DHV EXPERIMENT 6

Name: vedant Murai
Roll no: D 64

1)) Aim:
Using Tableau and show how calculated fields are created, show what are Table Calculations in Tableau and how they affect the visuals in the canvas, create sets and groups and show the differences between them.

2) Solution:-

1) Created a Table Calculation named ‘Percent of total Sales’ and plotted a bar graph with Category and SubCategory as Column fields.
2) Create two calculated fields named ‘Day to ship’ and ‘Profit Per Order’ and plot it by subcategories on a quarterly basis.
3) Used set ‘Top Customers By Profit’ to plot a pie chart.
4) Created a group named ‘Discount Groups’ containing two members ‘Low Discount’ and ‘High Discount’ Plotted it against the ‘Customer Name’ field.
5) Both graphs of sets and groups plotted separately help us to see the difference between them.

3) Attach ss of your work like dashboard,etc.

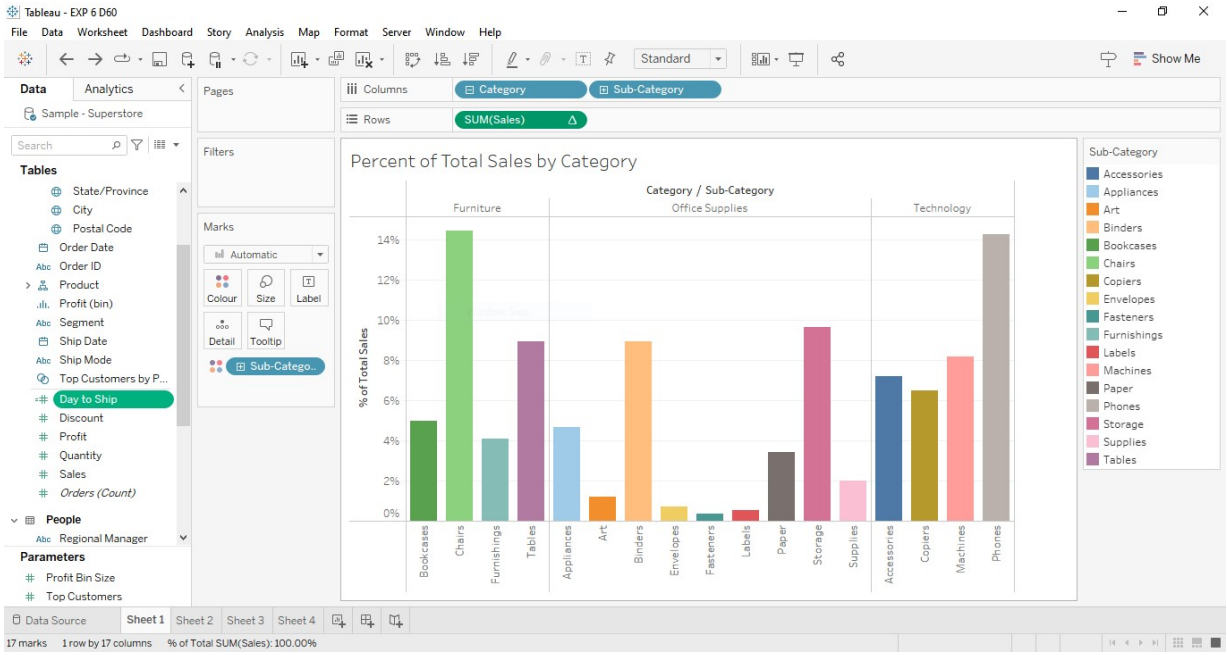
Tableau - EXP 6 D60
File Data Worksheet Dashboard Story Analysis Map Format Server Window Help
Standard
Show Me
Data
Analytics
Sample - Superstore
Search
Tables
State/Province
City
Postal Code
Order Date
Order ID
Product
Profit (bin)
Segment
Ship Date
Ship Mode
Top Customers by P...
Day to Ship
Discount
Profit
Quantity
Sales
Orders (Count)
People
Regional Manager
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
Automatic
Colour
Size
Label
Detail
Tooltip
Sub-Catego...
Columns
Category
Sub-Category
Rows
SUM(Sales)
Percent of Total Sales by Category
Category / Sub-Category
Furniture
Office Supplies
Technology
% of Total Sales
14%
12%
10%
8%
6%
4%
2%
0%
Bookcases
Chairs
Furnishings
Tables
Appliances
Art
Binders
Envelopes
Fasteners
Labels
Paper
Storage
Supplies
Accessories
Copiers
Machines
Phones
Sub-Category
Accessories
Appliances
Art
Binders
Bookcases
Chairs
Copiers
Envelopes
Fasteners
Furnishings
Labels
Machines
Paper
Phones
Storage
Supplies
Tables
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
17 marks
1 row by 17 columns
% of Total SUM(Sales): 100.00%

