Executive Summary											Demonstration of	
	Analysis of Returns b	Product Category	Analysis of Returns b	Geography	Analysis of Return by	Month	Analysis of Customer	Returns	analysis of impact by	Customer Returns	analysis of returns by	sis o

Summary Analysis:
The CEO of Superstore aims to understand the root causes of customer returns and develop strategies to reduce return volume. To achieve this, return trends will be analyzed based on the total number of returns over time. While financial impact is not the primary concern, the total cost of returns will also be examined. The return rate will serve as a key metric for comparing return trends across different regions, products, and customer segments.

Key Insights and Root Causes:

1. Geographic Trends

The Western region exhibits the highest return rates across all three product categories:
Furniture: 39.7% return rate

Office Supplies: 42.9% return rate
Technology: 37.4% return rate
The Eastern region follows closely in technology sturns, with a 32.7% return rate.

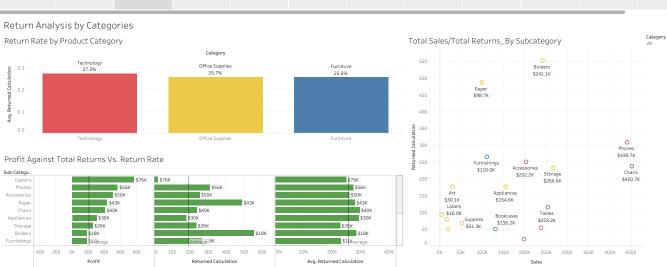
2. Seasonal Trends
August experiences a significantly higher return rate than other months, despite lower-than-average sales in the preceding four months. The total number of returns peaks in September, aligning with a sales surge.

3. Customer Behavior
A small group of customers is responsible for a significant portion of returns and profit losses: 14 customers contributed 60% of total profit losses due to returns. These same customers account for 31% of total returns. One customer alone is responsible for 23% of all profit losses and 6% of total return volume.

4. Product-Specific Issues
Certain products have exceptionally high return rates, with some reaching 100% return rates.
These high-return products often include costly or bulk-purchased items, which significantly impact overall return volume and associated financial losses.

Executive Summary	Demonstartion of Analysis of Returns b	Analysis of Returns by Product Category	Demonstration of Analysis of Returns b	Analysis of Return by Geography	Demonstration of Analysis of Return by	Analysis of Return by Month	Demonstration of Analysis of Customer	Analysis of Customer Returns	Demonstration of analysis of impact by	Analysis of Impact by Customer Returns	Demonstration analysis of retu
Filter: The categor  Graphs: Return rate by pro- Profit against total Total Sales against sales/profit is corr  Implementation: V	y filter is interactive an duct category: a Bar G returns and return rat Total returns: a scatte elated best with total r	er plot showing total sa returns or average retu	ercentage of returns for high with three sections ales and total returns arn.	e a detailed look at sale or each major product profit, total returns, ar ggregated by subcate	category. Use this chand average return rate gory. Use this chart to	rt as a general overvie aggregated by subcate see a representation o	w of the return rate of egory. Use this chart to if the scale in our total	o compare earnings in sales against total retu	each subcategory to re irns by each subcatego our subcategories are t	ory and analyze if total	

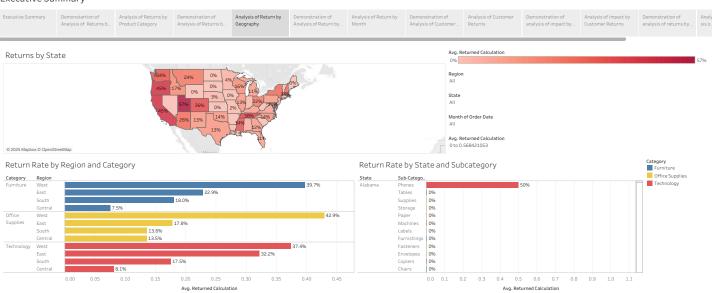
Executive Summary		Demonstration of Analysis of Returns b		Demonstration of Analysis of Return by		Demonstration of Analysis of Customer		Demonstration of analysis of impact by			
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Avg. Returned Calculation

Returned Calculation

The next story point contains an analysis of returns by state and region with 3 graphs and 4 filters.  Filter. The Region, State, and Month filters are interactive and can be used to control all the graphs simultaneously to dive into detail of any state, a region as unit, and by any month of interest. The Average Return Rate slide can be used to filter the isolate states by percentages of returns.  Graphs:  Return State, a leat map which shows percentages of average return rate. Use this graph along with the slider of avg return rate to get a general view of which states have the greater average returns.  Return Rate by Region and Category, a horizontal bar graph which shows the return rates by region and category. Use this graph to have a general overview of which geographical region is responsible for the greatest returns and in which category.  Return Rate by State and Subcategory, a horizontal bar graph which shows the return rate of all subcategories within each state. Use this graph to have a general overview of what is being returned at a greater rate within each category. Use the Reg Month filter to get further details into which subcategories are returned most by any State.  Implementation: With this dashboard we can analyze which geographic region is responsible for the most returns. We can further break down those high percentage return rates into categories and subcategories to see if there are any trends on the what those high return rate states are returning and when they are returned most product quality control, and investigating underlying returned 100% of all fasteners, and 89% of the copiers for the month of August. Superstore should Implement targeted interventions in the Western region by refining return policies, enhancing product quality control, and investigating underlying	v. Use the egion, State, and the proportion of allifornia.	



