

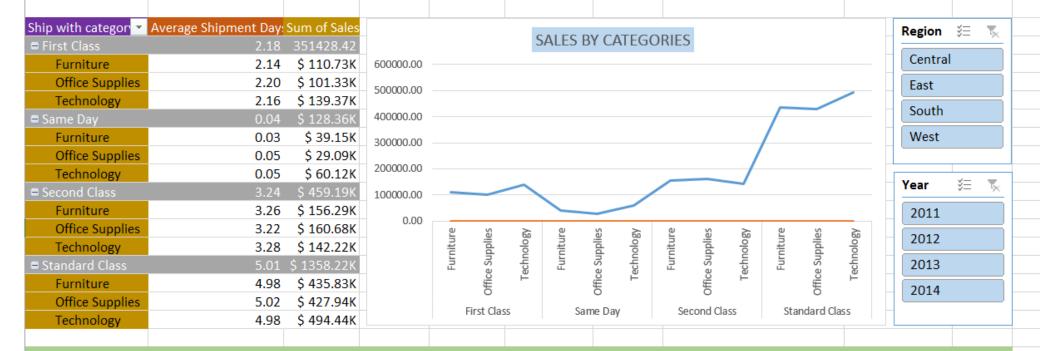


the company may want to consider the following strategies to avoid the downward trend in sales and profit:

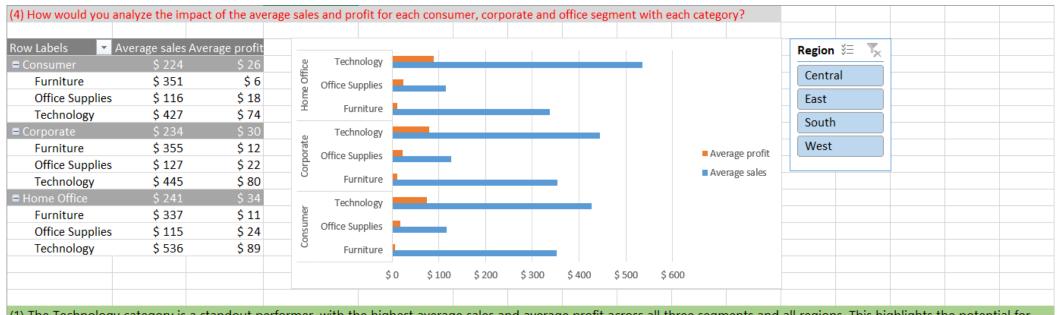
(1)Sub-category performance: Some sub-categories like Tables and Bookcases seem to have negative total profit, while others like Chairs, Furnishings and Appliances have positive total profit. Understanding the reasons behind the performance of these sub-categories and making necessary adjustments to improve the performance of the underperforming sub-categories could positively impact overall sales and profit.

(2)Profit Margin: Additionally, the data shows that sub-categories with high sales volume such as tables and bookcases have negative profit. The company could potentially adjust the profit margins or decrease discounts on these sub-categories to mitigate the impact on overall profit. the company can address these issues, such as removing sub-categories with negative sales and profit, adjusting pricing, expanding into new markets, or enhancing the company's product offerings.

(3) How does the shipment time impact the sales and customer satisfaction for different ship modes and can you suggest any optimization strategies to improve the shipment time while maintaining the cost-effectiveness?



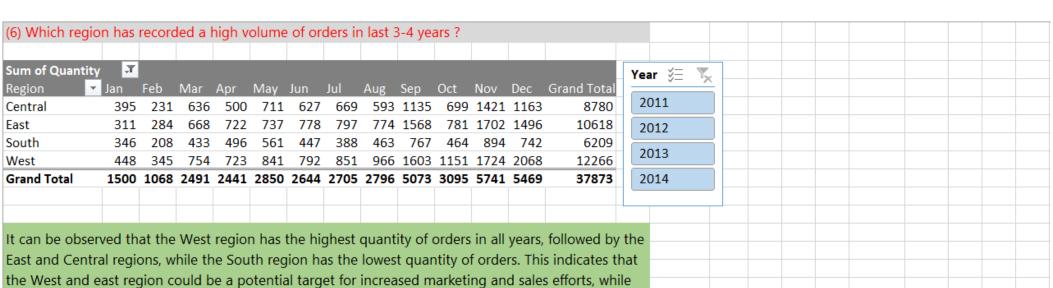
- **1. Sales trends:** (1) Customers prefer faster delivery in Technology categories. Lets see the First Class ship mode total sales is higher then than Furniture and Office Supplies category. So company should focus on first class ship mode in Technology category for better coustomer experience bacause in standard class average shipment time is 5 days and technology category has overall high sales so for company this is important step for growth in technology market.
- (2) The Furniture and Office Supplies sub-categories have the maximum sales in the Second Class and Standard Class categories. This suggests that customers are willing to wait longer for their deliveries as long as they receive their items in good condition and at a reasonable price.
- (3) To ensure that these items reach the customers in good condition, the company could invest in better packaging and handling methods. This can help to maintain customer satisfaction and increase repeat business.



