Power BI

Advanced Visuals, Power Query & Dashboard Projects

More Visual Elements

Advanced Visuals

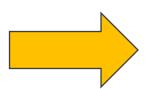
- Animated Charts
- Advanced Donut Chart
- Drill Down Column Chart
- Sankey Chart
- Infographic
- Play Axis
- Scroller
- SunBurst Chart
- Histogram

Advanced Visuals

- Insert Objects
 - Images
 - Buttons
 - Page Navigations
 - Bookmarks

Power Query Project

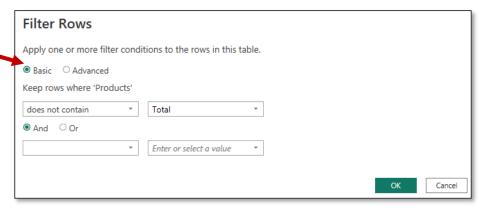
4	А	В	С	D	Е	F	G				
1											
2			ZenF	Retail Food Pre	p Overview						
3											
4	Location	Products	January-22	February-22	March-22	April-22	Grand Total				
5	Costco	Bottled Water	\$4.25	\$4.49	\$4.80	\$4.89	\$18.43				
6	Costco	Canned Vegetables	\$0.85	\$0.85	\$0.85	\$0.85	\$3.40				
7	Costco	Dried Beans	\$20.99	\$22.99	\$22.99	\$23.99	\$90.96				
8	Costco	Duct Tape	\$5.00		\$5.25		\$10.25				
9	Costco	Flashlight	\$13.00		\$13.00		\$26.00				
10	Costco	Milk	\$2.30	\$2.40	\$2.50	\$2.70	\$9.90				
11	Costco	Rice	\$23.00	\$23.99	\$24.99	\$25.25	\$97.23				
12	Costco	Rope	\$13.50		\$14.00		\$27.50				
13	Costco	Water Filter	\$29.00		\$31.00		\$60.00				
14		Costco Total	\$111.89	\$54.72	\$119.38	\$57.68	\$343.67				
15	Target	Bottled Water	\$4.99	\$5.15	\$5.25	\$5.35	\$20.74				
16	Target	Canned Vegetables	\$0.65	\$0.69	\$0.74	\$0.79	\$2.87				
17	Target	Dried Beans	\$23.99	\$24.99	\$25.45	\$25.79	\$100.22				
18	Target	Duct Tape	\$6.00		\$6.25		\$12.25				
19	Target	Flashlight	\$12.50		\$12.75		\$25.25				
20	Target	Milk	\$2.20	\$2.45	\$2.70	\$3.00	\$10.35				
21	Target	Rice	\$22.99	\$23.25	\$24.25	\$24.75	\$95.24				
22	Target	Rope	\$15.00		\$15.25		\$30.25				
23	Target	Water Filter	\$38.00		\$39.00		\$77.00				
24		Target Total	\$126.32	\$56.53	\$131.64	\$59.68	\$374.17				
25	Walmart	Bottled Water	\$5.00	\$5.25	\$5.45	\$5.75	\$21.45				
26	Walmart	Canned Vegetables	\$0.65	\$0.75	\$0.85	\$1.00	\$3.25				
27	Walmart	Dried Beans	\$22.99	\$23.99	\$24.25	\$24.49	\$95.72				
28	Walmart	Duct Tape	\$5.00		\$5.50		\$10.50				
29	Walmart	Flashlight	\$10.00		\$11.00		\$21.00				
30	Walmart	Milk	\$2.00	\$2.10	\$2.40	\$2.90	\$9.40				
31	Walmart	Rice	\$25.00	\$25.75	\$26.99	\$26.99	\$104.73				
32	Walmart	Rope	\$14.00	-	\$14.50		\$28.50				
33	Walmart	Water Filter	\$39.00		\$39.00		\$78.00				
34		Walmart Total	\$123.64	\$57.84	\$129.94	\$61.13	\$372.55				
35		Grand Total	\$361.85	\$169.09	\$380.96	\$178.49	\$1,090.39				



Power Query & Clean Data

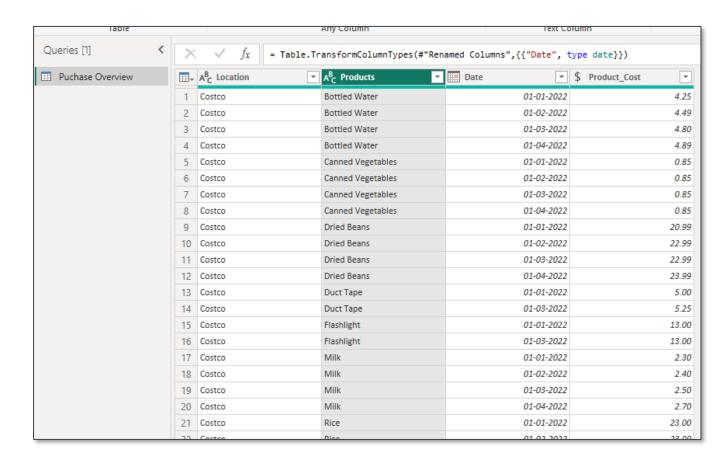
Transformation Steps - 1

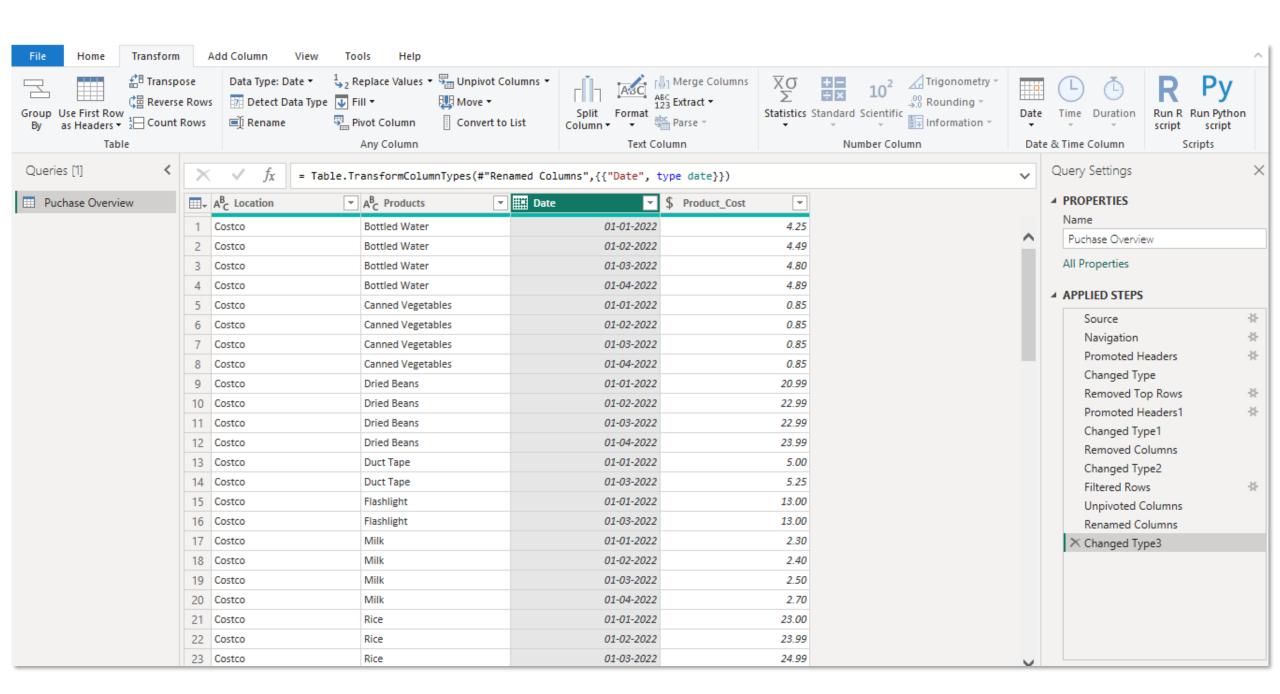
- 1. Use Excel Connector to connect to "ZenRetail____Power Query Editor____Project.XLSX" file.
- 2. Choose "Purchase Overview" worksheet. View the sample data. Click "Transform Data".
- 3. Power Query Editor with Launch and you can see the new query and data.
- 4. Get Rid of Top 2 Rows, as they are of no use. From Home Tab -> Select Remove Rows -> Remove Top Rows. Select 2 Rows to remove
- 5. Now check, Column Headers are in First Row. From Transform Tab choose "Use First Row as Header".
- Check the amount types in columns, they are not standardized. Right Click on the Icon in header and choose "Fixed Decimal Number".
- 7. Now to remove the null value / Total values from rows you can
 - 1. Click on the Down Arrow Icon in the Location Column Header and Uncheck Null Values. Or
 - 2. Click on the Down Arrow Icon in the Products Column, Select "Text Filters", the choose "Does Not Contain", Enter the value "Total" and select "OK".



