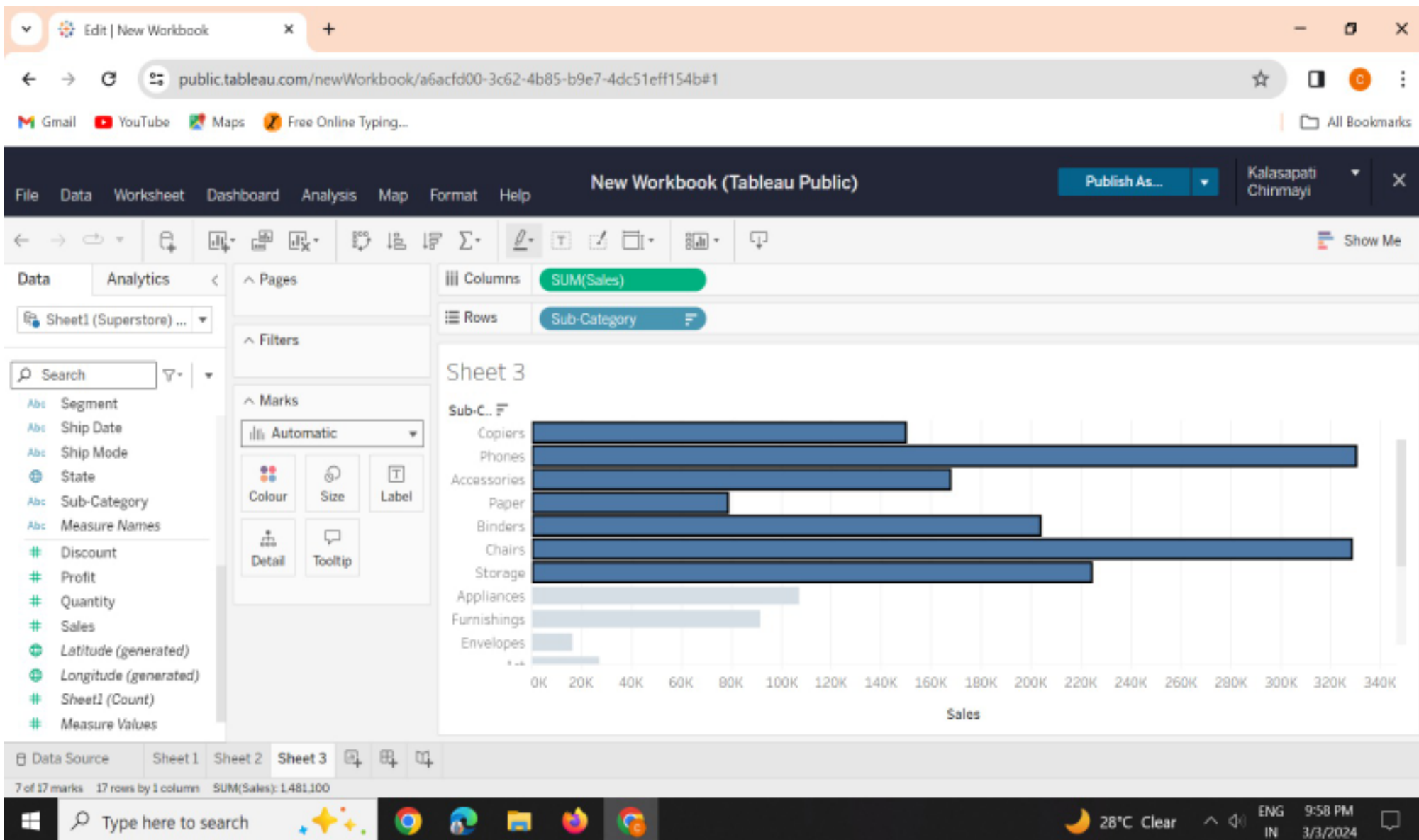


DATA ANALYTICS ASSIGNMENT-3

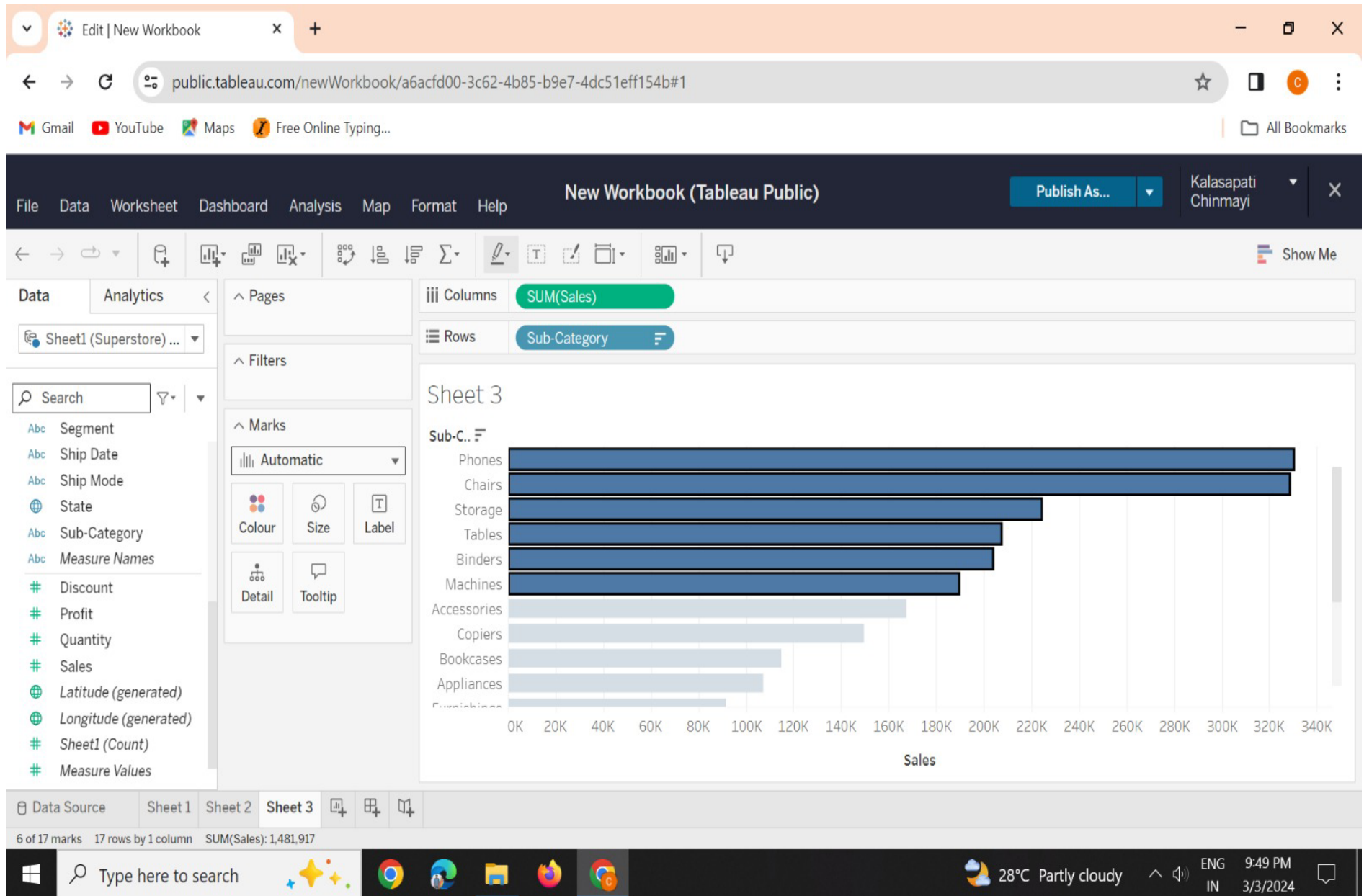
**T.Supraja
2071105**

**Sri padmavathi mahila
visvavidyalayam**

Defining 2 sets based on specific criteria



Defining 2 sets based on specific criteria



UNION

MySQL Workbench

Local instance MySQL80

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

college

Tables

Views

Stored Procedures

Functions

players

Tables

Views

Stored Procedures

Functions

sys

Query 1

Limit to 1000 rows

```
22 (2,'Ramesh',19),
23 (3,'Murali',21),
24 (4,'Venkat',18),
25 (5,'Anil',21);
26 select * from volleyball_players;
27 select * from football_players;
28 -- UNION
29 select*
30 from volleyball_players as v
31 right join football_players as f on v.player_name=f.player_name;
32
```

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Result Grid

	volleyball_id	player_name	age	football_id	player_name	age
	NULL	NULL	NULL	1	Balu	20
	2	Ramesh	19	2	Ramesh	19
	NULL	NULL	NULL	3	Murali	21
	4	Venkat	18	4	Venkat	18
	5	Anil	21	5	Anil	21

