

InventorySync

Business Intelligence Inventory Report

Generated on June 28, 2025

InventorySync Business Intelligence

Prepared for: Executive Management

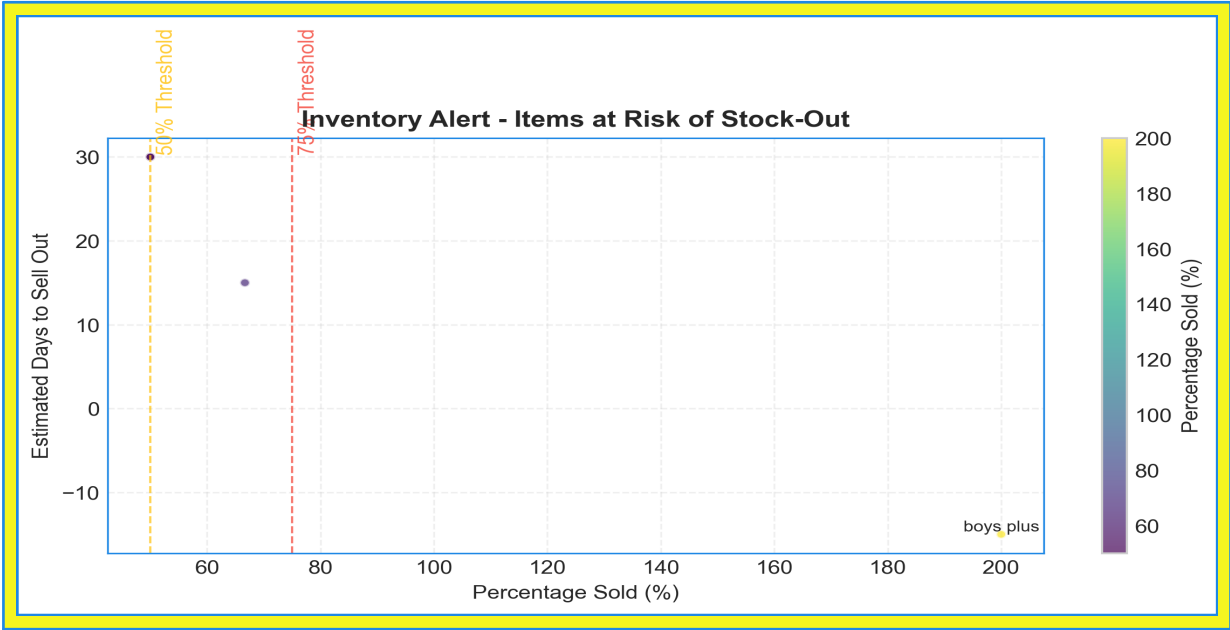
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Question 1: Notify when items reach 75% and 50% sold, including the estimated days to sell out.

Items ≥75% Sold	Items ≥50% Sold	Avg Days to Sellout
1	3	15



Analysis & Recommendations

Business Intelligence Analysis: Inventory Sell-Through

Executive Summary

This analysis identifies items approaching sell-out thresholds (75% and 50% sold), highlighting potential stockouts or overstocked items. Early identification allows for proactive inventory management to optimize sales and minimize lost revenue.

Key Insights

- Sell-Through Thresholds:** Several items are nearing critical sell-through points. For example, the "deo" lower-jogger-hosiery (66.67% sold, est. 15 days to sell out) is close to the 75% threshold. The "grab" suit-falalan and "pan america" shirt-full are both at 50% sold, estimated to sell out in 30 days.
- Negative Sell-Out Time:** The "boys plus" kurta pajama shows 200% sold and a negative sell-out time. This indicates likely data entry errors, returned items not properly accounted for, or potentially a data aggregation issue.

- **Data Quality:** The "unknown" color values for "deo" and "grab" suggest potential gaps in data collection that need to be addressed.

Business Implications

- **Lost Sales:** Items nearing sell-out could result in lost sales if not replenished. Conversely, slow-moving inventory ties up capital and storage space.
- **Data Integrity:** Inaccurate data (like the negative sell-out time) compromises decision-making.
- **Suboptimal Inventory Management:** Without accurate sell-through data and proactive alerts, the business risks stockouts or overstocking.

