

GenAI-Powered Dynamic Supply Chain Report

Prepared by: Warehouse Manager

Warehouse ID: WH_1

Reporting Period: Week ending 2025-07-14

Department: Operations

I. Executive Summary

Orders Processed: 100000

Avg Pick Duration: 17.0 min

Avg Fill Rate: 85.03%

Order Fulfillment Time: 0.28 days

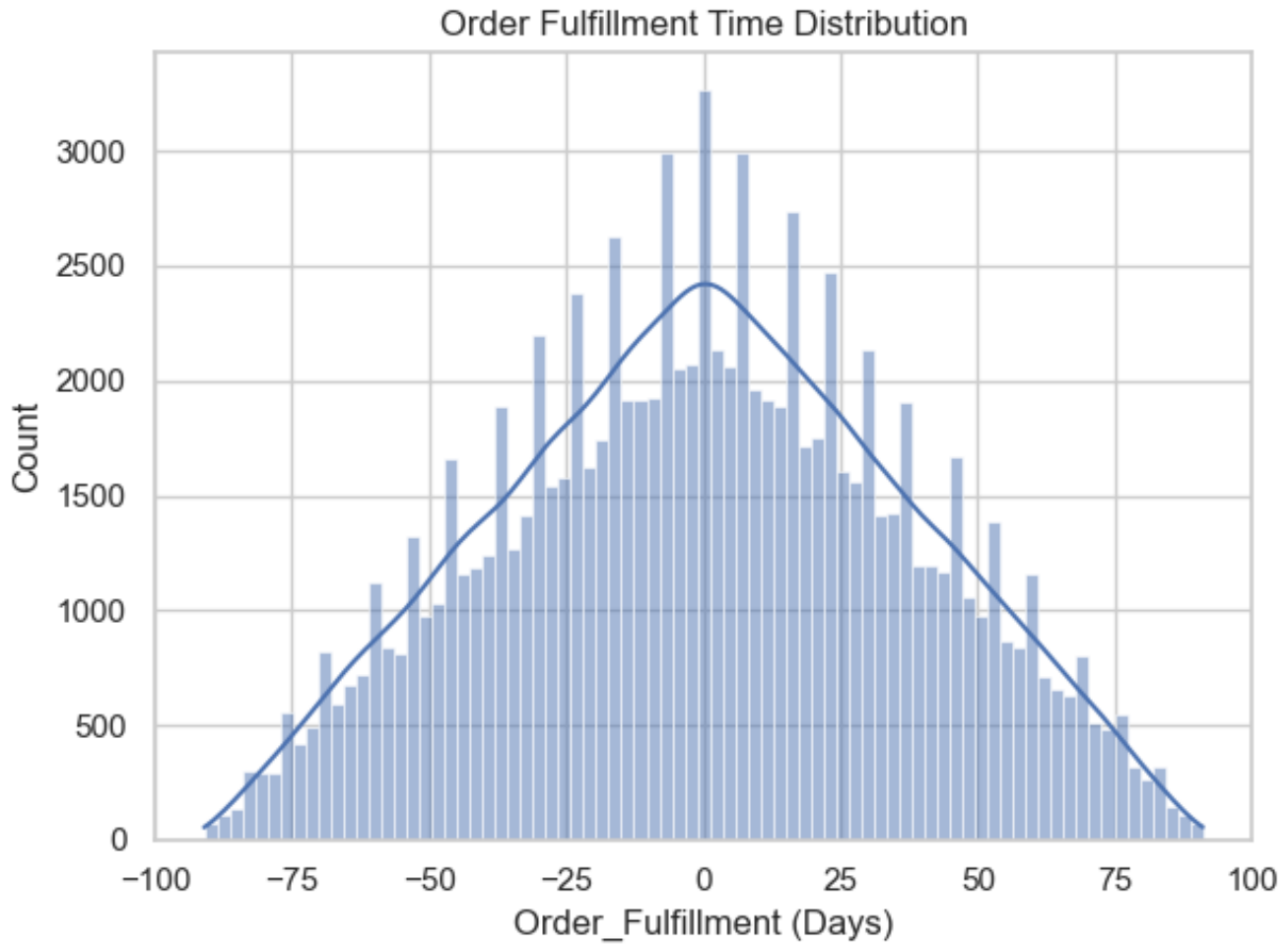
Highlights: Optimal picking accuracy achieved; minimal transportation delays; efficient resource utilization.