Administration Schemas

Information

Schema: sys

Output

Action Output

#	Time	Action	Message	Duration / Fetch
10	07:39:11	insert into volleyball_players(volleyball_id,player_name,age)values (1,'Suresh',21), (2,'Ramesh',19), (3,'Uday',20)...	Error Code: 1064. You have an error in your SQL syntax; check the manual that corresponds to your MySQL se...	0.000 sec
11	07:39:28	insert into volleyball_players(volleyball_id,player_name,age)values (1,'Suresh',21), (2,'Ramesh',19), (3,'Uday',20)...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.016 sec
12	07:41:09	insert into football_players(football_id,player_name,age)values (1,'Balu',20), (2,'Ramesh',19), (3,'Murali',21), (4,'V...	5 row(s) affected Records: 5 Duplicates: 0 Warnings: 0	0.000 sec
13	07:41:56	select * from volleyball_players LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
14	07:42:18	select * from football_players LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
15	07:46:09	select* from volleyball_players as v right join football_players as f on v.player_name=f.player_name LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec

Object info Session

Type here to search

07:47 04-03-2024

INTERSECTION

MySQL Workbench

Local instance MySQL80 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

college

players

Tables

football_players

volleyball_players

Views

Stored Procedures

Functions

sys

Query 1 x

Limit to 1000 rows

```
1 use players;
2 select * from volleyball_players;
3 select *
4 from volleyball_players
5 inner join football_players on volleyball_players.player_name=football_players.player_name;
```

Result Grid

volleyball_id	player_name	age	football_id	player_name	age
2	Ramesh	19	2	Ramesh	19
4	Venkat	18	4	Venkat	18
5	Aril	21	5	Aril	21

Result 6 x

Output

Action Output

#	Time	Action	Message	Duration / Fetch
5	12:54:39	select * from volleyball_players inner join football_players on volleyball_players.player_name=football_players.player_name	Error Code: 1054. Unknown column 'football_players.playername' in 'on clause'	0.000 sec
6	12:55:07	select * from volleyball_players LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
7	12:56:12	select * from volleyball_players inner join football_players on volleyball_players.player_name=football_players.player_name	Error Code: 1054. Unknown column 'football_players.playername' in 'on clause'	0.000 sec
8	12:57:21	select * from volleyball_players inner join football_players on volleyball_players.volleyball_id=football_players.football_id	5 row(s) returned	0.000 sec / 0.000 sec
9	12:57:34	select * from volleyball_players LIMIT 0, 1000	5 row(s) returned	0.000 sec / 0.000 sec
10	12:58:06	select * from volleyball_players inner join football_players on volleyball_players.player_name=football_players.player_name	3 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Read Only Context Help Snippets

Type here to search

13:02 04-03-2024

CREATING CALCULATION FIELD

Tableau - Book1 - Tableau license expires in 14 days

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard

Show Me

Data Analytics

Sample - Superstore

Search

Tables

- Manufacturer
- Product Name
- Profit (bin)
- Segment
- Ship Date
- Ship Mode
- Top Customers by Pr...
- Calculation1
- Calculation2
- Discount
- Profit
- Quantity
- Sales
- Orders (Count)

People

- Regional Manager
- People (Count)

Returns

- Returned
- Returns (Count)

