accenture

Challenge 6: Supply Chain & Warehouse Forecasting AI

GenAI Hackathon

03.12.2025

Andrea

Antonia

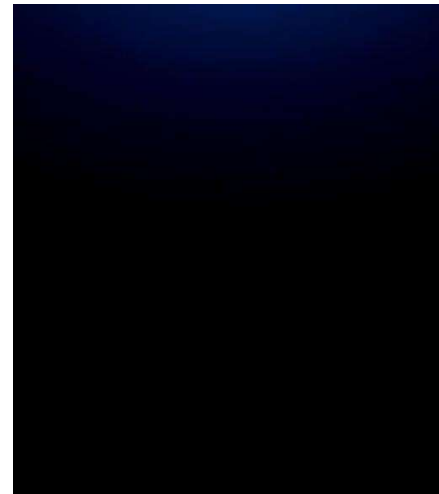Markus

Martin

Max

First things first… our team

Supply & Demand Avengers

Feat. „The Forecastinator"

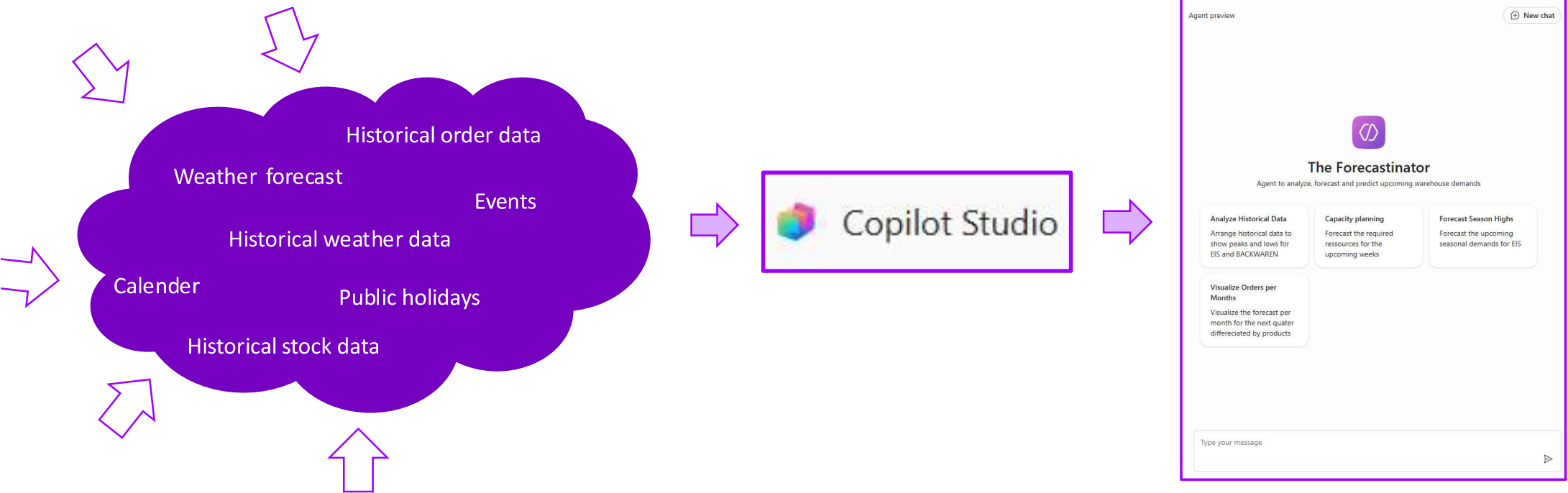Heroes taking on the challenge of stockouts and excess inventory

Watch now

Hackathon Challenge 6: Supply Chain & Warehouse Forecasting AI

Our use case: Schwarz Produktion

→ BonGelati & BonBack for ice cream and bakery

Cloud data sources:
- Historical order data
- Weather forecast
- Events
- Historical weather data
- Calender
- Public holidays
- Historical stock data

Copilot Studio

The Forecastinator
Agent to analyze, forecast and predict upcoming warehouse demands

Analyze Historical Data
Arrange historical data to show peaks and lows for EIS and BACKWAREN

Capacity planning
Forecast the required ressources for the upcoming weeks

Forecast Season Highs
Forecast the upcoming seasonal demands for EIS

Visualize Orders per Months
Visualize the forecast per month for the next quater differeciated by products

Agent preview   New chat

Type your message

AI-Driven Demand Forecasting
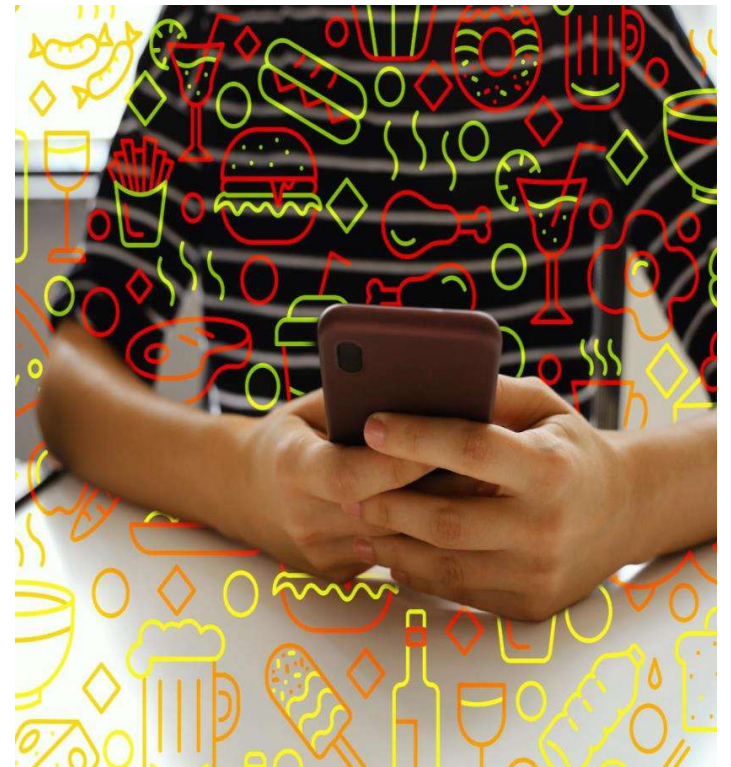
Pattern Recognition in Sales

The **Forcastinator** detects **trends**, such as higher ice cream sales during hot weather and bakery items in winter.

Event-Based Demand Prediction

It **forecasts spikes** in demand for products during festivals and special occasions and detects anormalities

Comprehensive Data Analysis

The system combines weather, events, inventory and order history to refine **demand forecasting** for better decision-making (staffing, replenishment, etc.)

The FORECASTINATOR

Futher ideas

🗄	Automated data extraction from SAP

⛈	Update planned forecasting with current days weather forecast

✓	Shift planning

🧮	Calculate storage needs

🚆	Better transport planning

	... triggered by a workflow

Thank You