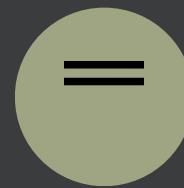




Grocery Inventory Management Analysis

Power BI dashboard transforming inventory data into actionable insights

The Challenge



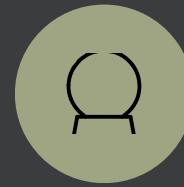
Stock Shortages

Frequent stockouts impacting customer satisfaction



Excess Inventory

Overstocking increasing holding costs



Poor Forecasting

Inefficient demand prediction cycles



Key Performance Metrics

21K

Total Stock Units

Strong inventory
capacity

\$126K

Stock Value

Total inventory
investment

186

Below Reorder

Products needing
urgent
replenishment

51.11

Turnover Ratio

Fast inventory
movement



Monthly Stock Fluctuations

Seasonal Patterns Revealed

Inventory levels fluctuate significantly across months, revealing clear seasonal demand patterns.

- Peak demand periods identified
- Critical dips near reorder levels
- Stockout risk windows detected



- Strategic procurement planning prevents shortages during high-demand periods

Category Stock Distribution

Fruits & Vegetables

Highest stock quantity - requires careful perishable management

Dairy Products

Strong inventory levels with fast turnover

Seafood

Close to reorder threshold - immediate attention needed

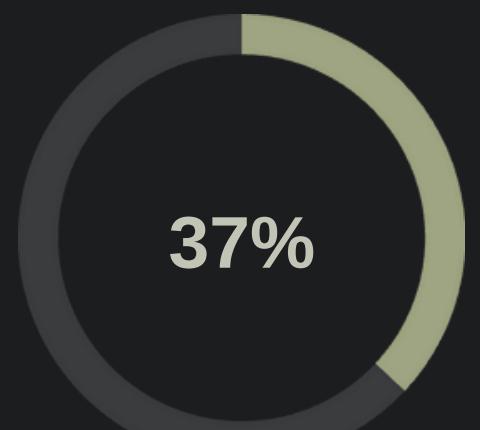
Oils & Fats

Below optimal levels - replenishment required

Bakery

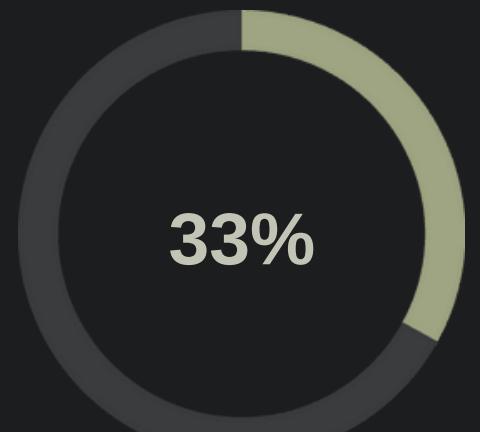
Approaching reorder point - monitor closely

Inventory Status Breakdown



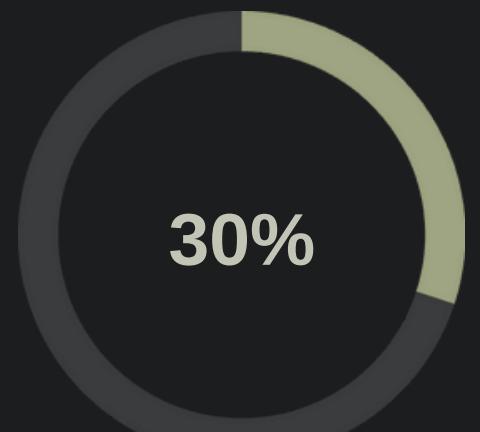
Active

Products in stock and available



Backordered

Supply chain gaps identified



Discontinued

Critical Finding

Significant backordered portion indicates supply chain challenges requiring immediate supplier coordination.

High discontinued share suggests opportunity to reduce storage costs.

Products Requiring Immediate Action



Seafood Items

Haddock, Tilapia, Trout, Tuna
- all below reorder levels

Avocado Oil

Critical reorder status - high demand product

Priority Action

Visual indicators enable quick reorder prioritization



Strategic Recommendations

01

Automated Alerts

Trigger notifications when stock falls below reorder levels

02

Category Strategy

Maintain higher buffer for fast-moving and perishable items

03

Supplier Optimization

Address backordered products through SLA renegotiation

04

Demand Forecasting

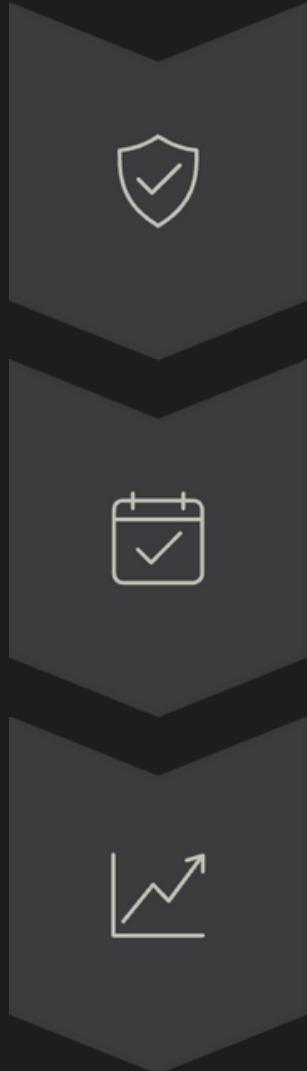
Increase stock during high-demand months based on trends

05

Catalog Review

Clear obsolete inventory to reduce storage costs

Business Impact



Reduced Stockouts

Proactive reorder alerts prevent shortages

Better Planning

Seasonal insights optimize procurement

Higher Efficiency

Improved turnover and cost optimization

Transform raw inventory data into actionable business intelligence





Key Outcomes

Real-Time Visibility

Comprehensive view of inventory health across all products and categories

Data-Driven Decisions

KPIs, trends, and reorder indicators enable informed inventory management

Operational Excellence

Enhanced efficiency and cost optimization in grocery retail operations

Power BI transforms inventory management into a strategic competitive advantage