II. Order Processing & Fulfillment

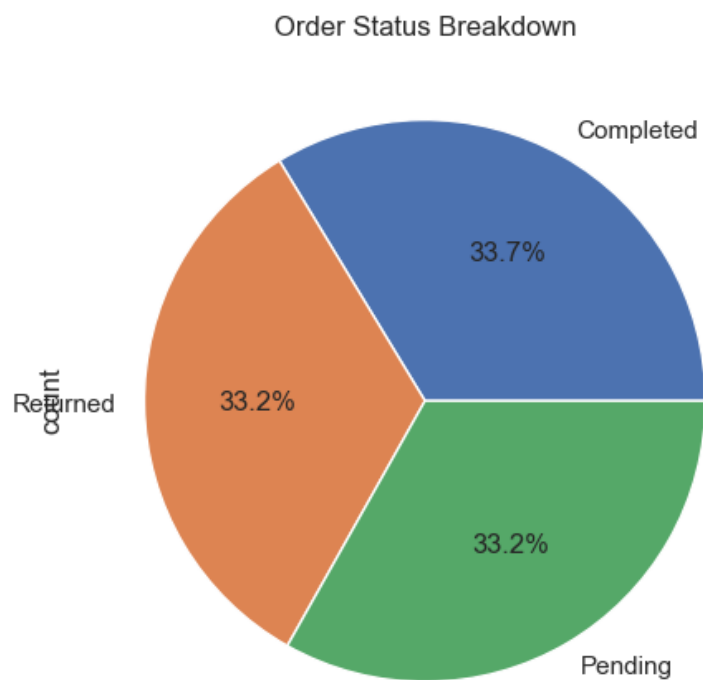
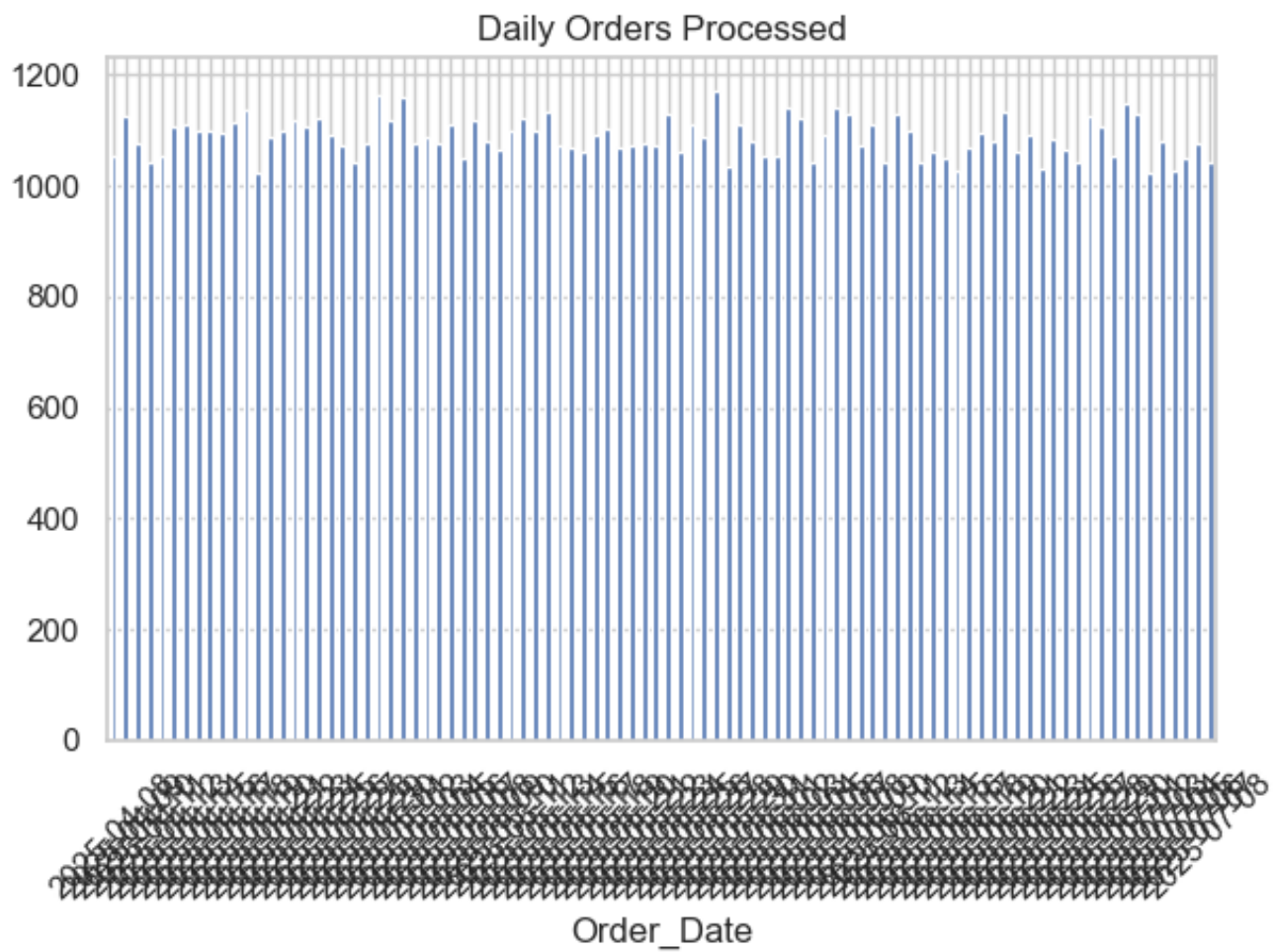
Scheduled vs Actual Shipping (Avg Days): 3.5 vs 4.0