Transformation Steps -2

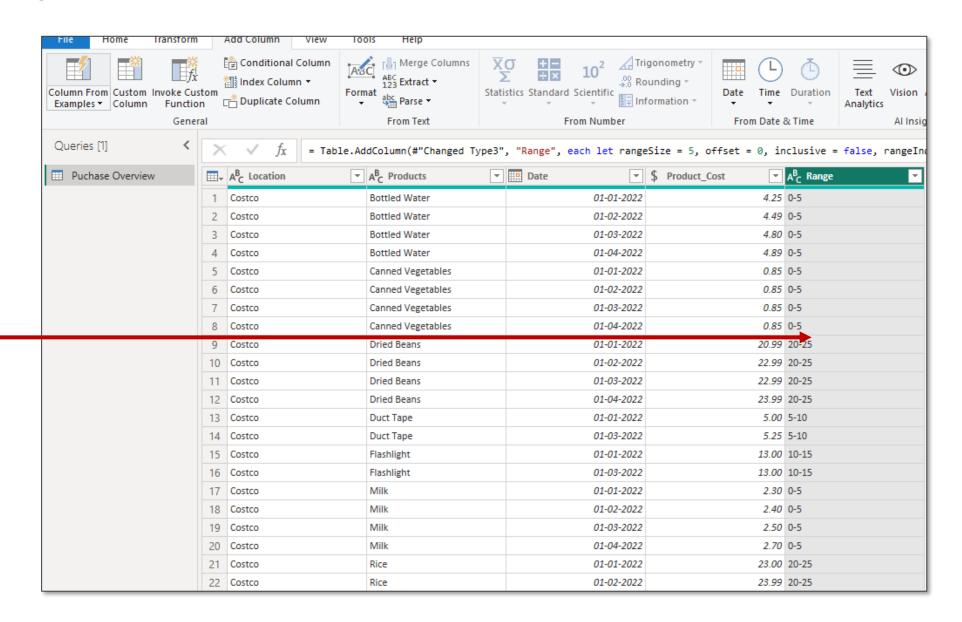
- 1. Now we need to Unpivot the Amount Columns. Select the four columns which have a date as column name.
- 2. From Transformation Tab Click on "Unpivot Columns".
- 3. Now the Data looks perfect for loading into Power BI for creating Visualization.
- 4. Rename the Column and Change the Date column data type.
- 5. Click on "Close and Apply" to load Data in Power BI.





Buckets or Bins

- Select the Product_Cost Column, then select Add Column Tab.
- 2. Select "Column From Examples" and then select "From Selection".
- A new column is added.
- 4. Add the typical range for top columns and Power BI will smartly add ranges for the rest of columns.



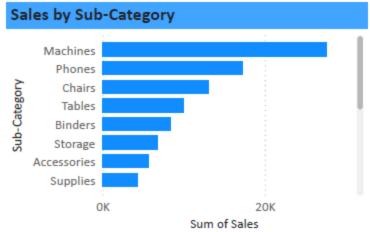


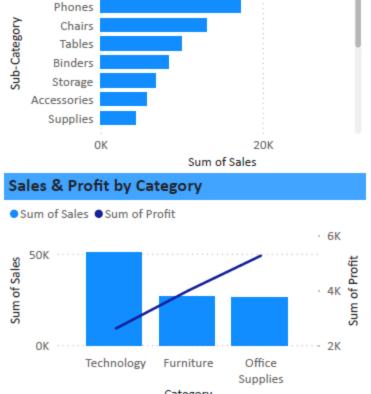
Superstore Analysis

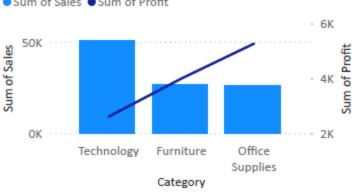
- 1. Overview
- 2. Financial Analysis
- 3. Product Analysis
- 4. Category & Sub-Category Data Analysis
- 5. Regional Data Analysis
- **6. Customer Analysis**
- 7. Segment Analysis
- 8. Orders Analysis
- 9. ShipMode Data Analysis
- **10. Delivery Data Analysis**
- 11. Analyze Different Dimensions Performance on Date & Time

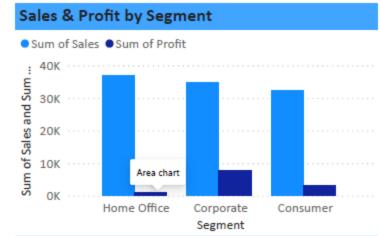
2019	2020	2021	2022		Central	East	South	West	
------	------	------	------	--	---------	------	-------	------	--

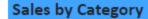
Category	Sales	Profit
☐ Furniture	26,942.75	3,996.48
Bookcases	794.28	164.71
Chairs	13,072.28	2,304.71
Furnishings	3,135.25	419.06
Tables	9,940.94	1,107.99
$\ ^{\boxminus}$ Office Supplies	25,958.88	5,271.31
Appliances	2,119.72	489.79
Art	566.13	133.75
Binders	8,307.45	2,420.10
Envelopes	251.85	107.50
Fasteners	165.79	50.91
Labels	401.04	169.61
Paper	3,184.58	1,338.83
Storage	6,715.01	462.23
Supplies	4,247.31	98.60
☐ Technology	5 0,918.96	2,607.23
Accessories	5,595.29	1,685.73
Copiers	479.98	90.00
Machines	27,594.73	-3,254.21
nl	17 240 00	4 005 71
Total	1,03,820.60	11,875.02

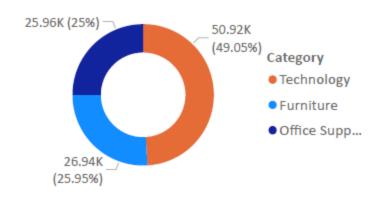




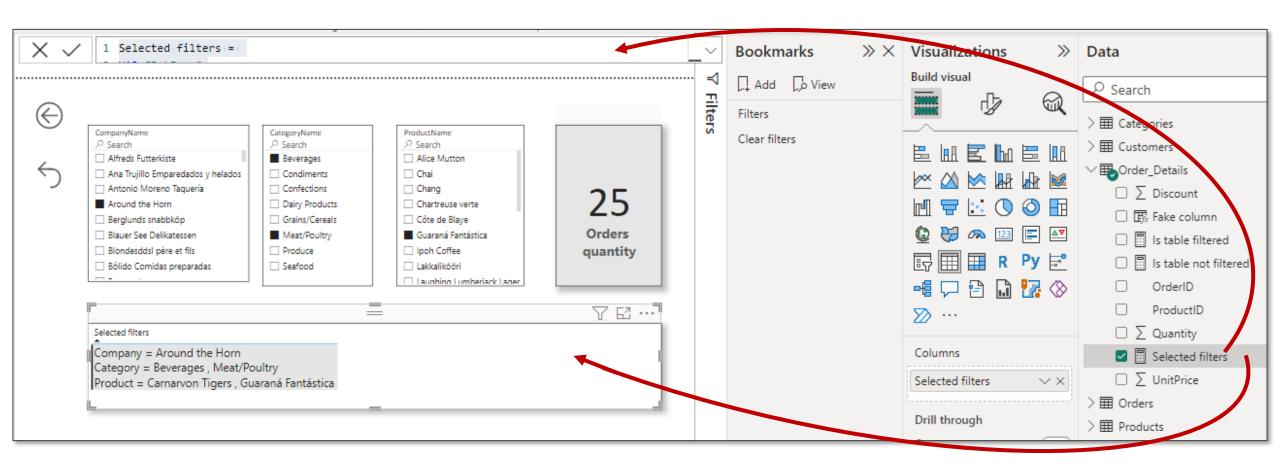








Display Selected Filters (Using DAX Code)



```
Selected filters =
VAR CR LF = "
    " // This is a simple carriage return
VAR Company = IF(ISFILTERED(Customers[CompanyName]) ,
                "Company = " & CONCATENATEX(ALLSELECTED(Customers[CompanyName]) ,
Customers[CompanyName] , " , ") & CR LF , "")
VAR Category = IF(ISFILTERED(Categories[CategoryName]) ,
                "Category = " & CONCATENATEX(ALLSELECTED(Categories[CategoryName]),
Categories[CategoryName] , " , ") & CR LF , "")
VAR Product = IF(ISFILTERED(Products[ProductName]) ,
                "Product = " & CONCATENATEX(ALLSELECTED(Products[ProductName]) ,
Products[ProductName] , " , ") & CR LF , "")
RETURN Company & Category & Product
```

Interesting Perspective on Superstore Data Analysis



Years (All)

Sales and Profit

SUPERSTORE Orders Analysis



Total Orders 5,009



Products 1,862



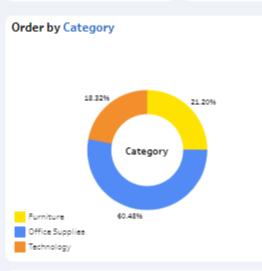
Quantity **37,873**



Avg to Ship

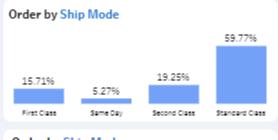


Avg Discount 15.62%

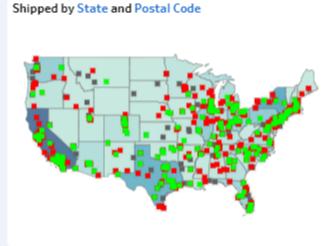


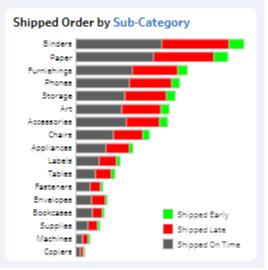












Superstore Dashboard

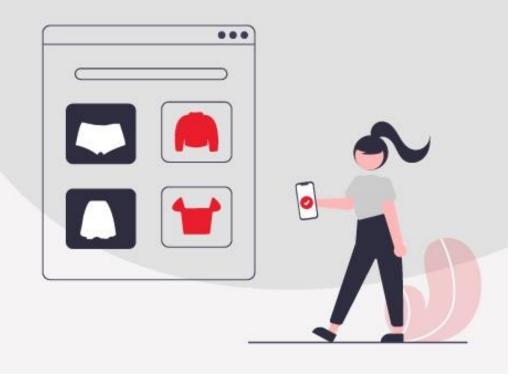
Hey, Datafam!

Let's have a look at the superstore indicators and the opportunities it has to be optimized.

