

PwC's AI-enabled capability turns Planalytics weather insights into real-time decisions

Leverage agentic AI to make Planalytics insights more accessible by layering weather signals, demand behaviors, and supplier data into one intuitive interface for business users.

Benefits



Forecast with confidence

Enhanced accuracy with weather signals.



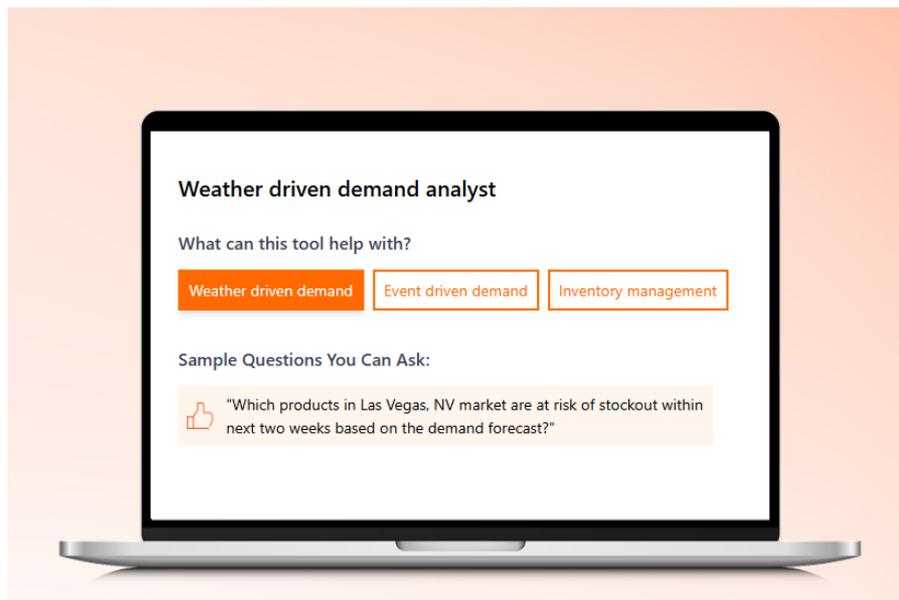
Enhance inventory and replenishment

Reduce waste and avoid stockouts.



Empower business users

Put actionable weather insights directly in the hands of planners.



Store Manager Example

pwc Product Demand Forecasting Insights

Charlotte, nc, North carolina
STORE MANAGER



Weather Impact Highlights

Weather Type : Normal

08 Nov, 2025 to 15 Nov, 2025 Multiple fast-selling items out of stock; restocking needed for next week.

Weather Demand Forecast (08 Nov, 2025 to 15 Nov, 2025)

22.1%

Smoothies demand

-24.2%

Desserts demand

Inventory & Stocking (08 Nov, 2025 to 15 Nov, 2025)

- **Bottled Water** - Out of stock
- **Tomatoes** - Out of stock
- **Salads** - Out of stock



Alert — Multiple fast-selling items (Bottled Water, Tomatoes, Salads) are out of stock for next week. Immediate replenishment is required.

Upcoming Event – Store ST2700 for week end from 11-09-2025 to 11-15-2025

→ **Veterans Day** on **2025-11-11** – National Holiday ahead.

Overall WDD Outlook – Store ST2700 for week end from 11-09-2025 to 11-15-2025

→ **+0.95%** weather-driven demand vs normal.

Top WDD Category – Store ST2700 for week end from 11-09-2025 to 11-15-2025

→ **+19.50%** surge expected for **Total Fleece**.

Restock Priority – Next Week (Store ST2700) for week end from 11-09-2025 to 11-15-2025

→ **79** extra **Smoothies** units needed; (\$435.39) revenue at risk.

Event Stock Check – Veterans Day Top Seller (Store ST2700) for week end from 11-09-2025 to 11-15-2025

→ **0** units of **Coffee & Tea** in stock vs 583 sold last Veterans Day.

Largest Product Sales Change – week end from 11-09-2025 to 11-15-2025 vs prior week (Store ST2700)

↑ **100%**

vs last week

Firewood demand doubled

Firewood sales jumped from 36 units last week to



FAQ

Chat History



U USER SM-1

Why was bottled water out of stock?