Shipping Accuracy (%): 49.98%

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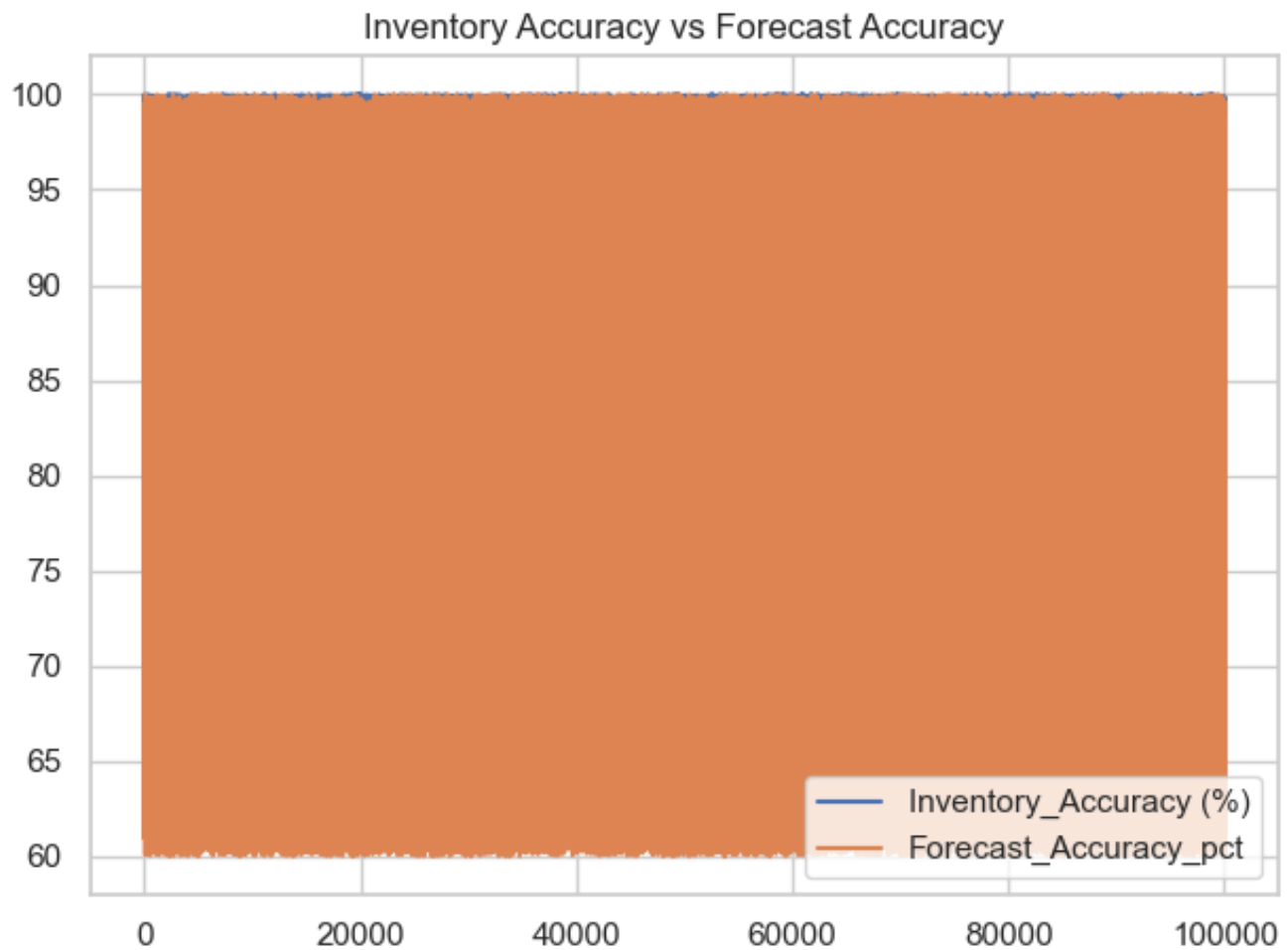
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III. Inventory & Accuracy Metrics