Description

The Superstore Dashboard provides us an overview about information of the most recent orders and the principal metrics of them.

In addition, much of this information can be detailed by the filters placed in the navbar. Have a better understanding by interacting with these filters and use your insights to plan some management strategy to optimize these data.



\$733.2k

Total Sales

\$93.4k

Total Profit

12.5k

Total Quantity

5518

Total Discount

Superstore | OVERVIEW

Last Update: 12/30/2021

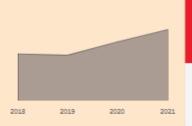


\$733.2k

Total Sales

▼\$34.6k

vs. Previous Month

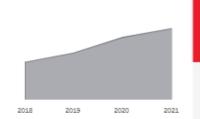


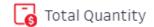


\$93.4k

▼ \$1.2k

vs. Previous Month

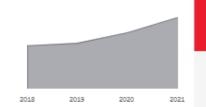


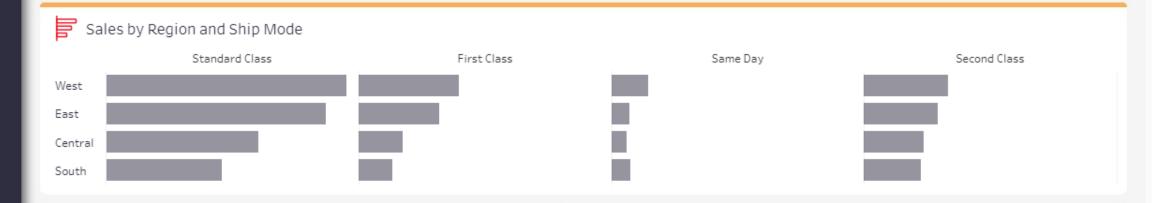


12.5k

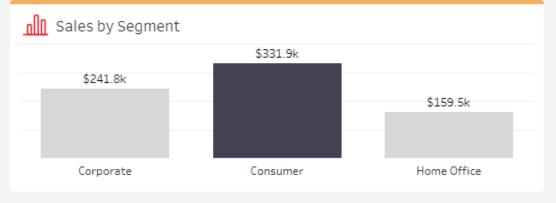
▼117

vs. Previous Month







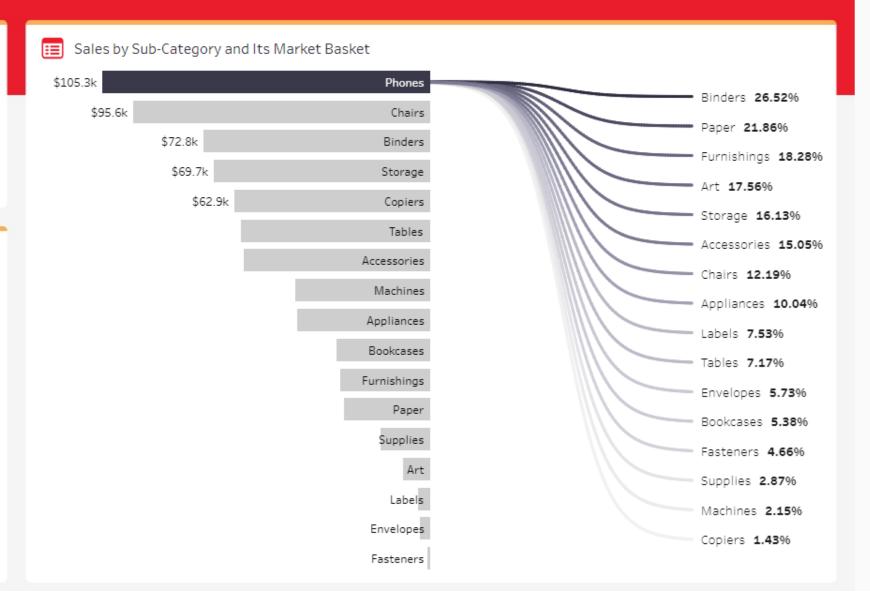








■ Top 5 Products	
Canon imageCLASS 2200 Advanced Copier	\$35,700
GBC DocuBind TL300 Electric Binding System	\$10,943
Hewlett Packard LaserJet 3310 Copier	\$9,240
Martin Yale Chadless Opener Electric Letter Opener	\$11,826
Samsung Galaxy Mega 6.3	\$9,240



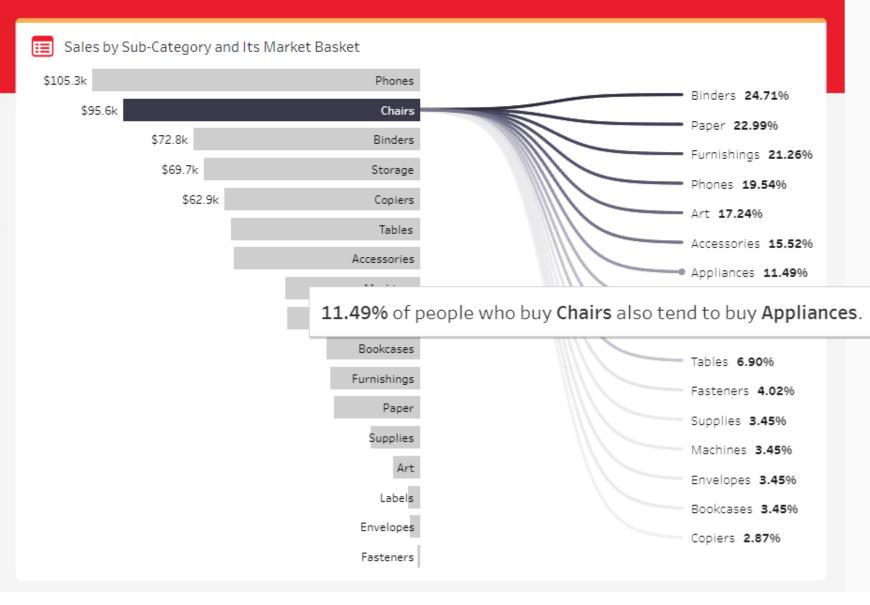
Superstore | PRODUCT ANALYSIS

Last Update: 12/30/2021





Top 5 Products	
Canon imageCLASS 2200 Advanced Copier	\$35,700
GBC DocuBind TL300 Electric Binding System	\$10,943
Hewlett Packard LaserJet 3310 Copier	\$9,240
Martin Yale Chadless Opener Electric Letter Opener	\$11,826
Samsung Galaxy Mega 6.3	\$9,240





Superstore | REGIONAL ANALYSIS



Top 1 City

New York City

Sales of \$86,940 and It represents 11.86% of total.

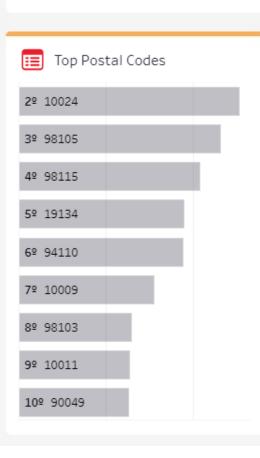


Top 1 Postal Code

10035

Sales of \$33,365 and It represents 4.55% of total.









Superstore | ORDER DETAILS

_		_
	_	•
	_	•

Details

Order ID	Customer Name	Order Date	Ship Date	Ship Mode	Sales	Profit	Profit Ratio	Discount	Quantity
CA-2021-100013	Zuschuss Carroll	11/6/2021	11/11/2021	Standard Class	\$30	\$12.22	41.1%	\$0.00	5
CA-2021-100055	Michael Dominguez	5/28/2021	6/1/2021	Standard Class	\$153	\$46.17	30.3%	\$0.00	5
CA-2021-100097	Michael Nguyen	11/26/2021	11/29/2021	Second Class	\$1,115	\$302.47	27.1%	\$0.00	10
CA-2021-100111	Seth Vernon	9/20/2021	9/26/2021	Standard Class	\$7,360	\$1,571.80	21.4%	\$0.60	52
CA-2021-100160	Cassandra Brandow	9/7/2021	9/11/2021	Standard Class	\$50	\$16.96	34.1%	\$0.60	11
CA-2021-100223	Linda Southworth	7/5/2021	7/10/2021	Standard Class	\$396	-\$359.80	-90.8%	\$2.60	28
CA-2021-100230	Allen Armold	12/11/2021	12/15/2021	Standard Class	\$150	\$42.36	28.3%	\$0.20	6
CA-2021-100237	Stuart Van	10/15/2021	10/19/2021	Standard Class	\$12	\$4.20	36.0%	\$0.00	2
CA-2021-100314	Ann Steele	9/29/2021	10/5/2021	Standard Class	\$372	\$56.90	15.3%	\$0.80	9
CA-2021-100335	Nicole Fjeld	9/7/2021	9/13/2021	Standard Class	\$73	\$26.47	36.3%	\$0.20	9
CA-2021-100356	Susan Pistek	10/21/2021	10/25/2021	Standard Class	\$24	-\$62.38	-260.0%	\$0.80	2
CA-2021-100384	Nicole Hansen	6/24/2021	7/1/2021	Standard Class	\$421	\$123.64	29.3%	\$0.00	17
CA-2021-100412	Sharelle Roach	12/22/2021	12/26/2021	Standard Class	\$142	\$35.49	25.0%	\$0.00	2
CA-2021-100426	Dan Campbell	6/4/2021	6/8/2021	Standard Class	\$12	\$5.62	45.0%	\$0.00	2
CA-2021-100433	Sanjit Jacobs	8/11/2021	8/16/2021	Standard Class	\$26	\$12.44	48.0%	\$0.00	4
CA-2021-100524	Chad McGuire	3/31/2021	4/2/2021	Second Class	\$782	\$220.23	28.1%	\$0.00	13
CA-2021-100580	Michael Kennedy	8/13/2021	8/20/2021	Standard Class	\$36	\$11.71	32.5%	\$0.20	3
CA-2021-100601	Jay Kimmel	11/16/2021	11/20/2021	Standard Class	\$49	\$0.98	2.0%	\$0.00	7
CA-2021-100615	Sarah Jordon	4/20/2021	4/24/2021	Standard Class	\$347	-\$20.76	-6.0%	\$1.10	10
CA-2021-100622	Dave Kipp	11/3/2021	11/7/2021	Standard Class	\$1,031	\$316.94	30.7%	\$1.30	8