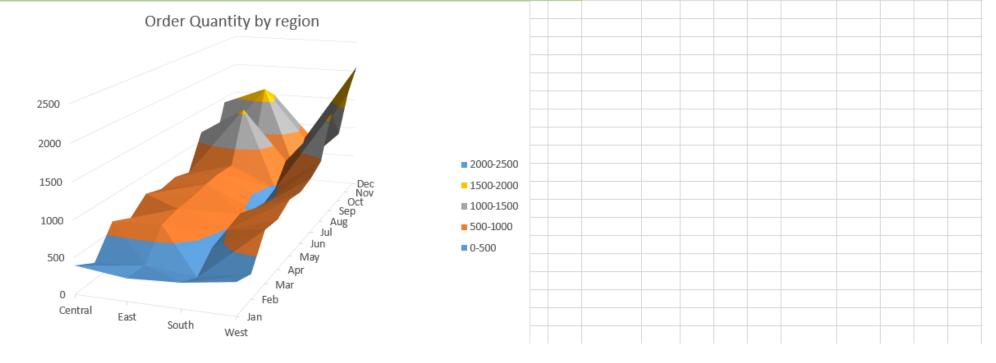
- (1) The Technology category is a standout performer, with the highest average sales and average profit across all three segments and all regions. This highlights the potential for continued growth and success in this area and suggests a strong focus on this category in terms of investment and marketing efforts is warranted.
- (2) The Furniture category exhibits lower average sales and average profit across all three segments, particularly in the Central & East region where the average profit for Furniture is negative. It is imperative that the company evaluates the performance of the Furniture category in this region and implements appropriate measures to address the situation.
- (3) The Office Supplies category exhibits moderate performance with regards to average sales and average profit across all three segments. However, it is important to note that the Central region shows a potential for improvement as the sales are generated but the average profit is low.

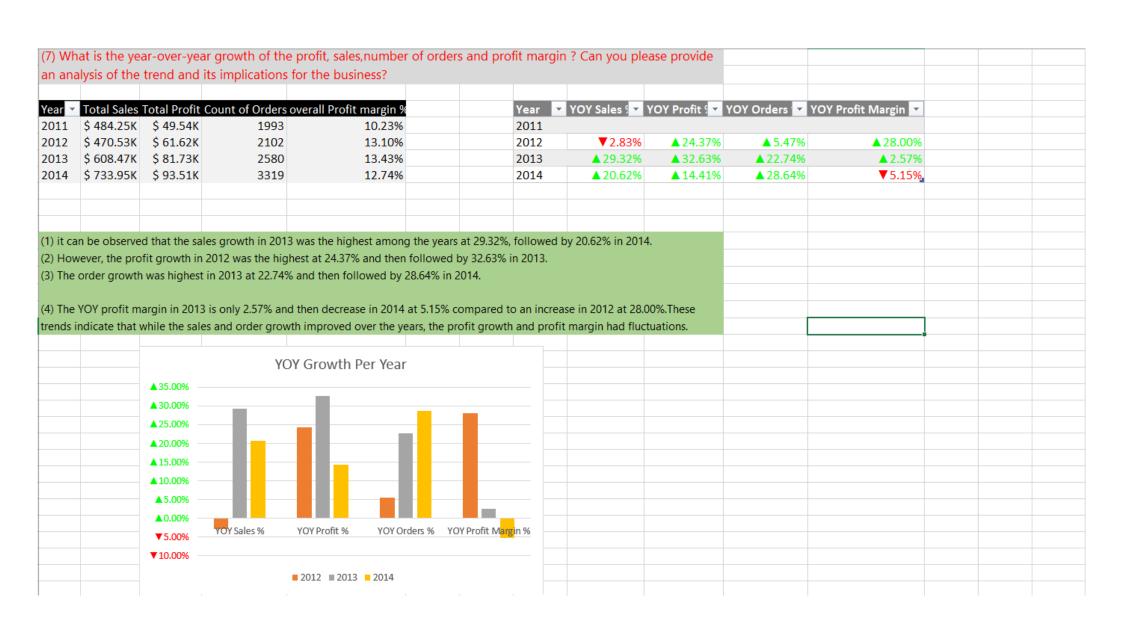
Note: It can be inferred that the Technology sub-category is the most profitable segment for the company and should be given priority in terms of investment and marketing efforts. The Furniture sub-category should be reviewed to identify opportunities for improvement and the Office Supplies sub-category can be seen as a moderate performer.





the South region may require further analysis to understand why it is not performing as well and what can be done to improve sales in that region.





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| | | Sum of Profit Sum o | | |
| Furniture | \$ 742.00K | \$ 18.45K | 2.49% | (1) Based on the performance analysis of the Furniture category over the past 4 years, it is apparent that the sub- |
| Bookcases | \$ 114.88K | -\$ 3.47K | -3.02% | categories of Bookcases and Tables are not contributing positively to the overall profit and profit margin of the compar |
| Chairs | \$ 328.45K | \$ 26.59K | 8.10% | Despite a relatively stable sales trend, the profit margin for these sub-categories is negative. |
| Furnishings | \$ 91.71K | \$ 13.06K | 14.24% | (2) The analysis of the Office Supplies sub-category shows a positive performance, with a total profit of \$122.5K and a |
| Tables | \$ 206.97K | | -8.56% | profit margin exceeding 17%. As such, there is no immediate concern in this area. On the other hand, while the |
| Office Supplies | | • | 17.04% | Technology sub-category may show lower profit margins for the Machines segment, the overall trend for this sub- |
| Appliances | \$ 107.53K | \$ 18.14K | 16.87% | category is positive and does not warrant immediate attention. |
| | | | | |
| Art | \$ 27.12K | \$ 6.53K | 24.07% | (3) It is evident from the data that the Technology and Office Supplies categories have the most favorable performance |
| Art Binders | \$ 27.12K \$ 203.41K | \$ 6.53K \$ 30.22K | 24.07% 14.86% | terms of overall profitability, with an overall profit margin of 17% and above. Given these findings, it is recommended the |
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