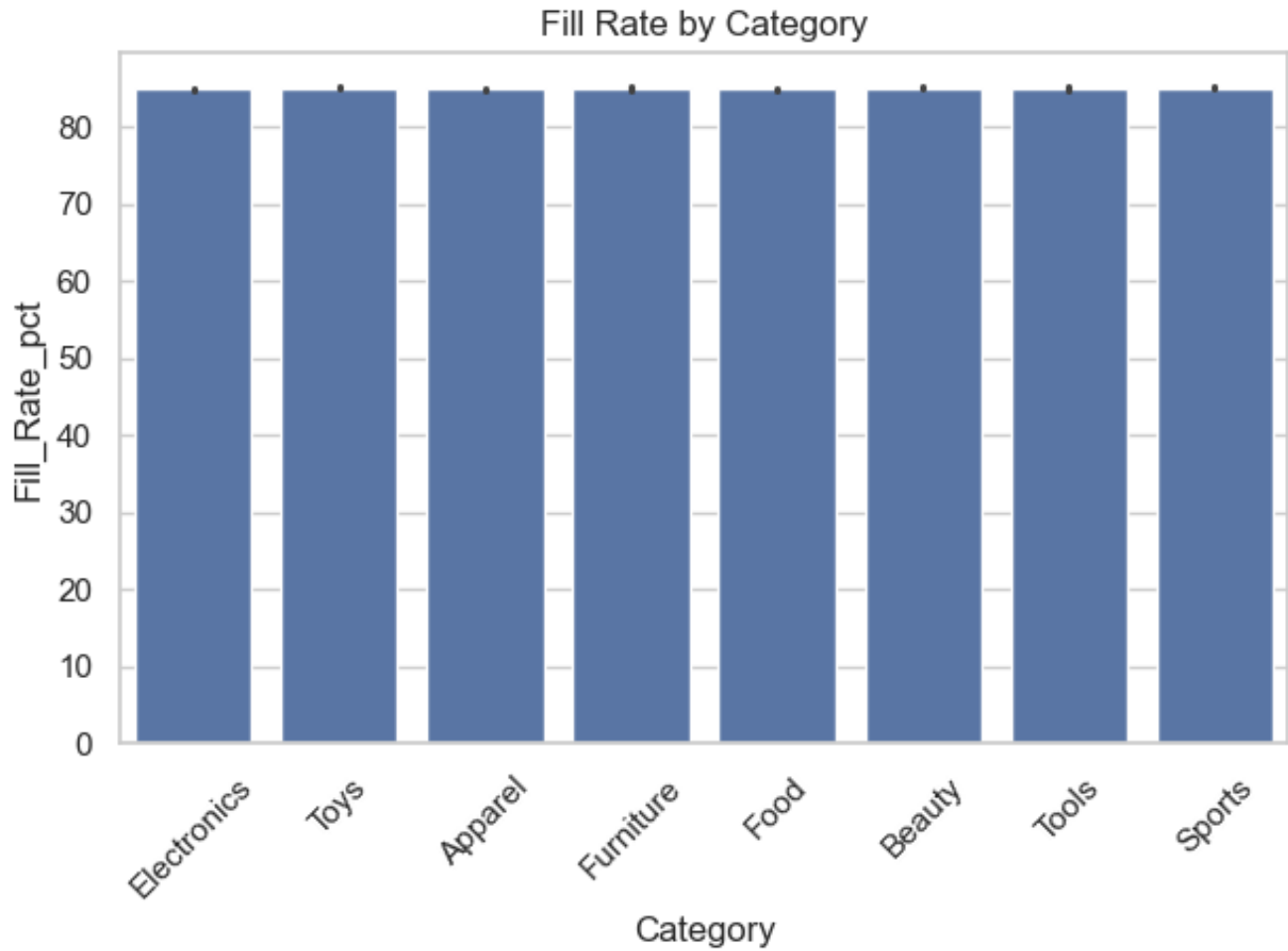
Inventory Turnover Rate: 6.75

Inventory Accuracy (%): 92.5%

Forecast Accuracy (%): 80.03%



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IV. Picking Performance & Labor Efficiency