<<

1

2



(AII)

Filter Menu

=



Year	
2021	•
Month	
(AII)	•
Region	
(AII)	•
State	
(AII)	•
City	
(AII)	•
Segment	
(AII)	•
Category	
(AII)	•
Sub-Category	
(AII)	▼
Ship Mode	

Last Update: 12/30/2021

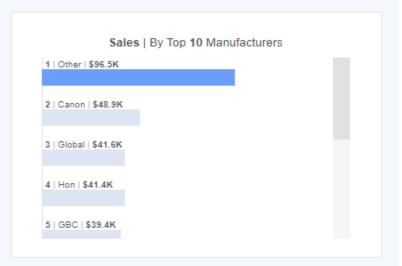
rder Date	Ship Date	Ship Mode	Sales	Profit	Profit Ratio	Discount	Quantity
/28/2021	10/4/2021	Standard Class	\$9	\$4.44	48.0%	\$0.00	3
0/22/2021	10/27/2021	Standard Class	\$177	-\$120.51	-68.0%	\$0.50	5
/24/2021	3/25/2021	Same Day	\$13	\$0.96	7.5%	\$0.20	2
1/25/2021	12/1/2021	Standard Class	\$5	\$1.34	26.0%	\$0.00	2
/23/2021	4/26/2021	First Class	\$30	\$10.36	34.1%	\$0.40	5
/19/2021	8/23/2021	Standard Class	\$2	-\$3.90	-170.0%	\$0.80	2
0/3/2021	10/8/2021	Standard Class	\$171	-\$6.42	-3.8%	\$0.20	3
2/11/2021	12/15/2021	Standard Class	\$63	\$21.48	33.9%	\$0.20	6
2/1/2021	12/6/2021	Standard Class	\$628	\$41.88	6.7%	\$0.20	21
1/24/2021	11/28/2021	Standard Class	\$11	\$2.57	23.8%	\$0.20	3
28/2021	3/6/2021	Standard Class	\$18	\$8.22	46.7%	\$0.00	3
2/18/2021	12/19/2021	First Class	\$52	\$23.56	45.3%	\$0.00	10
/13/2021	7/17/2021	Standard Class	\$374	\$99.94	26.7%	\$0.00	4
2/20/2021	12/26/2021	Standard Class	\$364	\$171.44	47.1%	\$0.20	11
/1/2021	5/6/2021	Standard Class	\$3,741	-\$457.73	-12.2%	\$0.85	11
/2/2021	9/4/2021	Second Class	\$12	\$3.95	33.8%	\$0.20	2
1/30/2021	12/4/2021	Standard Class	\$2	\$0.83	35.0%	\$0.20	2
23/2021	9/25/2021	Second Class	\$213	\$70.20	33.0%	\$0.00	7
/13/2021	6/16/2021	First Class	\$683	-\$120.47	-17.6%	\$0.70	13
2/2/2021	12/6/2021	Standard Class	\$1,379	\$80.44	5.8%	\$0.40	15

<< < 1 2 **3** 4 5 >>>

Welcome, Amit Prabhash!







Profit

Orders

Sales









EXPORT





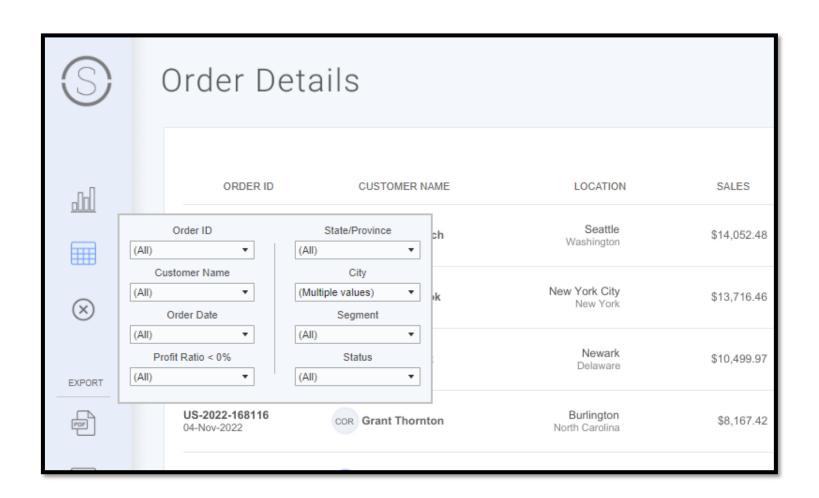


Order Details

					Consumer	Corporate
ORDER ID	CUSTOMER NAME	LOCATION	SALES	PROFIT RATIO	QUANTITY	STATUS
US-2022-140151 23-Mar-2022	CON Raymond Buch	Seattle Washington	\$14,052.48	47.9%	9	Complete
US-2022-127180 22-Oct-2022	HO Tom Ashbrook	New York City New York	\$13,716.46	33.5%	18	Pending
US-2022-166709 17-Nov-2022	CON Hunter Lopez	Newark Delaware	\$10,499.97	48.0%	3	Pending
US-2022-168116 04-Nov-2022	COR Grant Thornton	Burlington North Carolina	\$8,167.42	-46.8%	6	Pending
US-2022-100111 20-Sep-2022	CON Seth Vernon	New York City New York	\$7,359.92	21.4%	52	Pending
US-2022-138289 16-Jan-2022	CON Andy Reiter	Jackson Michigan	\$5,802.70	44.8%	14	Complete
US-2022-143112 05-Oct-2022	COR Todd Sumrall	New York City New York	\$5,509.14	25.4%	10	Pending
US-2022-135909 13-Oct-2022	COR Jane Waco	Sacramento California	\$5,325.88	36.4%	13	Pending



EXPORT



SUPERSTORE

Dashboard

STATE ANALYSIS

CUSTOMER REPORT

Monthly Regional Profit Summary

• = negative profit in selected month

Select Target Month
1/1/2019 ▼

EAST Total profit \$91,523



Total profit \$39,706

\$2,866 selected month

V from prior: \$7,281



SOUTH Total profit

\$46,749

\$710 selected month
▼ from prior: \$1,749



WEST Total profit

\$108,418

\$3,208 selected month

Very from prior: \$3,327



East Region Analysis

Sales & Profit Ratio, by State

Month of 1/1/2019

State (select)	Quantity	y Sales		Profit			Profit Ratio
Pennsylvania	25		\$3.6K	-\$55		-1.5%	
New York	17	\$0.8K			\$198		24.7%
Vermont	9	\$0.6K			\$196		30.8%
Ohio	13	\$0.2K		-\$26		-10.6%	
District of Columbia	8	\$0.1K		\$35			45.1%
Massachusetts	2	\$0.0K		\$6			46.0%
Connecticut	2	\$0.0K		\$1			29.0%

Sales vs. Profit, by Product Subcategory

State: None

Sub-Category	Quantity						
Accessories	12						
Appliances	12						
Art	7	į.					
Binders	3						
Chairs	6						
Envelopes	1						
Furnishings	8						
Labels	2						
Paper	17						
Phones	8						
		\$0	\$500	\$1,000	\$1,500	\$2,000	\$2,500



REPORT





EXPORT







INFO



FOLLOW





Executive Summary







Close

OrderID	Customer Info	Quantity	Shipping Status
US-2022-100111 20-Sep-2022	Seth Vernon New York City • East	52	Pending
US-2021-105732 13-Sep-2021	Alejandro Grove Omaha • Central	46	Complete
US-2022-117457 08-Dec-2022	Keith Herrera San Francisco • West	46	Pending
US-2021-165330 11-Dec-2021	William Brown Anaheim • West	43	Complete
US-2022-140949 17-Mar-2022	Denny Blanton New York City • East	43	Complete
US-2021-145177 10-Nov-2021	Paul Prost Springfield • East	42	Complete
US-2021-103674 06-Dec-2021	Anne Pryor Los Angeles • West	41	Complete
US-2021-108504 05-Feb-2021	Paul Prost Smyrna • South	41	Complete
US-2022-157987 02-Sep-2022	Ann Chong New York City • East	40	Pending



Hello, Amit Prabhash!