Actionable Recommendations

- **Implement Automated Alerts:** Immediately configure automated alerts to notify when items reach 75% and 50% sold. These alerts should include the estimated sell-out date. (Timeframe: 1 week)
- **Investigate Data Anomalies:** Prioritize investigating the negative sell-out time and "unknown" color values. Correct the data entry/aggregation process to ensure data accuracy. (Timeframe: 2 weeks)
- **Refine Inventory Strategy:** Based on the alerts and data corrections, proactively adjust inventory levels for items nearing sell-out or moving slowly. This includes ordering more of fast-selling items and considering promotions for slow-moving items. (Timeframe: Ongoing)

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Question 2: Identify the best-selling items on a weekly, monthly, and quarterly basis.

Weekly Sales	Monthly Sales	Top Seller
0	49	N/A



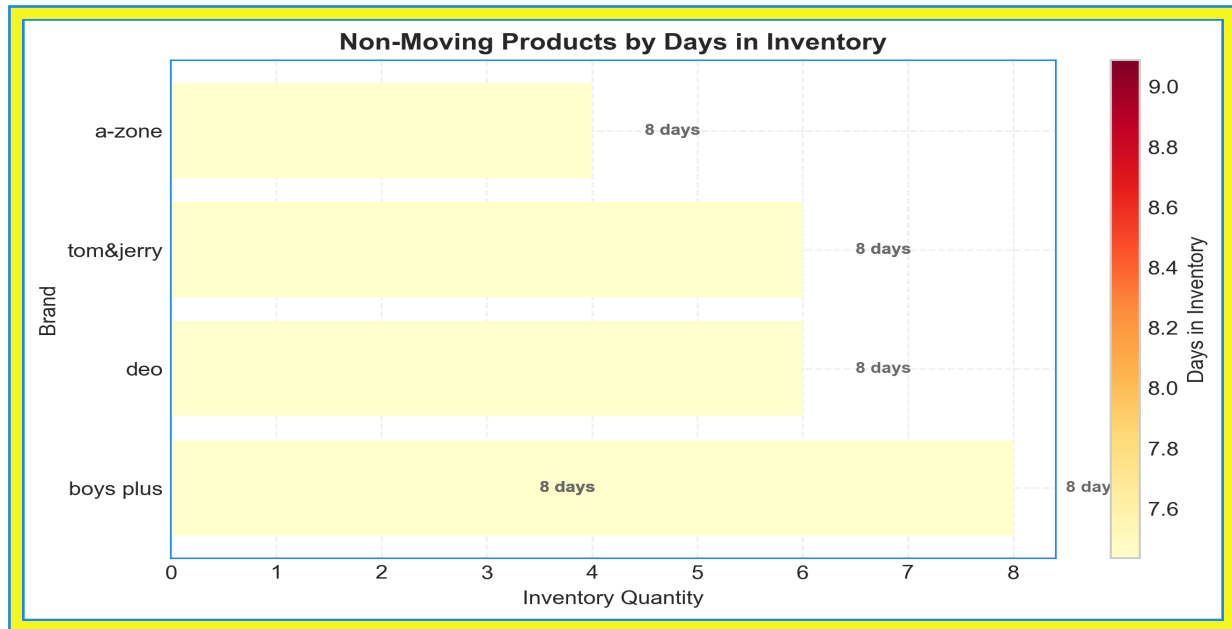
Analysis & Recommendations

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[violations { }, links { description: "Learn more about Gemini API quotas" url: "https://ai.google.dev/gemini-api/docs/rate-limits" }, retry_delay { seconds: 56 }]

The data shows 20 records with columns: Brand, Category, Size, Color, sales, period.

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Question 3: Track non-moving products and their aging quantities.