Total Items Picked: 2502724

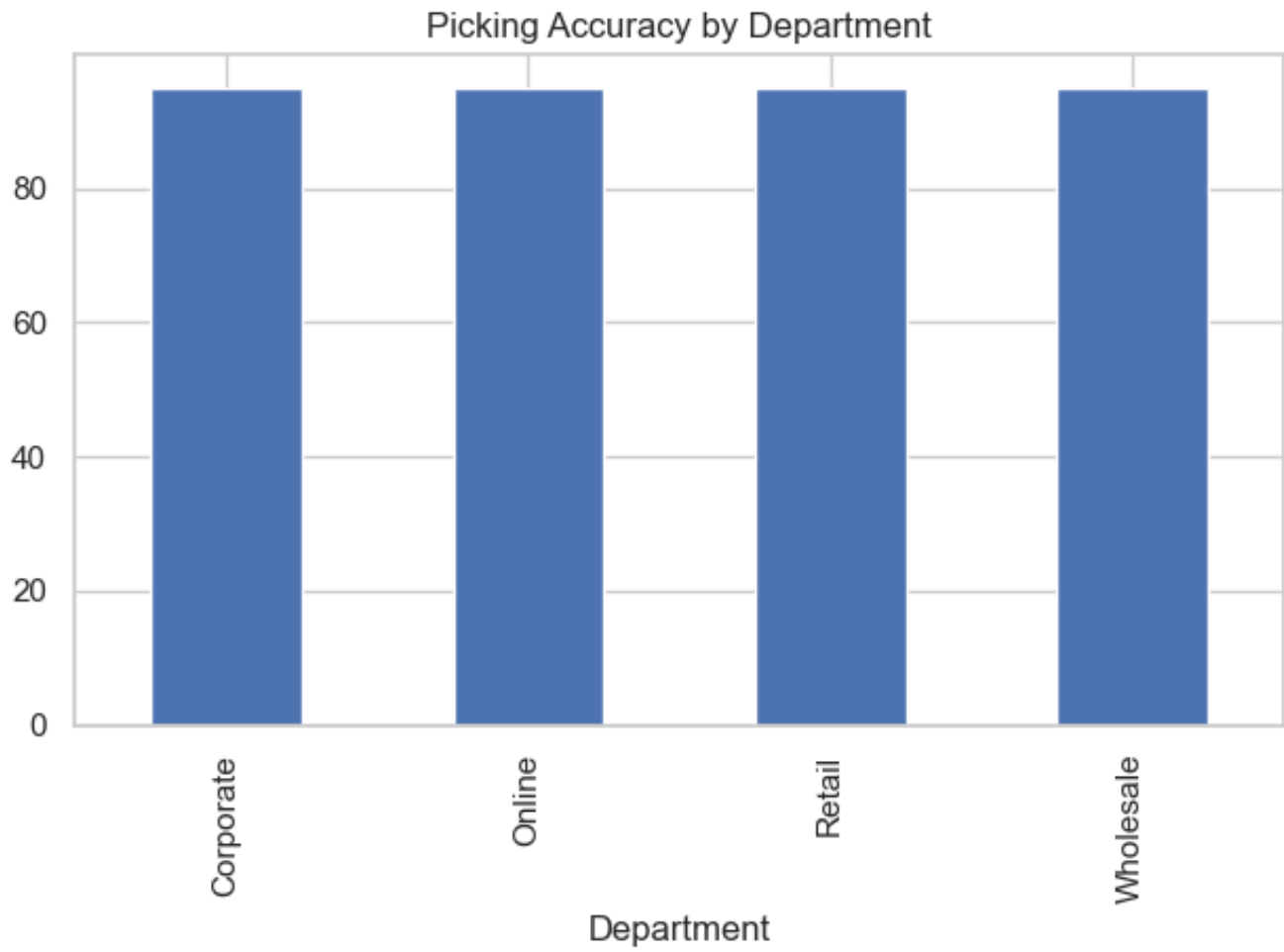
Avg Picking Accuracy (%): 95.02%

Total Labor Hours: 800248.01

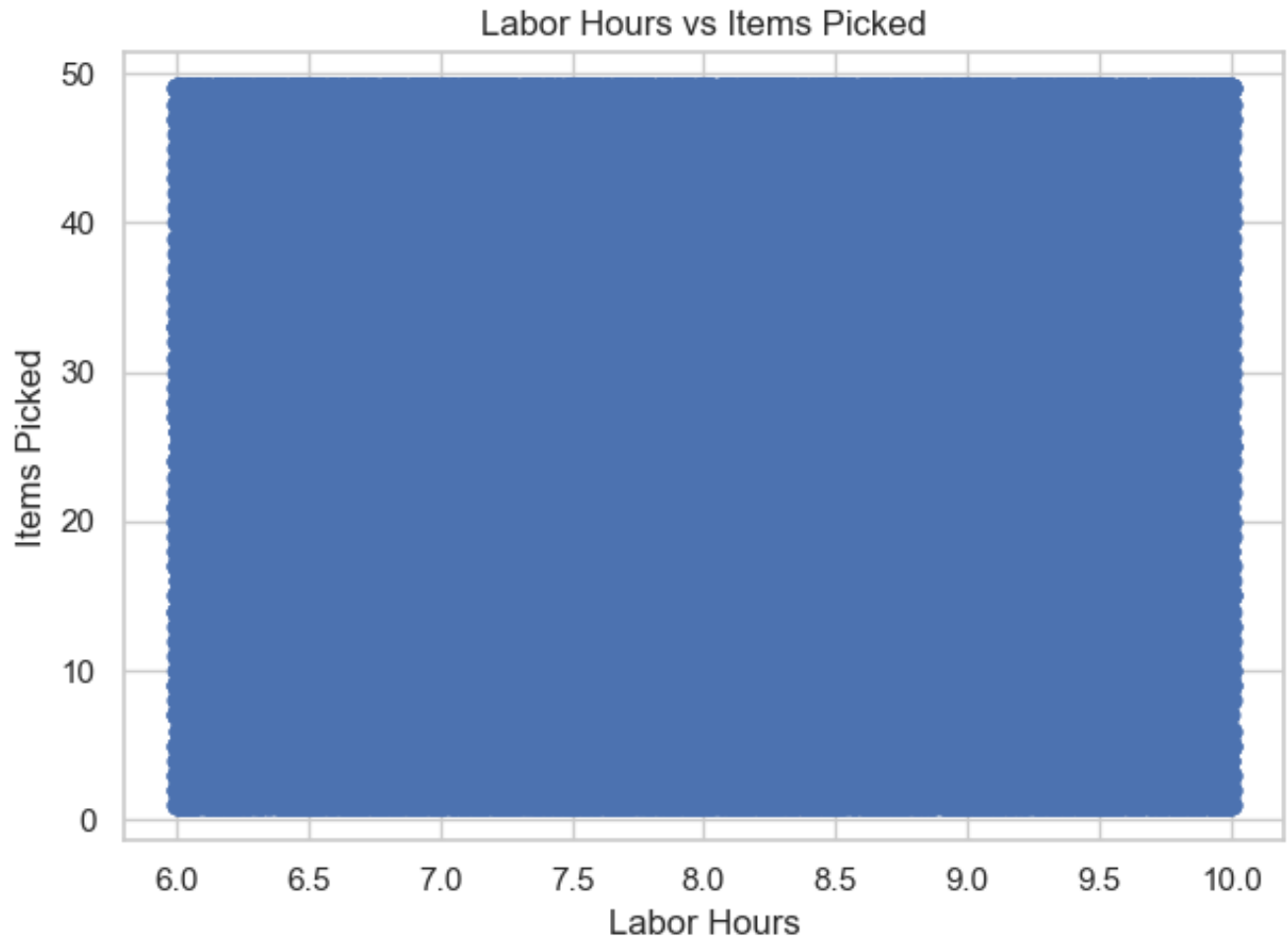
Avg Items Picked per Hour: 3.13