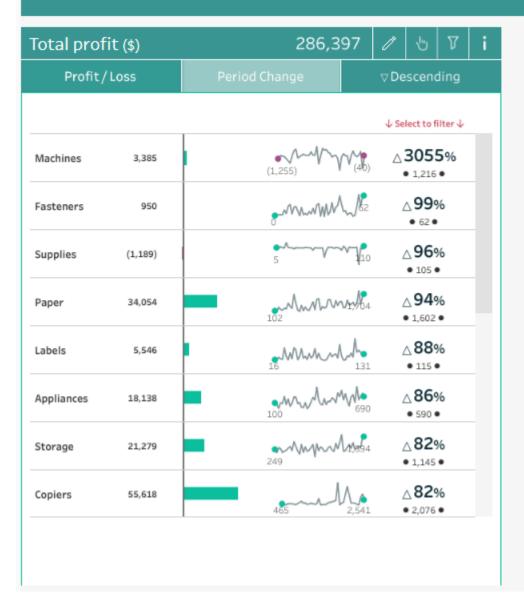
Signed In Sunday, May 21, 2023



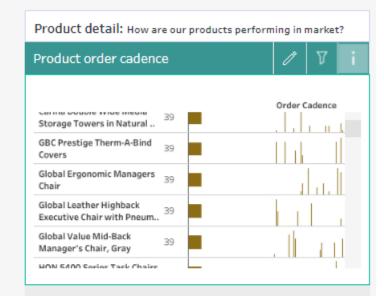




Company Profitability











KPIs





EXECUTIVE SALES OVERVIEW 2023





☑ Order Details



Controls

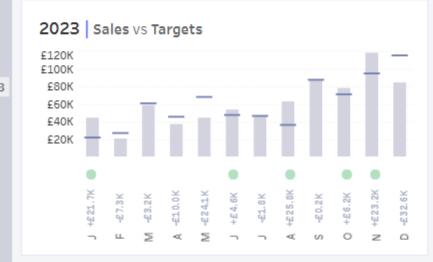
Select Year

2021 2022 2023

Set Sales Target (PY + X%)

+ 20%

Sales Target has been reached.







California £146,388

New York £93,923

Washington £65,540

Texas £43,422

5 Pennsylvania £42,688







Connect



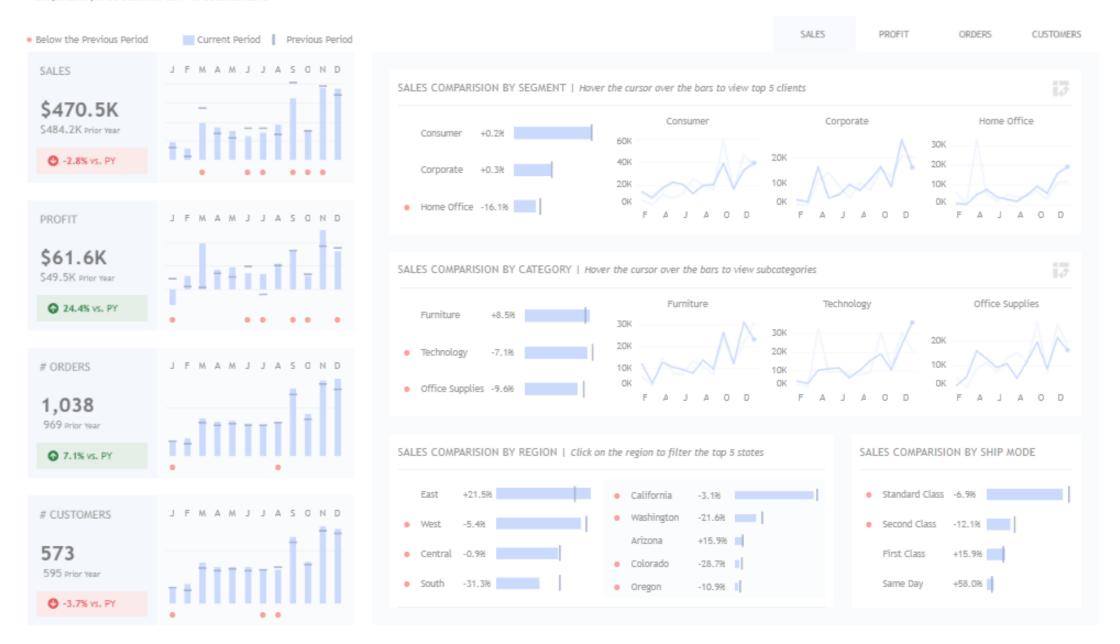


Created by: Serena Purslow

SUPERSTORE PERFORMANCE - EXECUTIVE SUMMARY

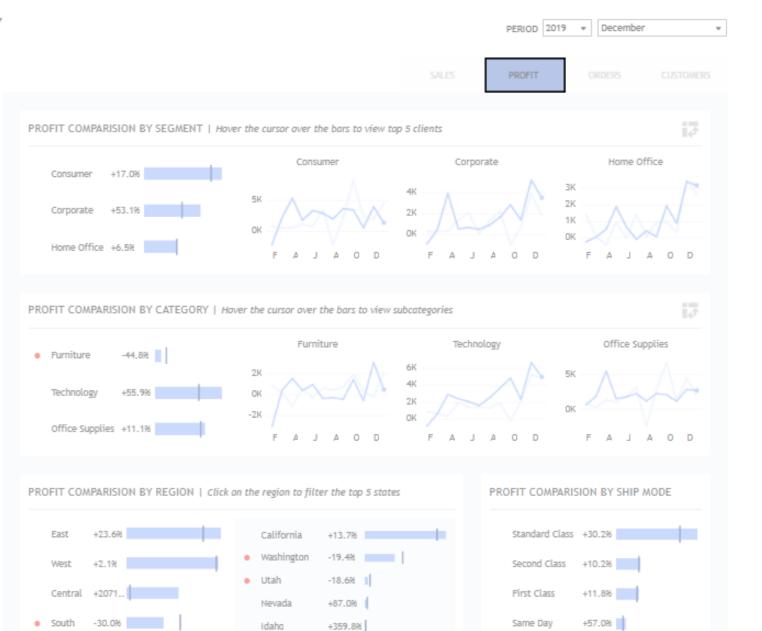
Comparasion period December 2019 vs. December 2018

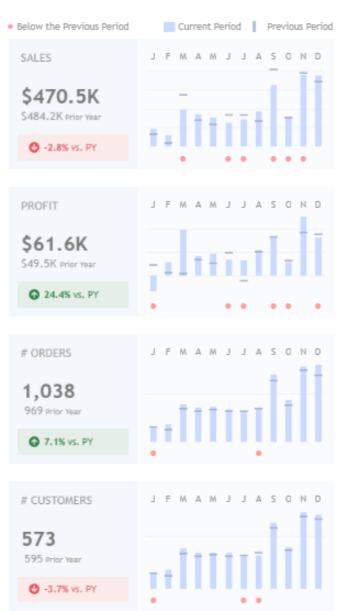




SUPERSTORE PERFORMANCE - EXECUTIVE SUMMARY

Comparasion period December 2019 vs. December 2018





SUPERSTORE PERFORMANCE - EXECUTIVE SUMMARY PERIOD 2019 December Ψ Comparasion period December 2019 vs. December 2018 ORDERS Current Period Previous Period Below the Previous Period J F M A M J J A S O N D SALES ORDERS COMPARISION BY SEGMENT | Hover the cursor over the bars to view top 5 clients \$470.5K Home Office Consumer Corporate \$484.2K Prior Year +2.1% Consumer 30 80 -2.8% vs. PY 60 20 Corporate +8.7% Home Office +20.9% Α 0 D Д Δ 0 D PROFIT J F M A M J J A S O N D \$61.6K ORDERS COMPARISION BY CATEGORY | Hover the cursor over the bars to view subcategories \$49.5K Prior Year Furniture Technology Office Supplies @ 24.4% vs. PY Furniture +5.1% 60 Technology +16.2% # ORDERS J F M A M J J A S O N D 20 20 Office Supplies +4.3% 0 D Д 0 D 1,038 969 Prior Year ORDERS COMPARISION BY REGION | Click on the region to filter the top 5 states ORDERS COMPARISION BY SHIP MODE 6 7.1% vs. PY Standard Class +8.5% +13.4% California East +4.196 J F M A M J J A S O N D # CUSTOMERS Washington +4.4% +8.0% Second Class +8.4% West +4.0% Arizona 573 Central +1.7% First Class -1.4% Colorado +66.7% 595 Prior Year +3.0% South Same Day +10.4% +36.4% Oregon O -3.7% vs. PY

SUPERSTORE PERFORMANCE - EXECUTIVE SUMMARY PERIOD 2019 w December w Comparasion period December 2019 vs. December 2018 Below the Previous Period Current Period Previous Period SALES J F M A M J J A S O N D CUSTOMERS COMPARISION BY SEGMENT | Hover the cursor over the bars to view top 5 clients \$470.5K Home Office Consumer Corporate \$484.2K Prior Year Consumer -5.1% 80 30 O -2.8% vs. PY 60 20 Corporate -7.8% 40 20 Home Office +7.6% Α O D 0 D 0 D PROFIT J F M A M J J A S O N D \$61.6K CUSTOMERS COMPARISION BY CATEGORY | Hover the cursor over the bars to view subcategories \$49.5K Prior Year Office Supplies Furniture Technology @ 24.4% vs. PY -0.3% Furniture 60 +10.4% Technology 50 # ORDERS J F M A M J J A S O N D 20 Office Supplies -1.4% O D 0 D 1,038 969 Prior Year CUSTOMERS COMPARISION BY REGION | Click on the region to filter the top 5 states CUSTOMERS COMPARISION BY SHIP MODE 7.1% vs. PY East +7.9% California +2.296 Standard Class -0.5% # CUSTOMERS J F M A M J J A S O N D Washington +4.5% +2.6% Second Class +2.996Arizona +8.3% 573 Central -1.596First Class +0.896Colorado +66.7% 595 Prior Year +10.6% South -0.696Same Day +27.3% Oregon O -3.7% vs. PY

S

SUPERSTORE SALES INSIGHTS -2018-



Region (AII)

(All)

City
(All)

• • • current year • previous year

1

 Segment
 Ship

 (AII)
 ▼

Ship Mode (All) ▼ Category Sub-Category

All

(All)

TOTAL SALES

\$1.1M

▲ 20% YoY

TOTAL CUSTOMERS

693

▲996 YOY

SALES PER CUSTOMERS

\$1.6K

▲ 1196 YoY



PROFIT PROFIT RATIO

\$93.4K

8%

▼29% from target



Dashboard filters >

REGION

West: \$375.2K (32%)