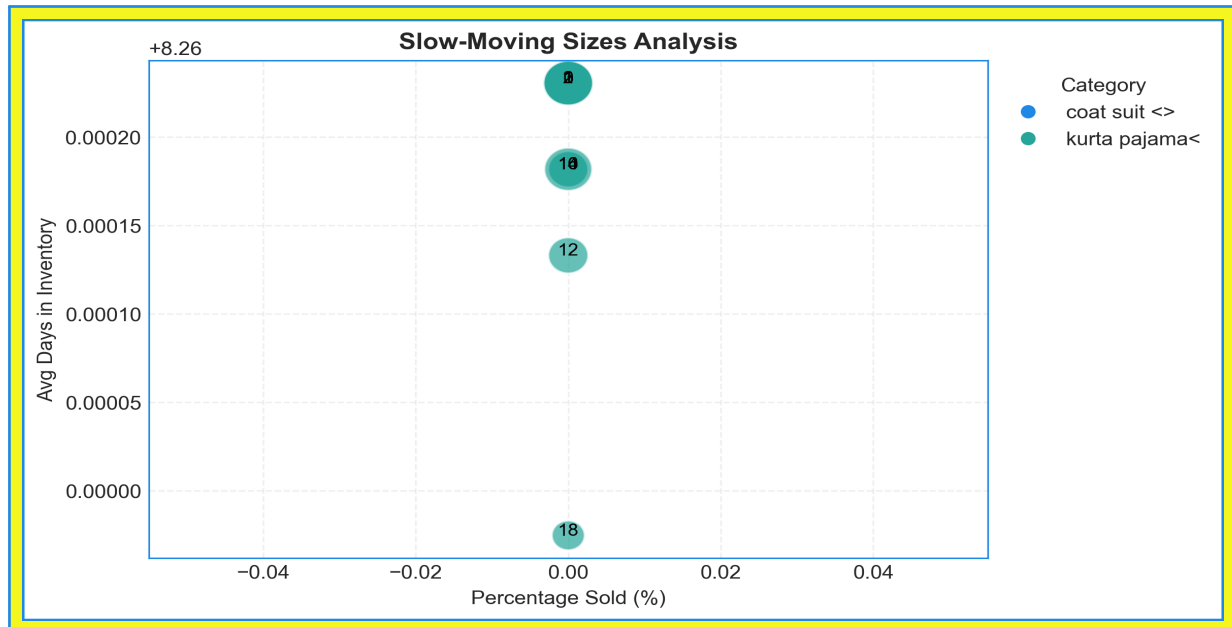
Analysis & Recommendations

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The data shows 10 records with columns: Brand, Category, Size, Color, MRP, PurchaseQty, SalesQty, percent_sold, days_in_inventory.

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Question 4: Identify slow-moving sizes within specific categories.