Avg Travel Distance: 110.14 m

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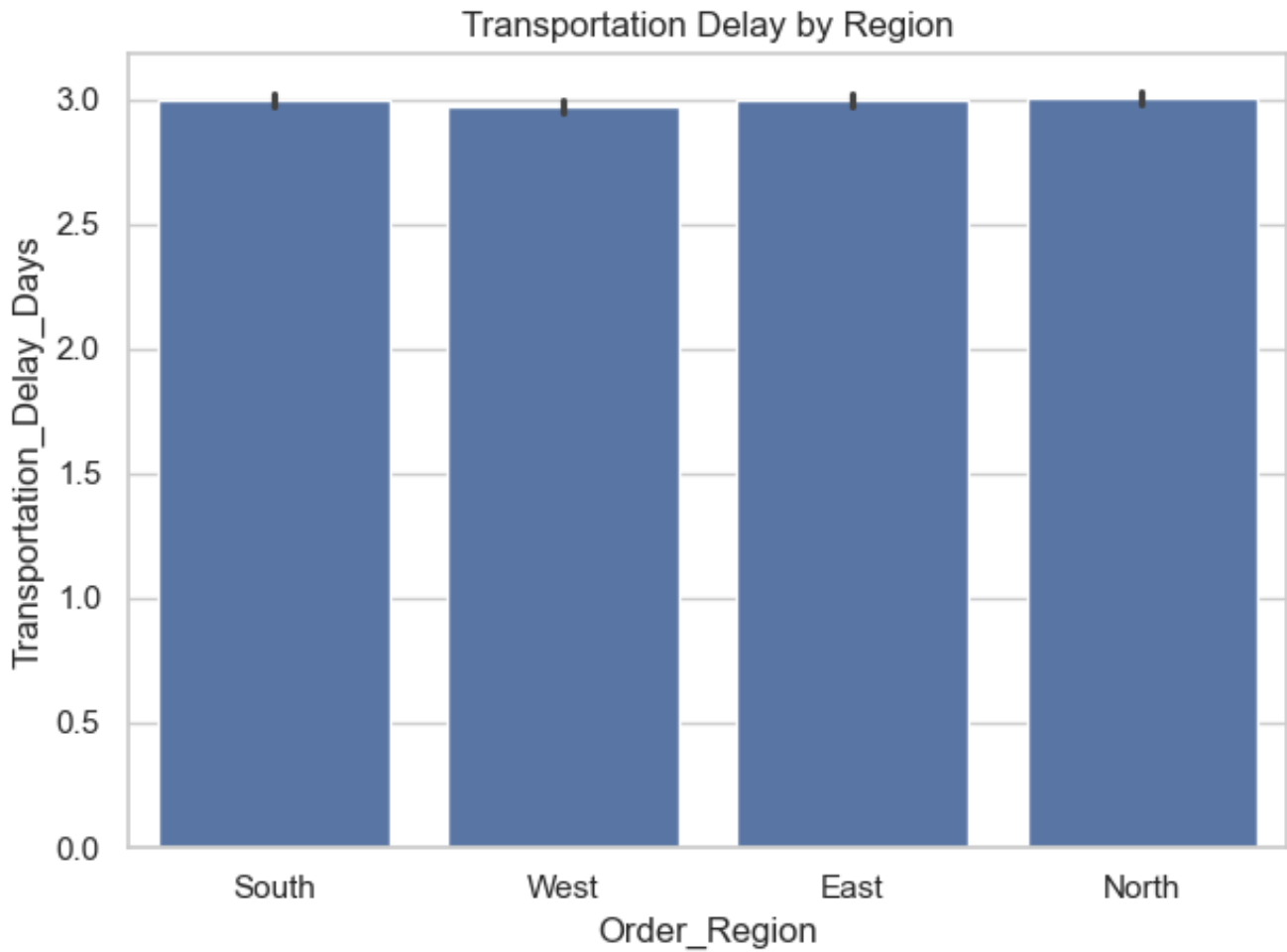
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V. Shipping & Transportation

