

SHETH L.U.J AND SIR M.V. COLLEGE

SUBJECT :- DATA ANALYSIS WITH SAS / SPSS / R

PRACTICAL – 5

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

OUTPUT:

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

Project: (None)

Source

Console Terminal Background Jobs

R - R 4.5.2 - ~/

```
> View(super)
> super <- read.csv("C:\\Users\\Rohit\\Downloads\\supermarket sales 2.csv")
> names(super) <- make.names(names(super))
> super_sorted_unitprice <- super |>
+   arrange(Unit.price)
> head(super_sorted_unitprice, 5)
#> #> #> #> #>
  Date Branch Customer.type Gender Product.line unit.price quantity
1 12/22/2024  Queens Member Male Food & Beverages 2.01 8
2 11/12/2024 Manhattan Normal Female Food & Beverages 2.05 6
3 12/11/2024 Brooklyn Member Female Food & Beverages 2.06 5
4 12/22/2024  Queens Member Female Food & Beverages 2.06 6
5 12/26/2024 Manhattan Member Female Food & Beverages 2.06 6
#> #> #> #> #>
  Payment Rating
1 Cash 3.9
2 Ewallet 8.1
3 Cash 8.2
4 Cash 9.7
5 Ewallet 7.4
> super_sorted_qty_desc <- super |>
+   arrange(desc(Quantity))
> head(super_sorted_qty_desc, 5)
#> #> #> #> #>
  Date Branch Customer.type Gender Product.line unit.price quantity
1 1/1/2024 Brooklyn Member Female Food & Beverages 84.63 10
2 1/1/2024  Queens Member Female Sports & Travel 36.98 10
3 1/1/2024 Manhattan Member Female Electronics 74.22 10
4 1/2/2024 Brooklyn Normal Female Health & Beauty 34.21 10
5 1/4/2024 Manhattan Member Female Home & Lifestyle 35.54 10
#> #> #> #> #>
  Payment Rating
1 Credit card 9.0
2 Credit card 7.0
3 Credit card 4.3
4 Cash 5.1
5 Ewallet 7.0
> super_multi_sort <- super |>
```

RStudio

File Edit Code View Plots Session Build Debug Profile Tools Help

Go to file/function Addins

Source

Console Terminal Background Jobs

R - R 4.5.2 . ~/

```
4   Cash    5.1
5   Ewallet  7.0
> super_multi_sort <- super %>
+   arrange(branch, desc(unit.price))
> head(super_multi_sort, 10)
```

	Date	Branch	Customer.type	Gender	Product.Tim	unit.price	Quantity
1	3/9/2024	Brooklyn	Member	Male	Sports & Travel	99.96	9
2	4/9/2024	Brooklyn	Member	Male	Sports & Travel	99.96	9
3	3/24/2024	Brooklyn	Normal	Male	Home & Lifestyle	99.92	6
4	2/26/2024	Brooklyn	Normal	Male	Fashion & Accs	99.89	2
5	4/22/2024	Brooklyn	Member	Male	Fashion & Accs	99.89	2
6	5/11/2024	Brooklyn	Member	Male	Health & Beauty	99.83	1
7	5/22/2024	Brooklyn	Member	Male	Food & Beverages	99.79	1
8	5/23/2024	Brooklyn	Normal	Female	Food & Beverages	99.78	4
9	3/2/2024	Brooklyn	Normal	Female	Electronics	99.73	9
10	2/26/2024	Brooklyn	Normal	Female	Health & Beauty	99.71	6

```
Payment Rating
1 Credit card 4.2
2 Credit card 4.2
3   Ewallet  7.1
4   Ewallet  7.1
5   Ewallet  7.1
6 Credit card 8.4
7   Ewallet  8.8
8   Ewallet  8.4
9 Credit card 6.5
10  Ewallet  7.9
> big_buyers_by_rating <- super %>
+   filter(Quantity > 5) |>
+   arrange(Rating)
> cat("Top 5 customers with quantity > 5 and lowest Rating:\n")
Top 5 customers with quantity > 5 and lowest Rating:
> print(big_buyers_by_rating |> select(Quantity, Rating, unit.price, Branch) |> head(5))
```

Quantity	Rating	Unit.price	Branch
5	7.9	99.71	Brooklyn
9	4.2	99.71	Brooklyn
9	4.2	99.71	Brooklyn
6	7.1	99.71	Brooklyn

ENG IN PDF R IN 24-11-2025 22:59

SUMEET JITENDRA YADAV

S124

SHETH L.U.J AND SIR M.V. COLLEGE

SUBJECT :- DATA ANALYSIS WITH SAS / SPSS / R



RStudio
File Edit Code View Plots Session Build Debug Profile Tools Help
Go to file/function Addins
Source
Console Terminal Background Jobs
R - R 4.5.2 - ~/
1 3/9/2024 Brooklyn Member Male Sports & Travel 99.96 9
2 4/9/2024 Brooklyn Member Male Sports & Travel 99.96 9
3 3/24/2024 Brooklyn Normal Male Home & Lifestyle 99.92 6
4 2/26/2024 Brooklyn Normal Male Fashion & Accs 99.89 2
5 4/22/2024 Brooklyn Member Male Fashion & Accs 99.89 2
6 5/11/2024 Brooklyn Member Male Health & Beauty 99.83 1
7 5/22/2024 Brooklyn Member Male Food & Beverages 99.79 1
8 5/23/2024 Brooklyn Normal Female Food & Beverages 99.78 4
9 3/2/2024 Brooklyn Normal Female Electronics 99.73 9
10 2/26/2024 Brooklyn Normal Female Health & Beauty 99.71 6
Payment Rating
1 Credit card 4.2
2 Credit card 4.2
3 Ewallet 7.1
4 Ewallet 7.1
5 Ewallet 7.1
6 Credit card 8.4
7 Ewallet 8.8
8 Ewallet 8.4
9 Credit card 6.5
10 Ewallet 7.9
> big_buyers_by_rating <- super ()
+ filter (quantity > 5) |>
+ arrange (Rating)
> cat ("Top 5 customers with quantity > 5 and lowest Rating:\n")
Top 5 customers with quantity > 5 and lowest Rating:
> print (big_buyers_by_rating |> select (Quantity, Rating, Unit.price, Branch) |> head (5))
Quantity Rating Unit.price Branch
1 7 3 98.07 Brooklyn
2 8 3 12.88 Manhattan
3 6 3 22.01 Brooklyn
4 7 3 14.12 Manhattan
5 7 3 9.54 Brooklyn
> |