East: \$319.6K(30%)

Central: \$220.6K (22%)

South: \$184.4K (17%)

SEGMENT

Consumer: \$497.9K (51%)

Corporate: \$362.8K (31%)

Home Office: \$239.2K (19%)

🕭 click to filter | ctrl+click to select multiple bars | re-click or esc to deselect

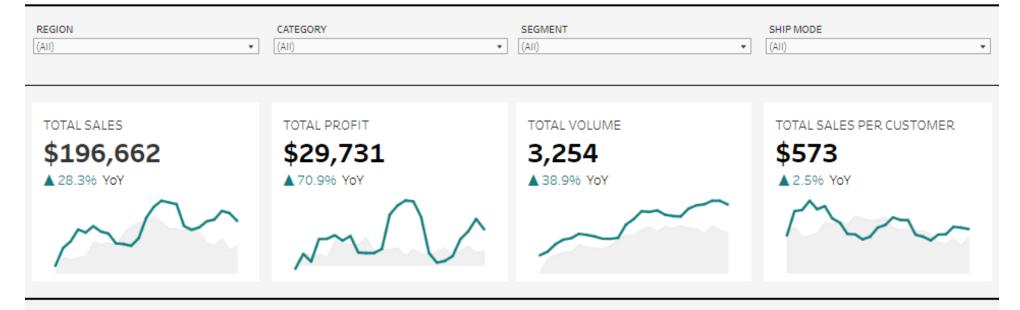
CATEGORY

Technology: \$407.6K (36%)

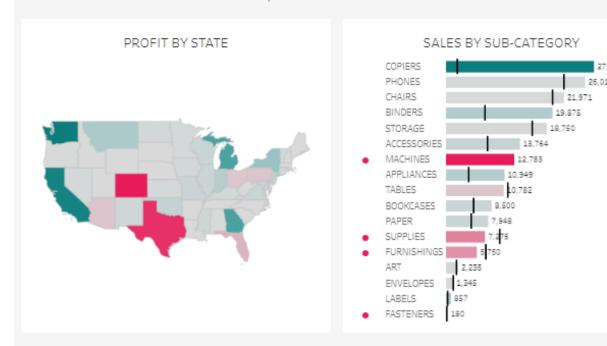
Furniture: \$323.1K (32%)

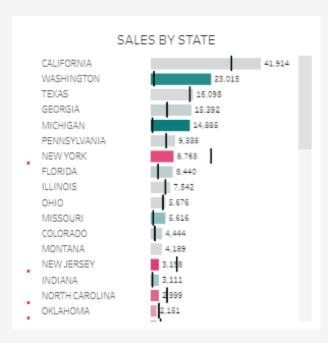
Office Supplies: \$369.1K (31%)

SUPERSTORE KEY PERFORMANCE INDICATORS



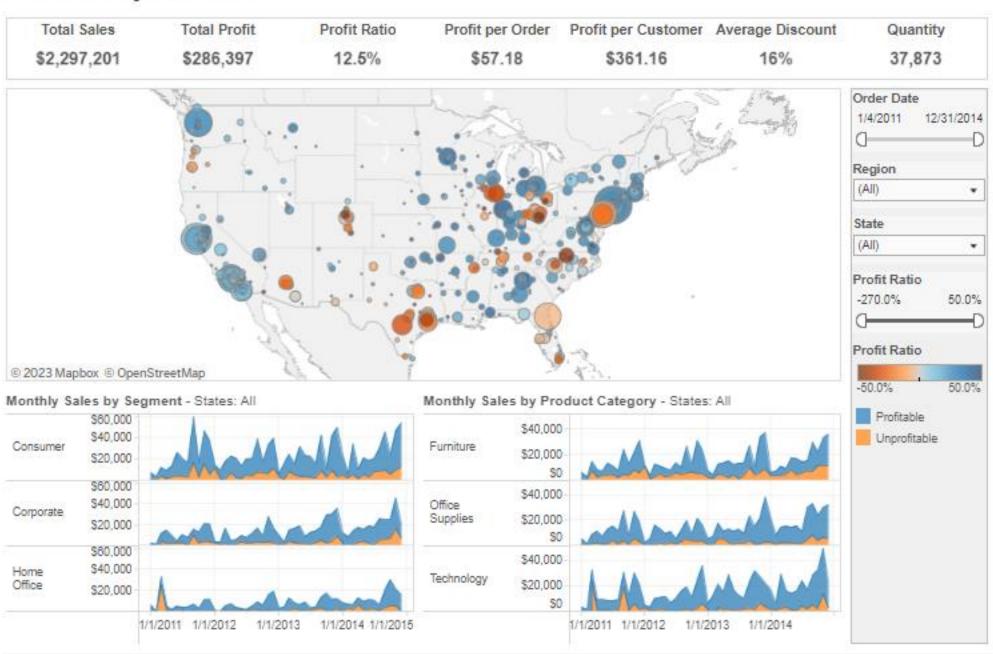
YEAR-TO-DATE VS. PRIOR YEAR | CLICK TO FILTER





Overview Product Shipping Performance Order Details

Profitability Overview



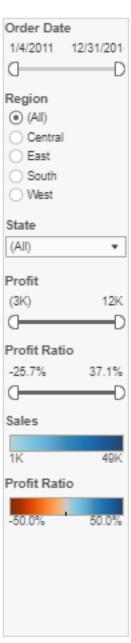
Product Drilldown

Sales by Product Category

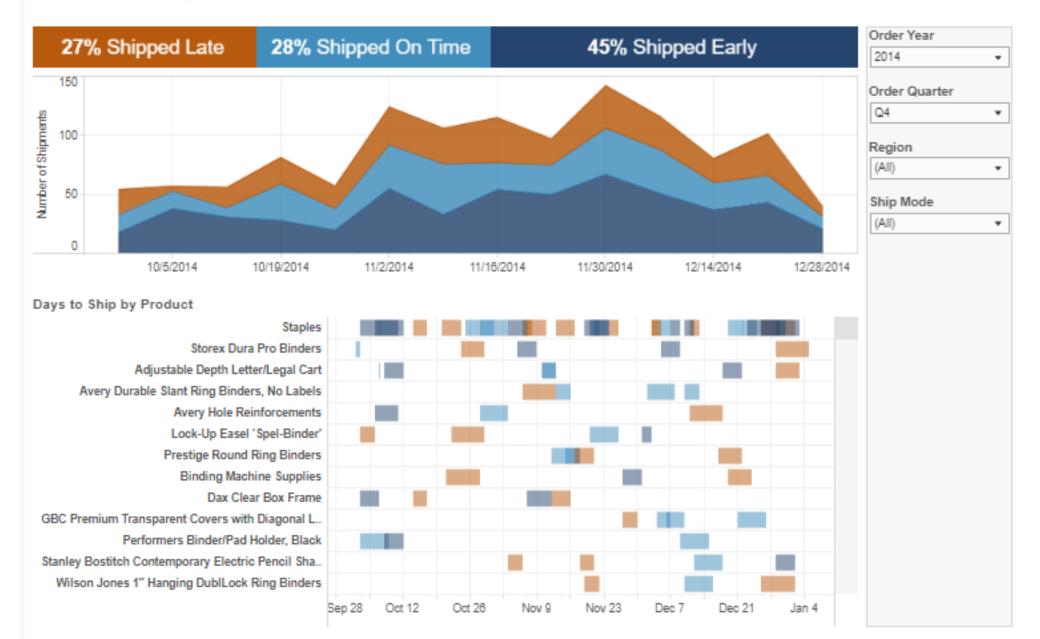
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Furniture	2011	6K	2K	15K	8K	7K	13K	11K	7K	24K	12K	22K	31K
	2012	12K	3K	12K	10K	9K	8K	14K	10K	26K	12K	31K	23K
	2013	8K	4K	12K	13K	15K	12K	13K	14K	27K	10K	34K	37K
	2014	6K	7K	11K	9K	17K	17K	14K	15K	30K	22K	33K	36K
Office	2011	5K	1K	9K	11K	7K	13K	15K	11K	27K	7K	27K	18K
Supplies	2012	2K	5K	16K	13K	9K	11K	5K	12K	19K	9K	21K	16K
	2013	5K	7K	17K	11K	13K	11K	13K	9K	23K	15K	21K	38K
	2014	22K	7K	14K	15K	14K	15K	11K	30K	33K	23K	30K	32K
Technology	2011	3K	2K	33K	9K	10K	8K	8K	9K	31K	12K	30K	21K
	2012	5K	3K	10K	11K	12K	6K	10K	16K	19K	11K	24K	36K
	2013	6K	12K	21K	15K	29K	17K	13K	10K	23K	32K	27K	22K
	2014	17K	6K	29K	16K	14K	16K	24K	17K	28K	33K	49K	23K

