 10
#> 7 2 TikTok 10
#> 8 3 TikTok 10
#> 9 3 Instagram 10
#> 10 5 TikTok 10
> data_clean |>

```

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R - R 4.5.2 - ~/

```
4 U056 29 Female 4.0 7 3 3
5 U263 38 Female 2.7 6 3 4
6 U025 21 Male 1.7 9 3 1
7 U332 43 Female 4.3 6 3 3
8 U379 23 Male 1.5 9 3 2
9 U408 28 Male 2.6 10 3 4
10 U452 21 Female 2.5 9 3 2
exercise_frequency.week. social_media_platform happiness_index.1.10.
1 0 Facebook 10
2 0 LinkedIn 10
3 4 X (Twitter) 10
4 3 TikTok 10
5 4 YouTube 10
6 2 X (Twitter) 10
7 2 TikTok 10
8 3 TikTok 10
9 3 Instagram 10
10 5 TikTok 10
> data_clean |>
+ filter(days_off > 3) |>
+ arrange(stress_level.1.10.) |>
+ select(user_id, days_off, stress_level.1.10.) |>
+ head(5)
Error in `filter()`:
! In argument: `days_off > 3`.
Caused by error:
! object 'days_off' not found
Run rlang::last_trace() to see where the error occurred.

> data_clean |>
+ filter(days_without_social_media > 3) |>
+ arrange(stress_level.1.10.) |>
+ select(user_id, days_without_social_media, stress_level.1.10.) |>
+ head(5)
user_id days_without_social_media stress_level.1.10.
1 U263 4 3
2 U408 4 3
3 U028 5 4
4 U051 5 4
5 U066 5 4
> |
```

Environment History Connections Tutorial

Import Dataset 233 MB

Data

- data 500 obs. of 10 variables
- data\_clean 500 obs. of 10 variables
- student 6607 obs. of 20 variables
- students 520 obs. of 6 variables
- students\_s 104 obs. of 6 variables

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28°C Mostly clear 20:25 24-11-2025