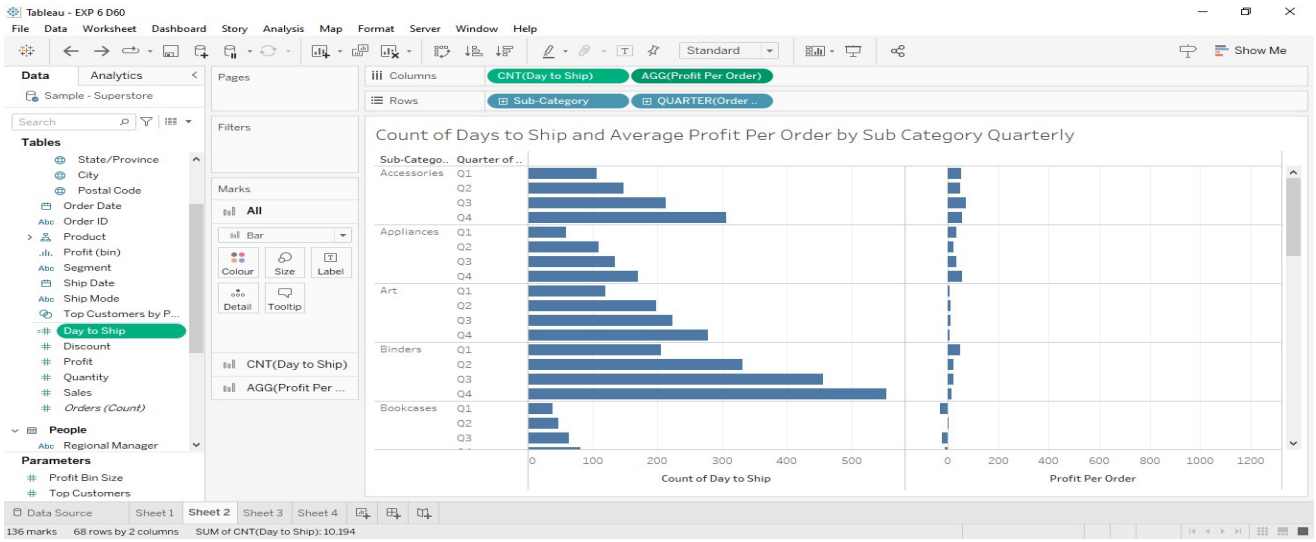
Tableau - EXP 6 D60
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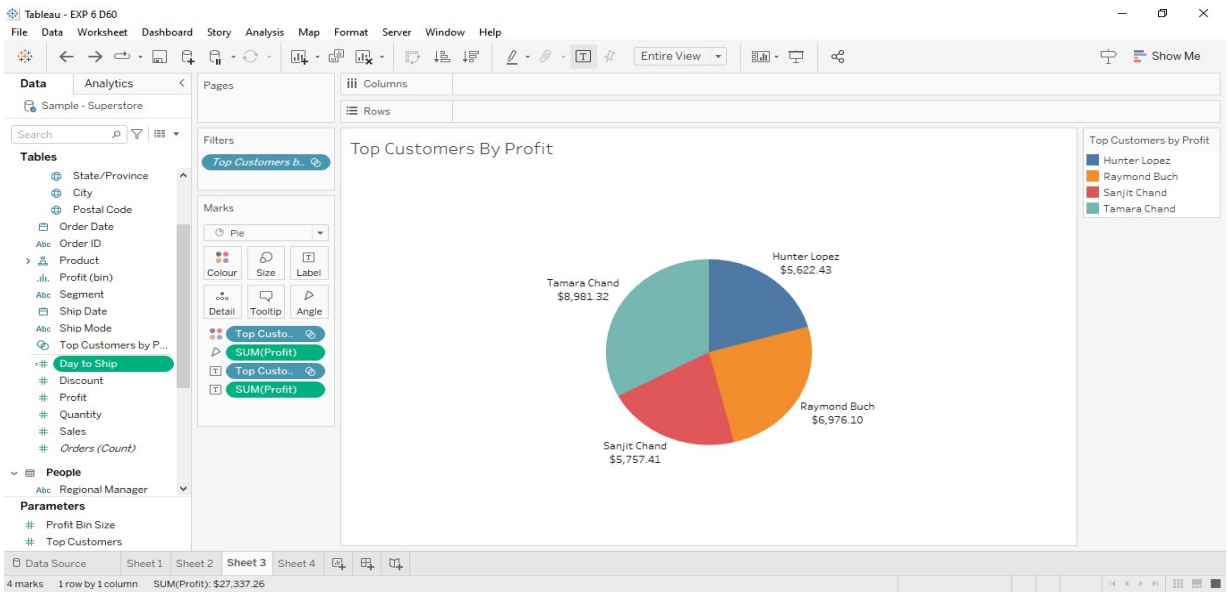
Data Analytics
Sample - Superstore
Tables
State/Province
City
Postal Code
Order Date
Order ID
Product
Profit (bin)
Segment
Ship Date
Ship Mode
Top Customers by P...
Day to Ship
Discount
Profit
Quantity
Sales
Orders (Count)
People
Regional Manager
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Marks
All
Bar
Colour
Size
Label
Detail
Tooltip
CNT(Day to Ship)
AGG(Profit Per ...
Columns
CNT(Day to Ship)
AGG(Profit Per Order)
Rows
Sub-Category
QUARTER(Order ...
Count of Days to Ship and Average Profit Per Order by Sub Category Quarterly
Sub-Catego..
Quarter of ...
Accessories
Appliances
Art
Binders
Bookcases
Q1
Q2
Q3
Q4
0
100
200
300
400
500
Count of Day to Ship
0
200
400
600
800
1000
1200
Profit Per Order
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
136 marks
68 rows by 2 columns
SUM of CNT(Day to Ship): 10,194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Sample - Superstore