D Demand Forecasting Agent

Key Insights

- 1. Demand has accelerated into Fall 2025** – weekly bottled-water sales averaged **114 units** during 09-06-2025 to 11-08-2025, +22 units per week versus the same span in 2024.
- 2. Record week on 10-11-2025** – **139 units** sold with **\$139 revenue**, no discounts applied, underscoring organic demand rather than promotional spikes.
- 3. Inventory cushion is thin** – only **61 units** of total Non-Perishables remained on 11-08-2025; given bottled water contributes ~15 % of category sales, this equates to roughly **0.5 weeks of cover** for water, well below the 2-week safety threshold.
- 4. Discounting is modest** – average markdown on bottled water over two years is **\$2.4 per week** (≈2 % of revenue), suggesting price is not the primary driver of demand surges.
- 5. Early-season shortfalls** – the lowest ten weeks (Dec 2023–Jan 2024) show unit sales dipping to 80-92 but still steady; any simultaneous supply issues then likely masked early signals of chronic under-ordering.

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CFO/Finance Manager Example

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CFO

Regional Performance and Overstock Hotspots

0%

Eastern North Central region showed no week-over-week change in sales units, indicating demand stability. This consistent performance suggests the region is maintaining its sales momentum without any significant disruptions or spikes in consumer activity. Monitoring this steady trend can help optimize inventory allocation and reduce unnecessary stock fluctuations.

17.97%

Southwest Coast region experienced the highest overstock rate at nearly 18%, indicating excess inventory compared to weather-adjusted demand. This surplus could lead to increased holding costs and potential spoilage if not addressed proactively. Implementing targeted promotions or inventory redistribution may be necessary to mitigate overstock risks.

15.81%

Eastern North Central region also shows elevated overstock levels with nearly 16% excess inventory, potentially impacting profitability. Overstock can lead to increased storage expenses and possible markdowns if products approach expiry. Consider reviewing replenishment strategies and demand forecasts for this area.

Next Quarter WDD Demand (02-07-2026 to 05-07-2026)

→ +3.11% WDD uplift forecast for **Southwest - Aspen, Co** in Q1 2026.

Expiring Inventory Risk - Week 11-09-2025 to 11-15-2025

Stockout and Shelf Life Risk Alerts

26K units

Northeast region recorded the highest weather-driven stockout loss, with over 26,000 units lost due to unmet demand. This substantial loss highlights vulnerability to weather impacts in inventory planning and calls for strengthening stock forecasting and replenishment in high-risk areas.

79%

Overall stockout rates remain high, with 78.99% this week and 79.54% in the previous week across all stores. This persistent shortage represents a systemic risk that can erode customer satisfaction and lead to lost sales. It is crucial to identify underlying causes, such as supply chain bottlenecks or inaccurate demand forecasts.

302K units

Total lost units due to stockouts reached over 302,000 for the week, highlighting a major opportunity to recover sales through improved inventory management. Addressing root causes, such as supply chain inefficiencies or inaccurate forecasts, could reduce this substantial loss.

Dominant Weather Pattern - Next 2 Weeks (15-11-2025 to 22-11-2025)

→ **HEAVY RAIN** expected in **South Central** - 812 rain-affected weeks logged.

Biggest Weekend WDD Shift: 09-11-2025 vs 15-11-2025

Financial Loss Forecast: Shelf Life & Overstock Risks

\$20K

Northeast region faces the highest predicted financial loss, with shelf life and overstock-related risks totaling approximately \$20K for the week. This loss is mainly driven by perishable items not sold before expiry and surplus stock subject to markdowns. Prioritize clearance initiatives and dynamic pricing to reduce inventory write-offs.

\$17K

South Central region is projected to lose around \$17K due to shelf life expiry and overstock, making it the second largest financial risk area. This emphasizes the need for dynamic inventory adjustment and targeted markdowns to mitigate future losses.

\$16K

Southeast region is forecasted to lose approximately \$16K due to shelf life and overstock issues. The loss is a result of unsold perishable inventory and excess non-perishable stock. This highlights the importance of regular stock reviews and aggressive promotional strategies to clear at-risk products.

Next Week's Top WDD Product (11-09-2025 to 11-15-2025)

→ **Cleaning Supplies** lead with **1.71%** WDD lift in Minneapolis, MN.

Top Sales Region - Week Ending 2025-11-01

→ **Northeast** led with **\$1.42 M** in sales revenue.



FAQ

Chat History

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U USER CFO-1

What region has the most sales opportunity over the next 3 months?

D Demand Forecasting Agent

Demand Analysis - Region Level

Total records: 8

Ordered by: Percentage vs Last Year (desc)

REGION	PERCENTAGE VS LAST YEAR (%)
northeast	+0.49%
western north central	+0.41%
eastern north central	+0.37%
southeast	+0.26%
south central	-0.36%
southwest coast	-0.48%
southwest	-0.51%
northwest	-2.62%

Notes on columns:

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