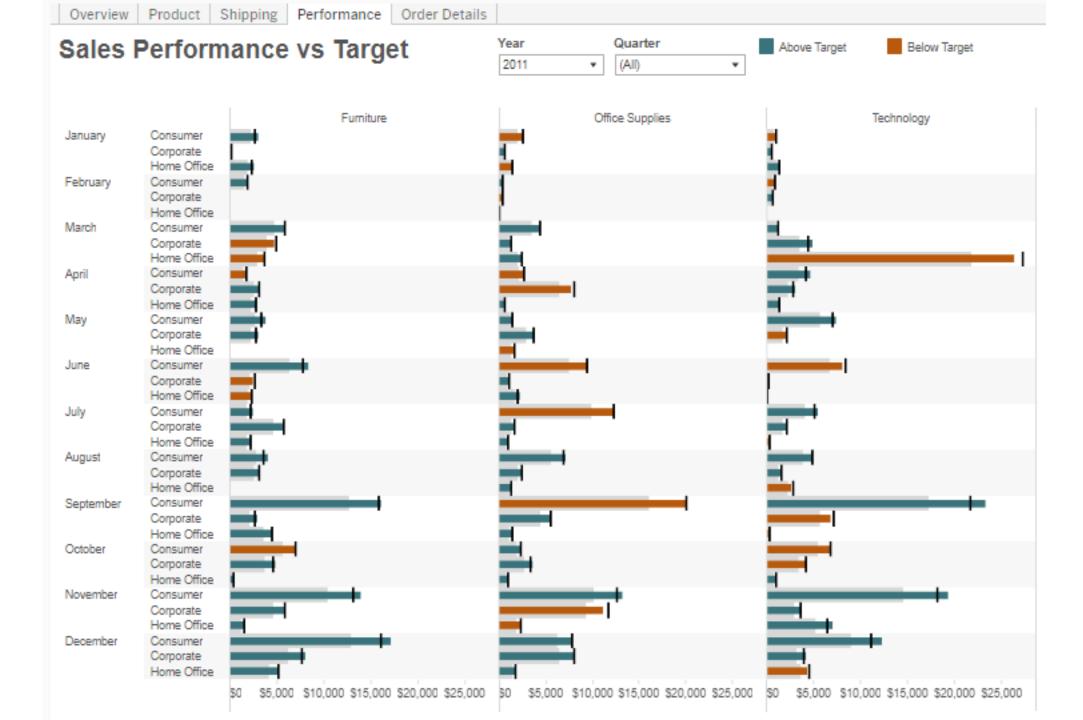
Sales and Profit by Product Names - Year: All, Month: All, Product Category: All





On-Time Shipment Trends



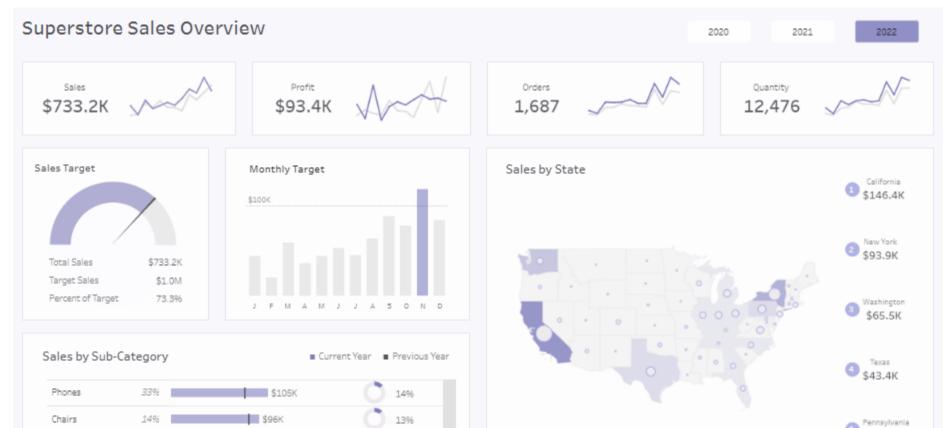


Overview Product Shipping Performance Order Details

Order Details

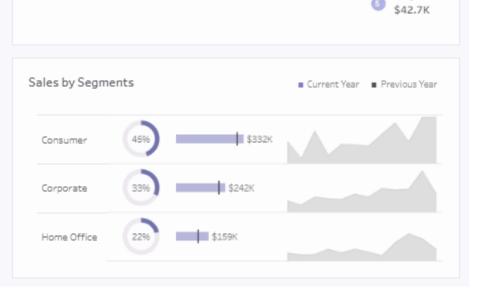
Order Date		Region	State		City	,	Category		Segment	
1/4/2011	12/31/2014	(All)	(All)	•	(All) •	(All)	*	(All)	*
<u> </u>	D									

Order ID	Customer Name	Order Date	Ship Date	Ship Mode	Total	Quan	Sum	Total	Profit	Days	Days.
CA-2011-100006	Dennis Kane	9/7/2011	9/13/2011	Standard Class	\$378	3	0%	\$110	29.0%	6	(
CA-2011-100090	Ed Braxton	7/8/2011	7/12/2011	Standard Class	\$699	9	40%	(\$19)	-2.7%	12	
CA-2011-100293	Neil Französisch	3/14/2011	3/18/2011	Standard Class	\$91	6	20%	\$32	35.0%	6	
CA-2011-100328	Jasper Cacioppo	1/29/2011	2/4/2011	Standard Class	\$4	1	20%	\$1	33.8%	6	
CA-2011-100363	Jim Mitchum	4/8/2011	4/15/2011	Standard Class	\$21	5	40%	\$8	36.1%	12	14
CA-2011-100391	Barry Weirich	5/25/2011	5/29/2011	Standard Class	\$15	2	0%	\$7	46.0%	6	
CA-2011-100678	Kunst Miller	4/18/2011	4/22/2011	Standard Class	\$697	11	90%	\$62	8.9%	24	1
CA-2011-100706	Laurel Elliston	12/16/2011	12/18/2011	Second Class	\$129	8	0%	\$18	13.7%	6	
CA-2011-100762	Nat Gilpin	11/24/2011	11/29/2011	Standard Class	\$509	11	0%	\$219	43.1%	24	2
CA-2011-100860	Cindy Stewart	3/26/2011	3/30/2011	Second Class	\$19	5	0%	\$9	48.0%	3	
CA-2011-100867	Eugene Hildebrand	10/19/2011	10/24/2011	Standard Class	\$322	6	20%	\$20	6.3%	6	
CA-2011-100881	Daniel Raglin	3/28/2011	4/1/2011	Standard Class	\$302	3	20%	\$23	7.5%	6	
CA-2011-100895	Stewart Visinsky	6/2/2011	6/6/2011	Standard Class	\$605	7	0%	\$177	29.2%	18	1
CA-2011-100916	Frank Hawley	10/21/2011	10/26/2011	Standard Class	\$789	10	0%	\$123	15.6%	18	1
CA-2011-100972	Dennis Bolton	11/19/2011	11/24/2011	Second Class	\$166	3	0%	\$80	48.0%	3	
CA-2011-101147	Matt Collins	12/2/2011	12/4/2011	First Class	\$2	1	80%	(\$6)	#####	1	
CA-2011-101175	Dario Medina	12/9/2011	12/14/2011	Standard Class	\$101	6	20%	(\$1)	-1.3%	6	
CA-2011-101266	Michael Moore	8/27/2011	8/30/2011	Second Class	\$13	2	0%	\$6	48.0%	3	
CA-2011-101364	Tamara Willingham	12/22/2011	12/26/2011	Standard Class	\$297	13	20%	\$100	33.8%	6	
CA-2011-101392	Ann Steele	12/7/2011	12/13/2011	Standard Class	\$269	7	0%	\$70	26.0%	6	
CA-2011-101427	Andy Yotov	12/26/2011	12/30/2011	Standard Class	\$8	3	20%	\$1	13.8%	6	
CA-2011-101462	Benjamin Patterson	4/20/2011	4/25/2011	Standard Class	\$60	4	0%	\$28	46.0%	6	
CA-2011-101476	Shirley Daniels	9/12/2011	9/13/2011	First Class	\$70	1	0%	\$30	43.0%	1	
CA-2011-101560	Chris Selesnick	11/28/2011	12/1/2011	Second Class	\$542	19	0%	\$111	20.4%	12	1
CA-2011-101602	Mick Crobacca	19/15/2011	19/18/9011	Eiret Claee	\$804	А	50%	(\$31)	-3.9%	2	