Measure Names

- Calculation6

Parameters

- Profit Bin Size
- Top Customers

Pages

Measure Names

Columns

Measure Names

Rows

Product Name

Calculation5

Sheet 4

Product Name	Calculation5	Calculation6	Profit
1.7 Cubic Foot Comp...	Profitable	96	579
1/4 Fold Party Desig...	Profitable	11	23
3-ring staple pack	Profitable	3	17
3.6 Cubic Foot	Non Profitable	-460	-1,379
Counter Height Offic...	Profitable	253	507
3D Systems Cube Pri...	Profitable	1,859	3,718
3D Systems Cube	Non Profitable	-572	-572
Printer, 2nd Generat...	Profitable	104	104
3M Hangers With	Non Profitable	-1	-1
Command Adhesive	Profitable	5	37
3M Office Air Cleaner	Profitable	45	91
3M Organizer Strips	Non Profitable	-5	-14
	Profitable	6	24
3M Polarizing Light	Non Profitable	-8	-8
Filter Sleeves	Profitable	28	83
3M Polarizing Task L...	Profitable	142	570
3M Replacement	Non Profitable	-109	-109
Filter for Office Air C...	Profitable	29	88
6" Cubicle Wall Clock,	Non Profitable	-6	-6
Black	Profitable	11	32
9-3/4 Diameter Rou...	Profitable	23	183
12 Colored Short Pe...	Profitable	1	3
12-1/2 Diameter	Non Profitable	-20	-137
Round Wall Clock	Profitable	29	144
14-7/8 x 11 Blue Bar ...	Profitable	43	173
24 Capacity Maxi Da...	Profitable	134	537
24-Hour Round Wall ...	Profitable	30	180
36X48 HARDFLOOR	Non Profitable	-20	-61
CHAIRMAT	Profitable	7	21
50 Colored Long Pen...	Profitable	7	33
2300 Heavy-Duty	Non Profitable	-1	-3
Transfer File System...	Profitable	12	24
40000 UltraScribePen...	Non Profitable	9	9

1516 marks 2578 rows by 2 columns SUM of Measure Values: 336.406

33°C Mostly cloudy

Search

ENG IN

18:57 03-03-2024

CREATING CALCULATION FIELD

Tableau - Book1

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard

Show Me

Data Analytics

supermarket_sales - Sheet1

Search

Tables

- Branch
- City
- Customer type
- Date
- Gender
- Invoice ID
- Payment
- Product line
- Time
- Measure Names
- Cogs
- Gross Income
- Gross Margin Percentage
- Quantity
- Rating
- Rating Quantity
- Tax 5%
- Total
- Total Cogs
- Unit price
- Latitude (generated)
- Longitude (generated)
- supermarket_sales - Sheet1
- Measure Values

Filters

Measure Names

Marks

Automatic

Color Size Text

Detail Tooltip

Measure Values

SUM(Cogs)

SUM(Total)

AGG(Total Cogs)

Columns: Measure Names

Rows: Payment Customer type

Aggregate 2

Payment	Customer type	Cogs	Total	Total Cogs
Cash	Member	52,058	54,661	₹ 106,719.13
Cash	Normal	54,805	57,546	₹ 112,350.84
Credit card	Member	55,020	57,771	₹ 112,791.92
Credit card	Normal	40,948	42,996	₹ 83,943.79
Ewallet	Member	49,325	51,791	₹ 101,115.68
Ewallet	Normal	55,431	58,202	₹ 113,632.77

Data Source Sheet 1 Aggregate Aggregate 2

18 marks 6 rows by 3 columns SUM of Measure Values: 1.261.108

20:17 03-03-2024

QUICK TABLE CALCULATION -RANK

Tableau - Book2 - Tableau license expires in 14 days

Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Columns: Measure Names

Rows: Category, Sub-Category

Filters: Measure Names

Marks: Automatic

Measure Values: SUM(Profit)

rank

Category	Sub-Category	Profit	Rank of ...
Furniture	Bookcases	-3,632	3
	Chairs	27,224	1
	Furnishings	13,892	2
	Tables	-17,753	4
Office Supplies	Appliances	18,329	4
	Art	6,653	6
	Binders	31,426	2
	Envelopes	6,988	5
	Fasteners	2,429	8
	Labels	5,573	7
	Paper	34,512	1
	Storage	21,285	3
	Supplies	-1,171	9
Technology	Accessories	41,937	3
	Copiers	56,094	1
	Machines	3,462	4
	Phones	45,051	2

For scatter plots try

0 or more Dimensions

2 to 4 Measures

17 rows by 2 columns SUM of Measure Values: 292,362

29°C Partly cloudy

Search

20:21 03-03-2024

QUICK TABLE CALCULATION - PERCENTILE

Tableau - Book2 - Tableau license expires in 14 days

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard

Show Me

Data Analytics

Sample - Superstore

Search

Tables

- Orders
 - Customer Name
 - Location
 - Country/Region
 - Region
 - State/Province
 - City
 - Postal Code
 - Order Date
 - Order ID
 - Product
 - Category
 - Sub-Category
 - Manufacturer
 - Product Name
 - Profit (bin)
 - Segment
 - Ship Date
 - Ship Mode
 - Top Customers by Pr...
 - Discount
 - Profit
 - Quantity
 - Sales