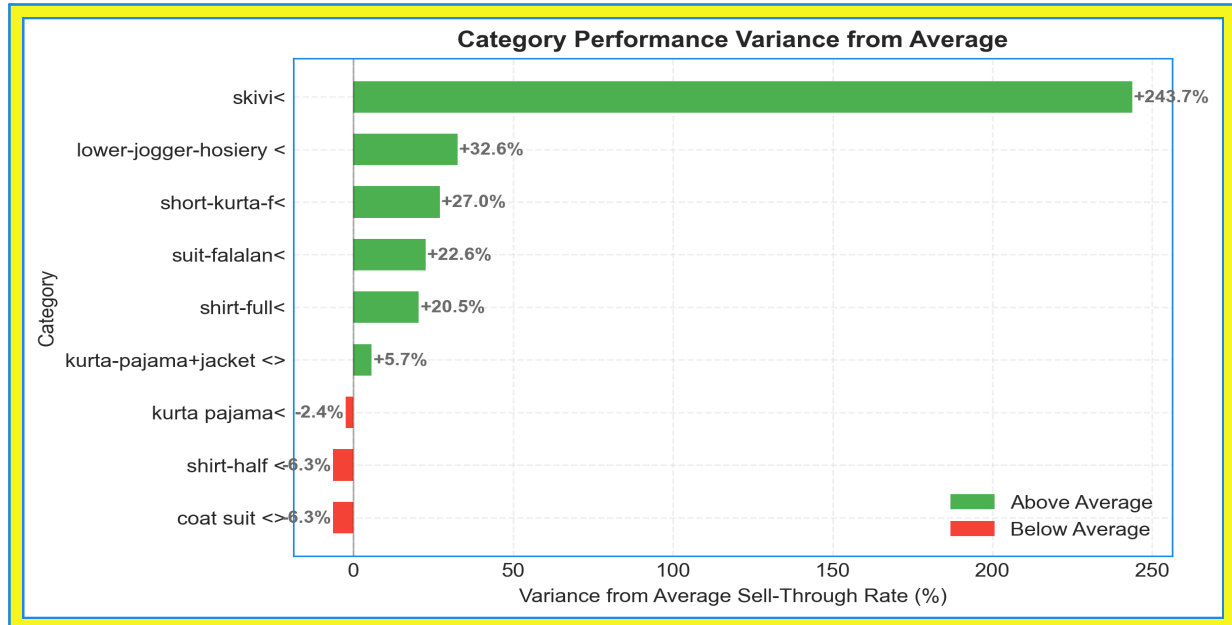
Analysis & Recommendations

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The data shows 10 records with columns: Category, Size, size_count, total_purchased, total_sold, percent_sold, avg_days_in_inventory.

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Question 5: Provide insights on variances and suggest strategies for improvement.



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The data shows 9 records with columns: Category, total_purchased, total_sold, sell_through_rate, variance_from_avg, brand_count.

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Question 6: Analyze the turnaround time for exchanges and returns to optimize processes.

No data available for this question. Please check the data sources or refine the query.

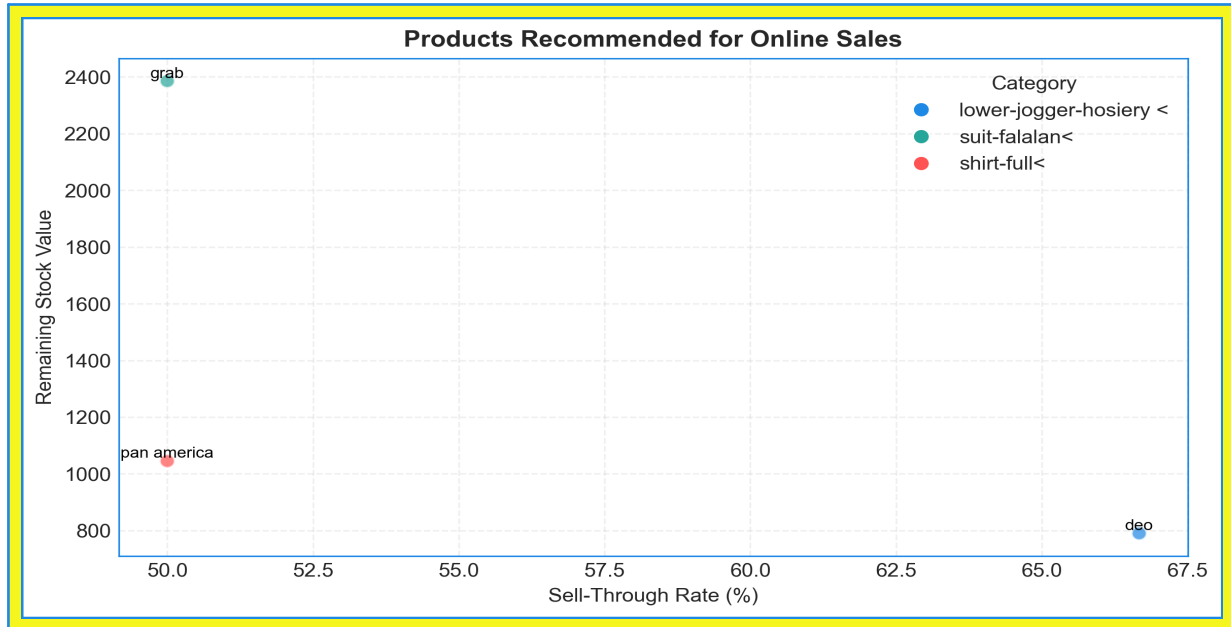
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Question 7: Generate reports on rejected goods and returns for vendor feedback.

No data available for this question. Please check the data sources or refine the query.

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Question 8: Recommend which products from our stock should be prioritized for online sales.