Executive Summary	Demonstartion of Analysis of Returns b	Analysis of Returns by Product Category		Demonstration of Analysis of Return by	Demonstration of Analysis of Customer		Demonstration of analysis of returns by	Analy sis o

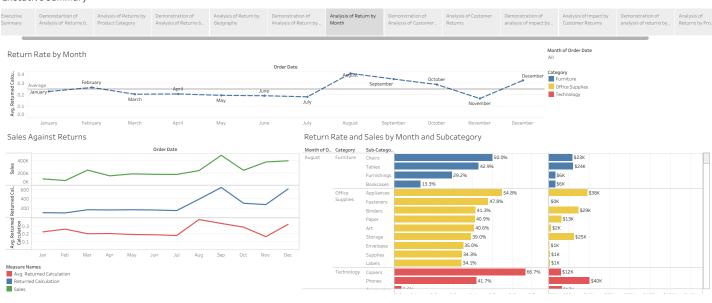
The next story point contains an analysis of return rate by month with 3 graphs and 1 filter.

Filter: The Month filter is interactive and can be used to control the sales against returns and return rates and sales by month graphs simultaneously. Use this filter to dive into the details of sales, return rate, and total returns of subcategories by any month of interest.

Graphs:
Return Rate by Month: a line graph which shows the average return rate by month. Use this graph to get a general view of which month's return rates are highest and lowest.
Sales Against Returns: 3-line graph which shows total sales, total returns, and return rate. Use this graph for a general overview of trend lines and visualize the trend lines for returns and sales. Use the Month filter to compare return rate trends month by month, or overall.

Return Rates and Sales by Month and Subcategory: a 2-columned horizontal bar graph which compares return rates and sales of each subcategory by each month. Use this graph along with the Month filter to assess the subcategories' return rate and its effects sales in any month of interest.

Implementation: With this dashboard we can get a detailed assessment of which months have the highest return rate, total returns, and analyze what is happening in those months. We can clearly visualize that August has the highest return rate, while September has the highest total returns. September's spike in sales correlates with the spike in total returns. However, the high average return rate in august needs to be studied within context in multiple departments (like marketing) to uncover why it has such a high return rate when the previous 4 months show below average sales. For example, we can use the month fillier to see during August the rates of copiers was a massive 66.7%. Superstore should strengthen return policies and provide proactive customer engagement during peak return periods (August-September) and work closely with the marketing team to understand seasonal trends, such as sales events, discounted items, and back-to-school promotions, that may contribute to increased return rates. If certain promotions drive excessive returns, adjusting return policies for these periods may be necessary.



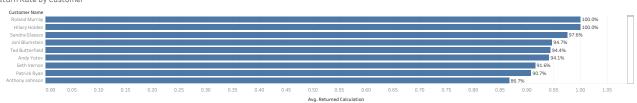
	tartio Analysis of Returns by lysis Product Category	Demonstration of Analysis of Returns b	Analysis of Return by Geography	Demonstration of Analysis of Return by	Analysis of Return by Month	Demonstration of Analysis of Customer	Analysis of Customer Returns	Demonstration of analysis of impact by	Analysis of Impact by Customer Returns	Demonstration of analysis of returns by	Analysis of Returns by Product	Conclusion an Reccomendat
GR ra	ne next story point contains  Iter: The Month filter is inte  raphs:  eturn Rate by Customer: a h  eturn Rate by Customer Ou  dividual customer Su and a la  eturn Rate of Customer Gu  chividual customers had a la  eturn Rate of Customer By;  plementation: With this da  cample, from the previous s  is single customer may pro-	ractive and can be use norizontal bar graph whonth of interest. Iter: a scatter plot whice rige impact on any mor whonth; a horizontal bai seshboard we can get a tory point we can see to tory point we can see to	d to control all the graphich shows the average rith of interest.  "graph which compare detailed assessment of has the present of the compare detailed assessment of the compare detailed asses	ohs simultaneously. Us ereturn rate and total n eturn rate of customer es customers' return ra f each customer's retu e highest total returns.	the this filter to dive into number of items return rs. Use this graph to vis tites and total returns for rn rates and total num If we set the customer	ed for each customer. sualize any customers or each month. Use thi ber of items returned. returns month filter to	Use this graph to get a who are outliers, havin s graph along with the We can also analyze if September, we can qu	a general view of which ng unusually high retur Month filter how custo any individual custom uickly notice a massiv	n customers return rate n rates and total items omers return rates and er has return trends w e outlier, Seth Vernon,	es are highest. Use the returned. Use the Mor I total returns affected hich negatively impact who returned 734 iten	outh filter to analyze if a any month. and our return rate over and ar ar eturn rate of 9	ny rall. For

