

Forecasting AI



Grocery retail runs on precision—especially when it comes to planning. With high-velocity SKUs, perishables, seasonal shifts, and supply chain volatility, accurate forecasting is mission-critical. Hypersonix Forecasting AI empowers grocers to anticipate demand at item and store level, ensuring optimal inventory, pricing, and promotion decisions that reduce waste and boost profits. From fresh produce to packaged goods, Forecasting AI helps retailers act early—before stockouts, markdowns, or supplier surprises impact the bottom line.

Core Features



Granular, SKU-Level Demand Forecasting

Predicts demand by product, location, and time—accounting for trends, holidays, weather, and local events.

Best Fit: Anticipating weekend spikes in grilling items or weekly demand for fresh greens and dairy.



Promo & Price-Aware Forecasting

Incorporates upcoming promotions and price changes into demand projections—so plans align with reality.

Best Fit: Modeling demand surges during storewide sales or vendor-funded cereal discounts.



Perishable Inventory Optimization

Forecasts sell-through for short shelf-life products to reduce shrink and avoid overstock.

Best Fit: Managing orders for deli meats, prepared salads, or seasonal produce with limited shelf life.



Multi-Channel Forecasting (In-store & Online)

Aligns demand plans across physical stores and digital channels, including delivery and pickup.

Best Fit: Balancing inventory for in-store shoppers and online orders during festive weeks or weather disruptions.



Supply Chain Disruption Alerts & Adjustment Suggestions

Detects early indicators of supplier delays or logistical disruptions and adjusts forecasts accordingly.

Best Fit: Preparing contingency stock plans ahead of potential delays in beverage or snack shipments.

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