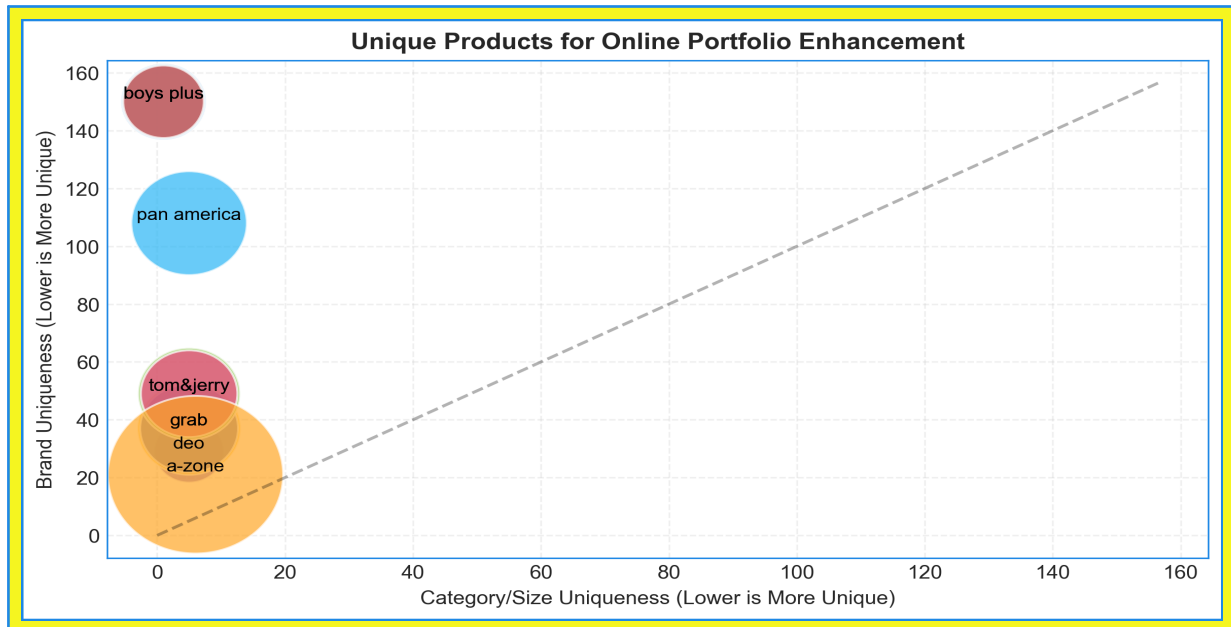
Analysis & Recommendations

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The data shows 3 records with columns: Brand, Category, Size, Color, MRP, PurchaseQty, SalesQty, remaining_stock, sell_through_rate, stock_value.

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Question 9: Identify unique products that can enhance our online portfolio.



Analysis & Recommendations

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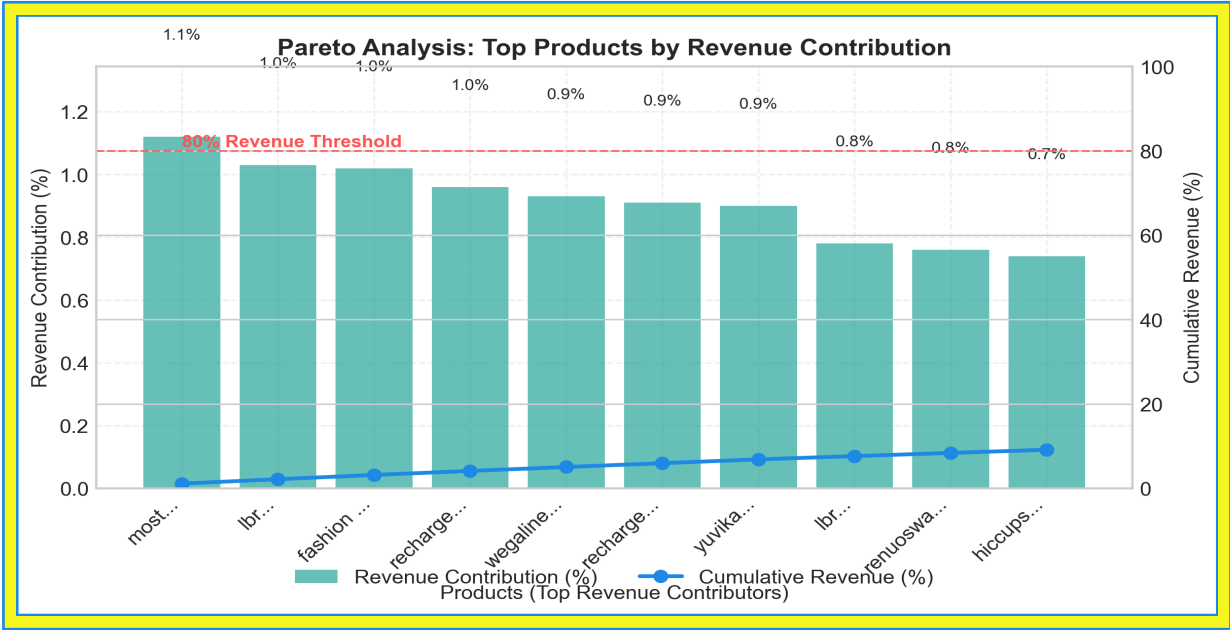
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The data shows 10 records with columns: Brand, Category, Size, Color, MRP, SalesQty, PurchaseQty, available_stock, category_size_count, brand_count.

