



Generative AI + Reinforcement Learning for Demand Planning and Forecasting

Accurately establish demand plan by inspecting available resources and capacities instantaneously forecasting the intersection with consumer demand



Rapid shifts in supply and demand wreak havoc on operations planning. Identifying the nuances of skillset and raw material supply to production capacity and consumer demand can mean the difference between profitability and failure. While most organizations use historic data to make decisions about resource and capacity plans, leading companies are implementing advanced capabilities that anticipate consumer demand, analyzing data from across the supply chain and modeling that against data on the economy, climate, and skillset availability to optimize those plans to improve market share and profitability.

Understanding the hundreds of data points from within *and* outside the enterprise provides a more accurate model of consumer demand, which is matched to available supply and capacity. Indeed, demand planning is the prime catalyst for forecasting AI transformation projects.

UBIX is transforming demand planning and forecasting with a SaaS platform that enables business users to drive AI innovation. UBIX is a secure and flexible patented no-code platform can be up and delivering value in days not weeks or months.

Using Generative AI and Reinforcement Learning to Improve Demand Planning and Forecasting

UBIX helps business leaders get actionable insights in real-time while maintaining security and privacy and frees data analysts to innovate instead of generating reports



The screenshot shows a dashboard with the following data points:

- Cumulative Projected: \$438.91K
- Cumulative Actual: \$450.89K
- Cumulative Accuracy: 97.27%
- Growth Trend: 2.73%

Below these are two charts: a 'Trends & Forecast' line graph and a 'Contribution graph' heatmap showing activity across days of the week (Sun-Sat) from Jan to Dec.

If you are an operations executive interested in leveraging the power of AI to empower business leaders to make better decisions without the need for specialized tools and resources, then AI transformation has never been easier with UBIX:



Resource and Capacity Planning

Use UBIX to model an in-depth understanding of resource capabilities, the demands of each task executed by a business, realistic timelines for projects, and an effective resource strategy.



Supply Chain Visibility

Use UBIX to mitigate risk and limit disruptions by understanding all data associated with goods in transit. Provide a clear view of the inventory & activity to improve customer service & capacity planning.



Model and Forecast Consumer Demand

Use UBIX to understand and assess the maturity of the market business cycle, market niche and growth potential relative to competitive options to accurately predict consumer demand.



Map Demand Plan to Demand Forecast

Use UBIX to sense and respond to consumer demand and supply chain variability as it occurs in real-time to recalibrate resource and capacity plans as well as inventory levels.