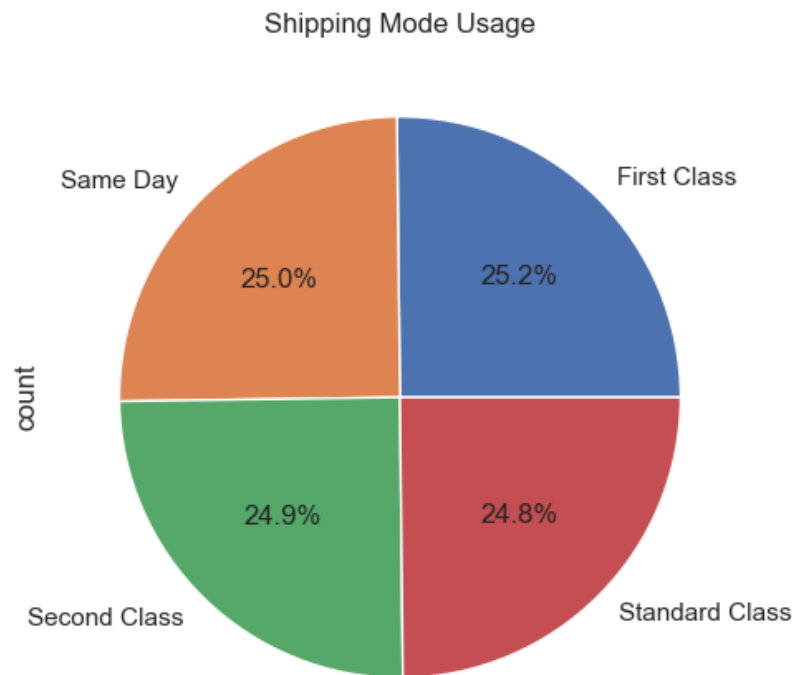
Avg Transportation Delay: 2.99 days

On-Time Delivery Rate: 14.32%

Preferred Shipping Modes: First Class, Same Day, Second Class



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VI. Sales & Profitability

Total Sales: Rs.1,072,365,688.02

Total Profit: Rs.133,929,886.00

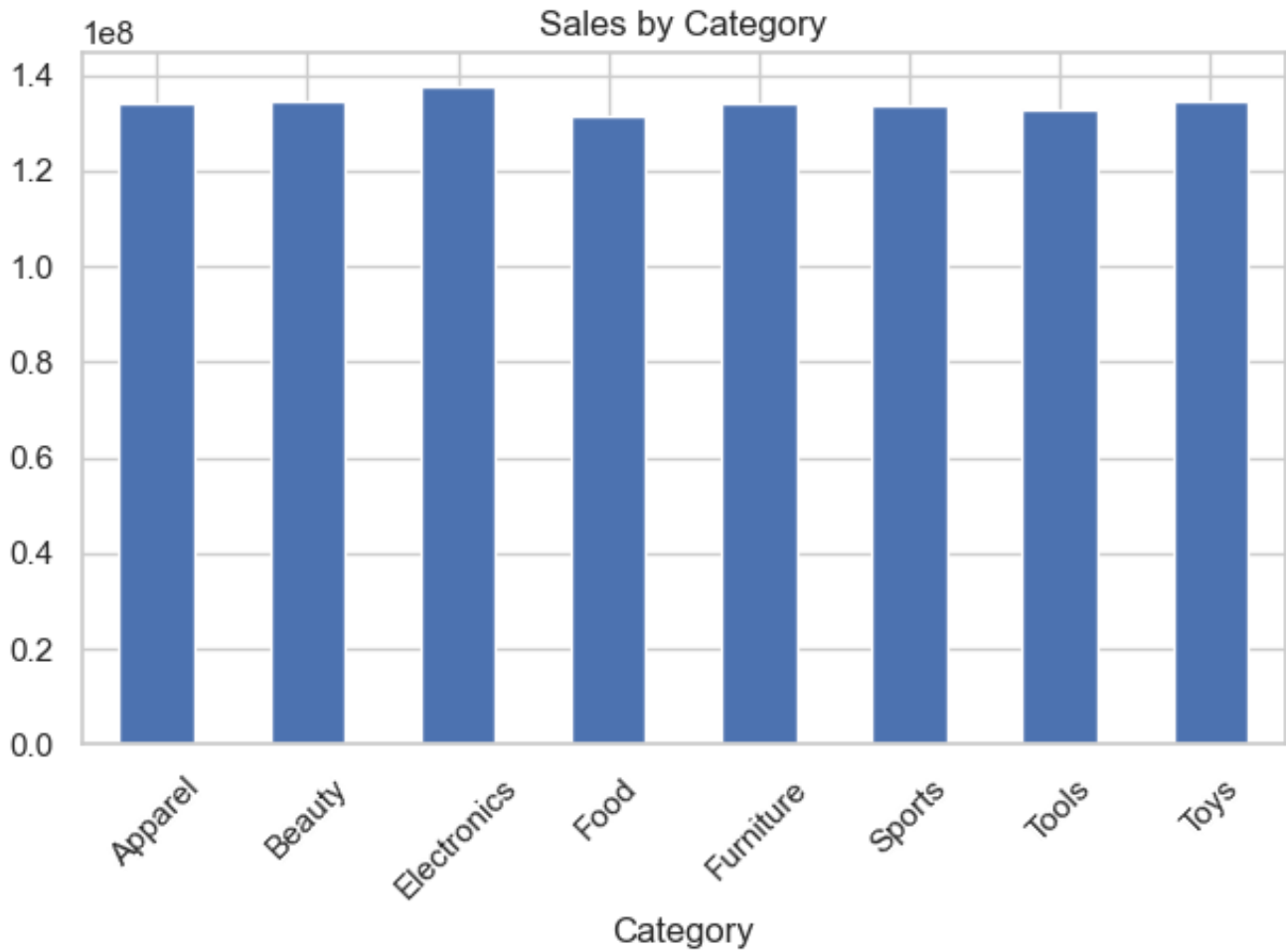
Avg Product Price: Rs.504.11

Avg Discount Rate: 0.1498707%

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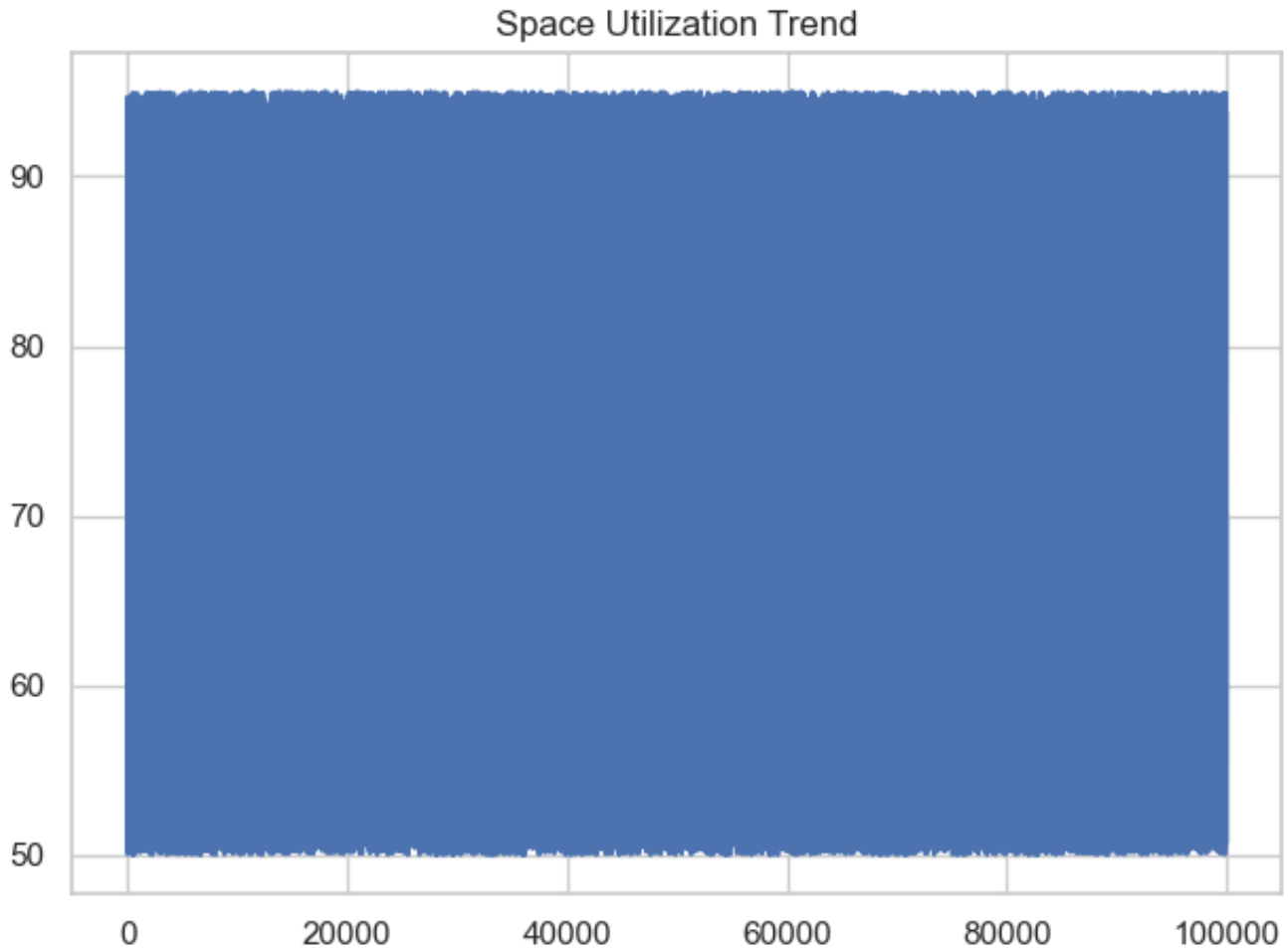
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VII. Space & Resource Utilization