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Question 10: Identify the top 20% of products contributing to 80% of sales.

Top Product Share	Products for 80%	Coverage
1.1%	10	9.1%

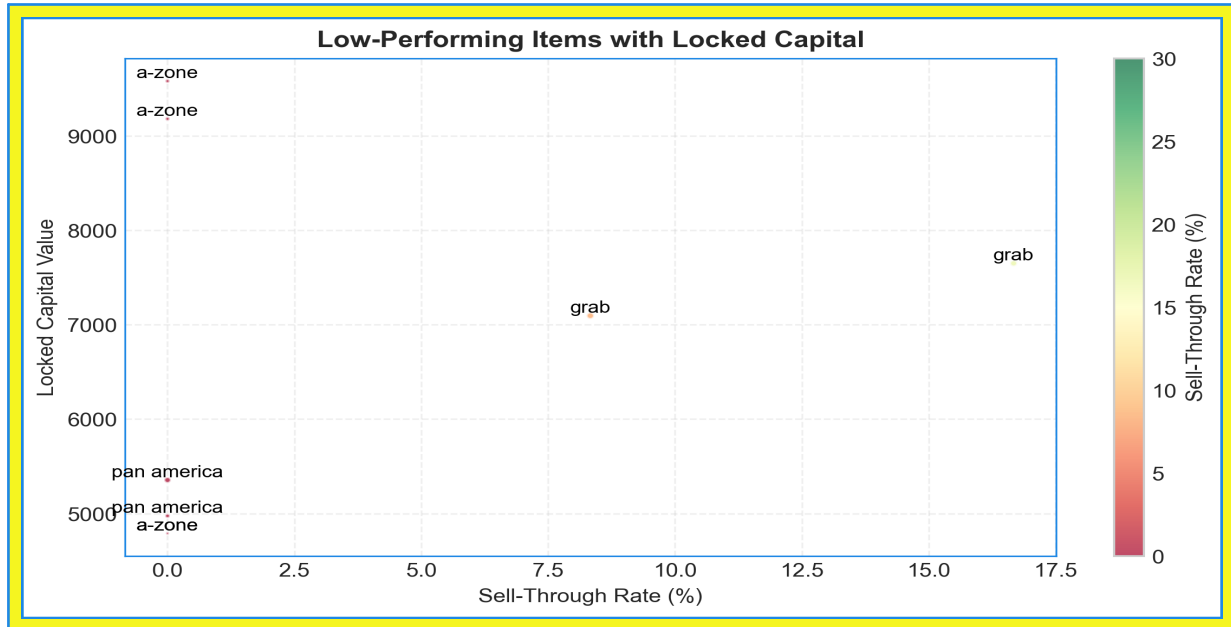


Analysis & Recommendations

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The data shows 10 records with columns: Brand, Category, Size, Color, SalesQty, MRP, revenue, percent_of_total, cumulative_percent.

Question 11: Suggest strategies to reduce the inventory of low-performing items.



Analysis & Recommendations

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The data shows 10 records with columns: Brand, Category, Size, Color, MRP, SalesQty, PurchaseQty, excess_inventory, sell_through_rate, locked_capital, days_in_inventory.

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Executive Summary

Error generating executive summary: 429 You exceeded your current quota, please check your plan and billing details. For more information on this error, head to:

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Please review the individual analyses for insights.

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