YTD October 2022





Profit





120K





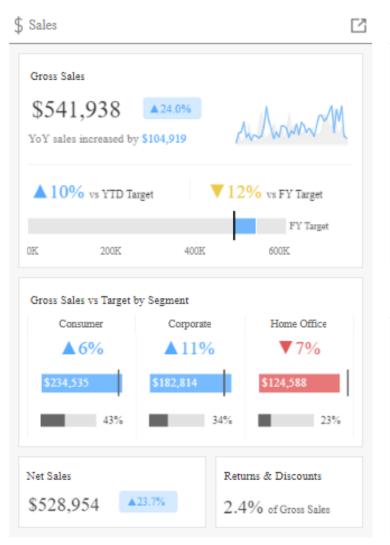


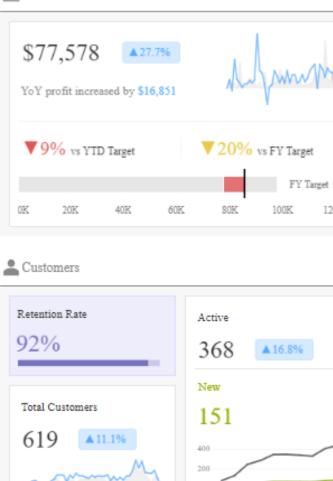


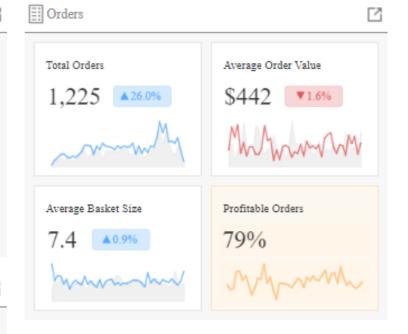


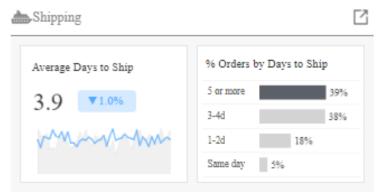


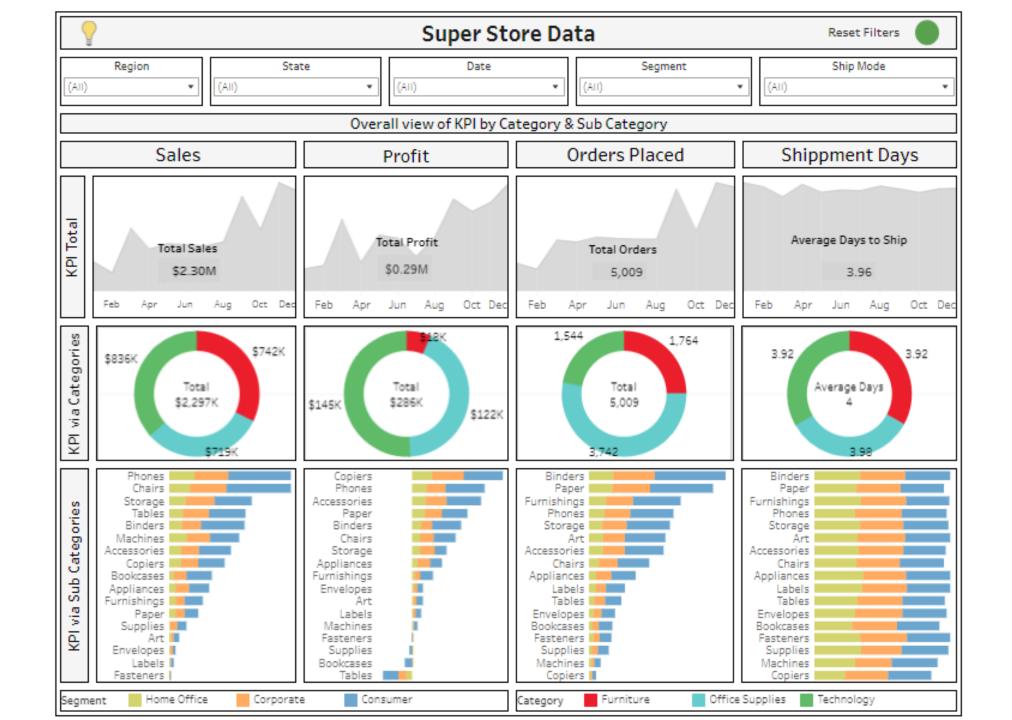


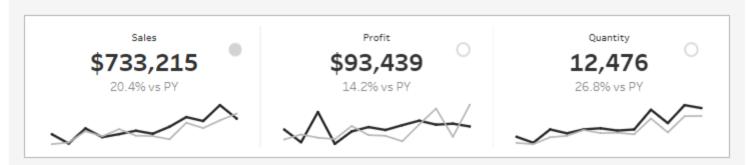




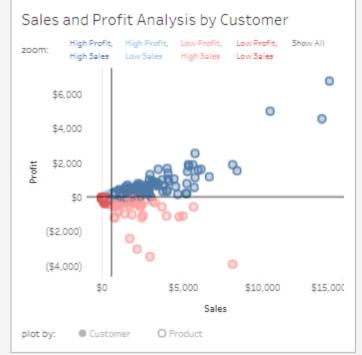








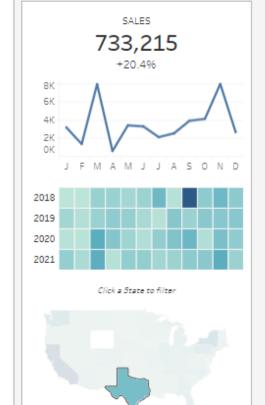




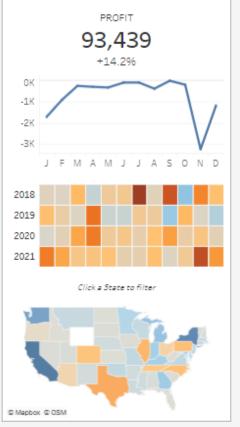
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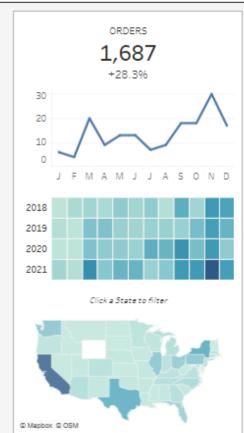
SUPERSTORE KPIs

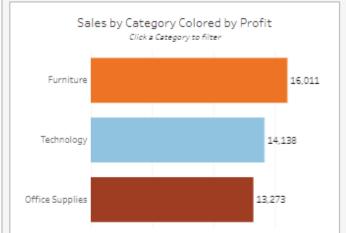
Bad



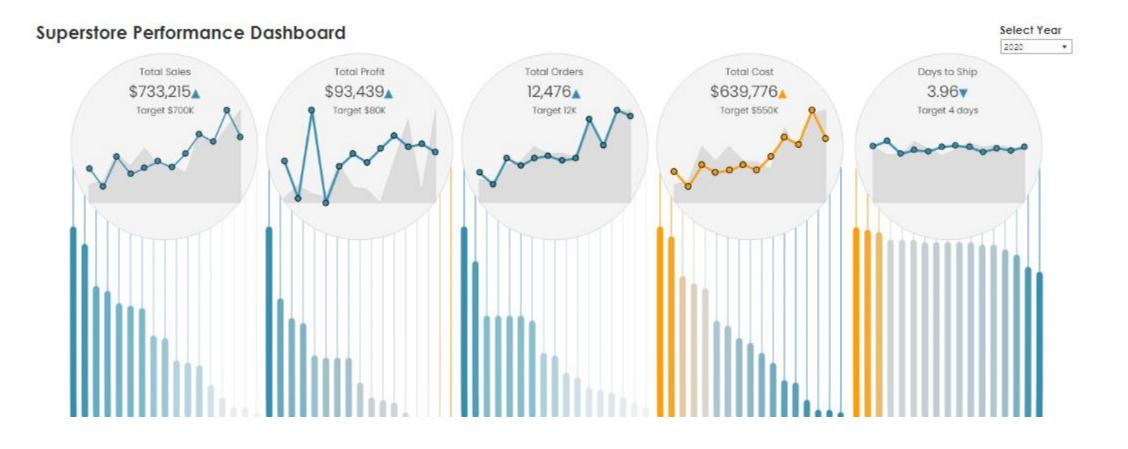
© Mapbox © OSM













SAMPLE SUPERSTORE DASHBOARD

State Segment (AII) (AII) Order Mon... Order Year

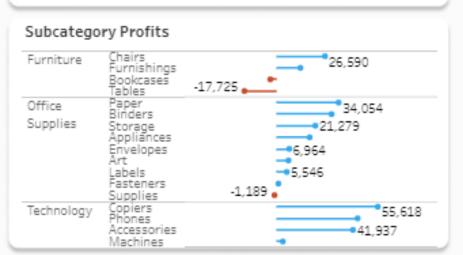
Discount 1,561

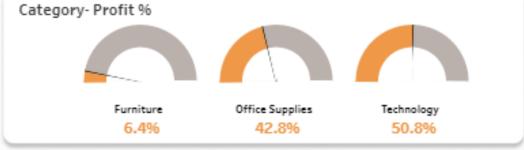
Sales 2,297,201

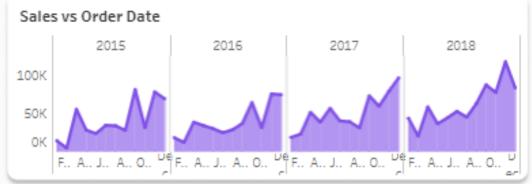
Profit 286,397 Profit % 100.0%















SALES DASHBOARD 2022.1



Topline Overview | High level breakdown of Sales and Profit by Product Category, Sug-Categoy, Segment and Region



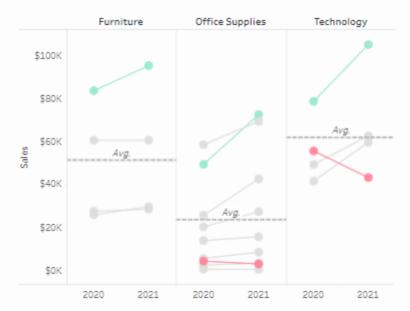




Sales Growth by Category & Sub-Category

Green lines indicate highest growth and red lines show biggest decline.





Sales by Region and Segment

Consumer segment shows strongest performance across all regions.

TOPLINE / TREND VIEW?



Region	Segment =	Sales 🗐	% of Target Sales	No. of Orders	Profit
Central	Consumer			2.5K	\$8.2K
	Corporate			1.7K	\$13.3K
	Home Office			1.0K	\$5.9K
East	Consumer			3.1K	\$19.7K
	Corporate		•	2.0K	\$16.4K
	Home Office		•	1.2K	\$17.2K
South	Consumer		•	1.9K	\$18.0K
	Corporate			1.0K	\$5.6K
	Home Office			0.7K	\$2.9K
West	Consumer		•	3.7K	\$35.4K
	Corporate		•	2.2K	\$22.4K
	Home Office			1.4K	\$10.1K

Stock Market – Predictive Analytics Project Time Series Forecasting Time Series Exponential Smoothing

Forecasting models in Power BI

Two versions of exponential smoothing:

- Seasonal data (ETS AAA)
- Non-seasonal data (ETS AAN)

Power BI automatically uses the appropriate model based on the analysis of historical data

What is seasonality?

Seasonality is the presence of variations that occur at specific regular intervals within a year, such as weekly, monthly or quarterly.

Factors that may affect seasonality include:

- Weather
- Vacation
- Holidays

Some datasets are not seasonal

Some datasets are cyclical.

Cyclical patterns are noticed when the data exhibits rises and falls that are not of a fixed period.

Such patterns are non-seasonal and can be due to various economic factors and outcomes.