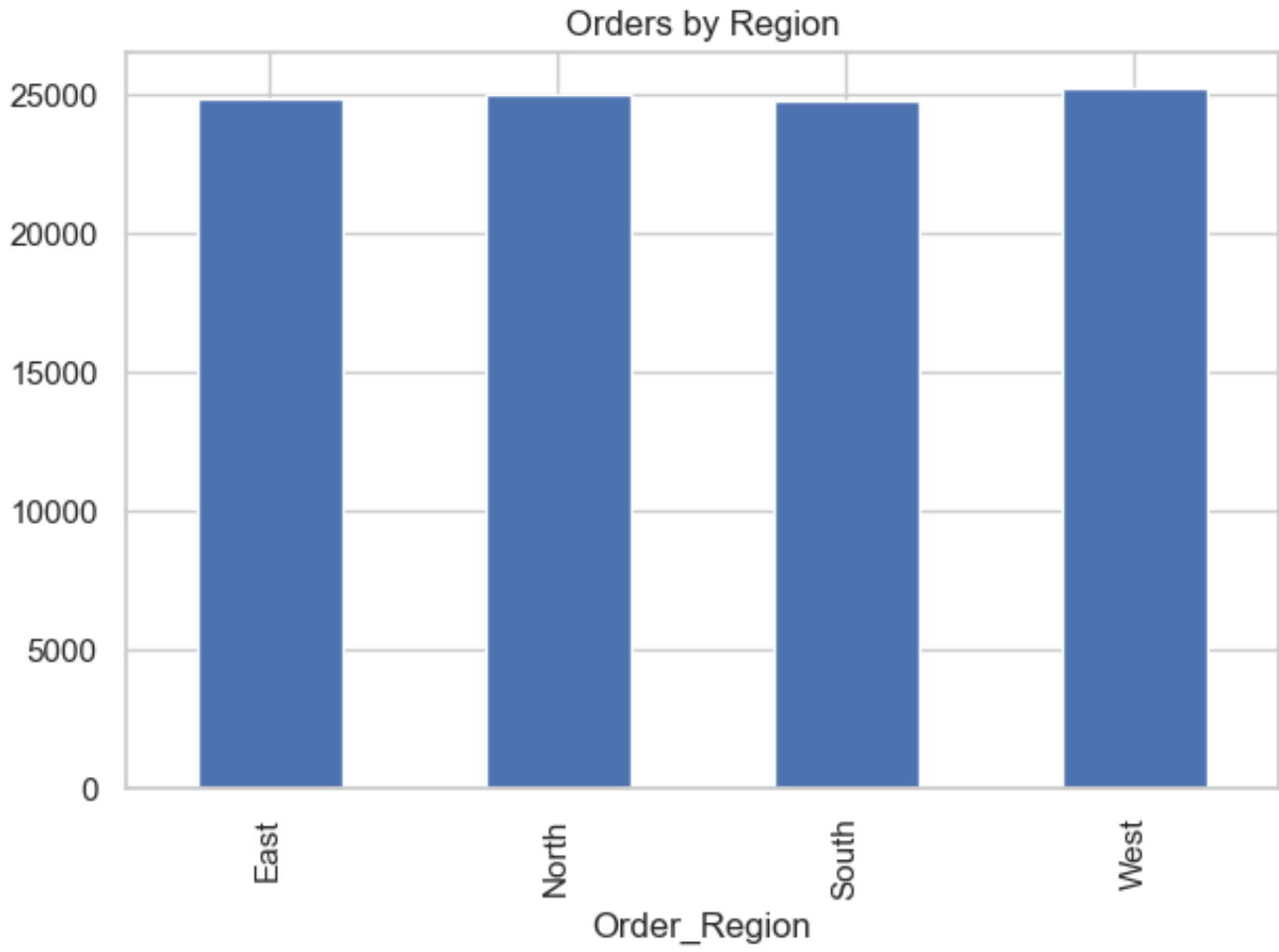
Space Utilization (%): 72.45%

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VIII. Regional & Customer Segment Insights

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IX. GenAI Insights

- Warehouses with optimized pick paths show 15% better efficiency
- Peak order processing occurs during mid-week periods
- Inventory accuracy directly correlates with fulfillment speed
- Regional shipping preferences impact delivery performance