	Analysis of Returns by Product Category			Demonstration of Analysis of Return by		Demonstration of Analysis of Customer		Demonstration of analysis of impact by				Conclusion and Reccomendations.
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Analysis of Returns by Customers

Month of Order Date







no a	Analysis of Returns by Product Category	Demonstration of Analysis of Returns b	Analysis of Return by Geography	Demonstration of Analysis of Return by	Analysis of Return by Month	Demonstration of Analysis of Customer	Analysis of Customer Returns	Demonstration of analysis of impact by	Analysis of Impact by Customer Returns	Demonstration of analysis of returns by	Analysis of Returns by Product	Conclusion and Reccomendations	5.
	The next story point cor	ntains an analysis of pi	rofit loss and return vo	olume from returns as v	well as the proportion (	of responsibility that 1	4 bulk customers had o	on those profit losses a	and return volume with	n 2 graphs and no filter	S.		
	Graphs: Profit Loss from Return Losses from Only 14 Bu profit loss and return vo Seth Vernon Alone: a ba	ulk Customers: a bar g dume against the total	raph which shows the l.	total profit loss and re	turn volume from only	14 customers with par					npact certain custome	ers have on	
	<b>Implementation:</b> With them are responsible fo								s have. The dashboard	shows that of the Sup	erstores' 800 custome	ers, just 14 of	

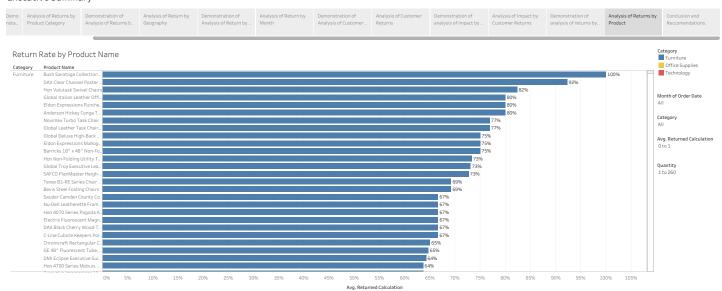
	Analysis of Returns by Product Category	Demonstration of Analysis of Returns b		Demonstration of Analysis of Return by	Demonstration of Analysis of Customer	Demonstration of analysis of impact by	Demonstration of analysis of returns by	Analysis of Returns by Product	Conclusion and Reccomendations.
M	aior Losses fro	om Bulk Custo	mers						





\$5,000

0	Analysis of Returns by Product Category	Demonstration of Analysis of Returns b	Analysis of Return by Geography	Demonstration of Analysis of Return by	Analysis of Return by Month	Demonstration of Analysis of Customer	Analysis of Customer Returns	Demonstration of analysis of impact by	Analysis of Impact by Customer Returns	Demonstration of analysis of returns by	Analysis of Returns by Product	Conclusion and Reccomendations.	
	The next story point co	ontains an analysis of re	eturn rate by individua	ıl products with 1 grapl	n and 4 filters.								
	Filters: The Month, Ca	tegory, Avg return rate	e slider, and Quantity s	lider filters are all inter	active. Use this filter to	o dive into the details o	f the return rate of ind	ividual products in terr	ns of month, category,	return rate or quantity	of interest.		
	Graphs: Return Rate by Produc	t Name: a horizontal b	ar graph which shows	the return rate of all th	e products that supers	store sells by category	. Use a combination of	filters to assess which	individual items have	the highest return rate	s by volume, month, ar	nd category.	
	Implementation: With example, in the month collaborating with supp	of September Superst	ore had 30 products f	rom office supplies, 11	products from techno	ology, and 11 products							



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Dem nsta		Demonstration of Analysis of Returns b	Analysis of Return by Geography	Demonstration of Analysis of Return by	Analysis of Return by Month	Demonstration of Analysis of Customer	Analysis of Customer Returns	Demonstration of analysis of impact by	Analysis of Impact by Customer Returns	Demonstration of analysis of returns by	Analysis of Returns by Product	Conclusion and Reccomendations.
Re	ommendations to Red	uce Returns:										
Re;	ional Strategy: Impleme	ent targeted interventi	ions in the Western reg	ion by refining return p	olicies, enhancing pro	duct quality control, a	nd investigating under	lying return drivers.				
Sea	sonal Adjustments: Str	engthen return policies	s and provide proactiv	e customer engagemer	nt during peak return p	periods (August-Septe	mber).					
	tomer-Specific Actions				_							
	duct Review: Conduct a											
adj	keting Coordination: W usting return policies for	these periods may be	e necessary.				·		bute to increased retu	rn rates. If certain prof	notions drive excessive	returns,
Ву	mplementing these stra	ategies, Superstore ca	n effectively reduce re	turn volume, improve o	ustomer satisfaction,	and mitigate profit los	ses linked to excessive	returns.				