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State/Province
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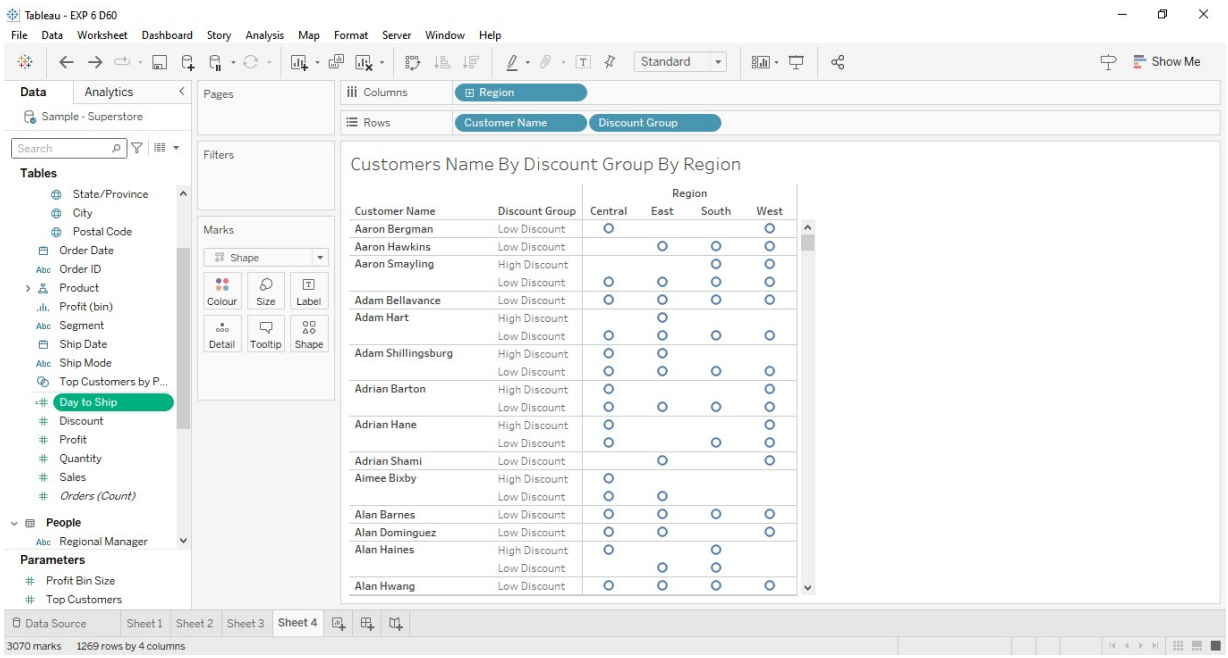
Top Customers by P...
Day to Ship
Discount
Profit
Quantity
Sales
Orders (Count)
People
Regional Manager
Parameters
Profit Bin Size
Top Customers
Pages
Filters
Top Customers b..
Marks
Pie
Colour
Size
Label
Detail
Tooltip
Angle
Top Custo..
SUM(Profit)
Top Custo..
SUM(Profit)
Columns
Rows
Top Customers By Profit
Hunter Lopez
$5,622.43
Tamara Chand
$8,981.32
Raymond Buch
$6,976.10
Sanjit Chand
$5,757.41
Top Customers by Profit
Hunter Lopez
Raymond Buch
Sanjit Chand
Tamara Chand
Data Source
Sheet 1
Sheet 2
Sheet 3
Sheet 4
4 marks
1 row by 1 column
SUM(Profit): $27,337.26



5) Conclusion:

Tableau's calculated fields, table calculations, sets, and groups provide powerful tools for data analysis and visualization. These features allow users to derive new metrics, perform dynamic calculations, and group data based on specific criteria.