Parameters

- Profit Bin Size
- Top Customers

Columns: Measure Names

Rows: Category, Sub-Category

Filters: Measure Names

Marks: Automatic

Measure Values: SUM(Sales), SUM(Sales)

percentile

Category	Sub-Catego..	Percentile of S..	Sales
Furniture	Bookcases	50.00%	115,361
	Chairs	100.00%	335,768
	Furnishings	37.50%	95,598
	Tables	81.25%	208,020
Office Supplies	Appliances	43.75%	108,213
	Art	18.75%	27,659
	Binders	75.00%	207,355
	Envelopes	12.50%	16,528
	Fasteners	0.00%	8,532
	Labels	6.25%	12,695
	Paper	31.25%	79,541
Technology	Storage	87.50%	224,645
	Supplies	25.00%	46,725
	Accessories	62.50%	167,380
	Copiers	56.25%	150,745
	Machines	68.75%	189,925
	Phones	93.75%	331,843

For scatter plots try

0 or more Dimensions

2 to 4 Measures

34 marks 17 rows by 2 columns SUM of Measure Values: 2,326,543

29°C Partly cloudy

20:21 03-03-2024

QUICK TABLE CALCULATION - MOVING AVERAGE

Tableau - Book2 - Tableau license expires in 14 days

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Standard

Sample - Superstore

Search

Tables

- Orders
 - Customer Name
 - Location
 - Country/Region
 - Region
 - State/Province
 - City
 - Postal Code
 - Order Date
 - Order ID
 - Product
 - Category
 - Sub-Category
 - Manufacturer
 - Product Name
 - Profit (bin)
 - Segment
 - Ship Date
 - Ship Mode
 - Top Customers by Pr...
 - Discount
 - Profit
 - Quantity
 - Sales

Parameters

- Profit Bin Size
- Top Customers

Columns: Measure Names

Rows: YEAR(Order Date) QUARTER(Order Date)

Filters: Measure Names

Marks: Automatic

Color Size Text

Detail Tooltip

Measure Values

Measure Values

- SUM(Sales)
- SUM(Sales)

moving average

Year of O...	Quarter ...	Moving Aver...	Sales
2021	Q1	75,972	75,972
	Q2	89,285	89,285
	Q3	145,535	145,535
	Q4	183,249	183,249
2022	Q1	70,392	70,392
	Q2	89,239	89,239
	Q3	130,449	130,449
	Q4	182,912	182,912
2023	Q1	94,840	94,840
	Q2	136,809	136,809
	Q3	145,539	145,539
	Q4	236,745	236,745
2024	Q1	125,289	125,289
	Q2	134,991	134,991
	Q3	198,184	198,184
	Q4	287,104	287,104

For scatter plots try

0 or more Dimensions

2 to 4 Measures

32 marks 16 rows by 2 columns SUM of Measure Values: 4,653,069

29°C Partly cloudy

Search

ENG IN

20:20 03-03-2024

QUICK TABLE CALCULATION -PERCENT DIFFERENCE

Tableau - Book2 - Tableau license expires in 14 days

File Data Worksheet Dashboard Story Analysis Map Format Server Window Help

Search

Data Analytics

Sample - Superstore

Tables

- Orders
 - Customer Name
 - Location
 - Country/Region
 - Region
 - State/Province
 - City
 - Postal Code
 - Order Date
 - Order ID
 - Product
 - Category
 - Sub-Category
 - Manufacturer
 - Product Name
 - Profit (bin)
 - Segment
 - Ship Date
 - Ship Mode
 - Top Customers by Pr...
- Discount
- Profit
- Quantity
- Sales

Parameters

- Profit Bin Size
- Top Customers

Columns Measure Names

Rows MONTH(Order Date)

Filters Measure Names

Marks Automatic

Color Size Text

Detail Tooltip

Measure Values

SUM(Sales)

SUM(Sales)

percent difference

Month of Or., % Difference in Sa...	Sales
January	96,070
February	-37.80% 59,751
March	252.58% 210,672
April	-34.45% 138,099
May	14.96% 158,765
June	-3.34% 153,460
July	-2.91% 149,002
August	8.60% 161,822
September	90.88% 308,884
October	-32.94% 207,126
November	70.27% 352,666
December	-6.37% 330,218

24 marks 12 rows by 2 columns SUM of Measure Values: 2,326,538

29°C Partly cloudy

Search

ENG IN

20:20 03-03-2024