

Demand Forecasting and Replenishment Solution

About:

CogniTensor's Demand Forecasting and Replenishment Solution is a combination of correlation analytics and prediction dashboards that are specially designed to assist you in addressing various supply chain management objectives. These objectives range from optimised management of resources to making necessary product allocations in accordance with predicted demand. We enable you to achieve these objectives with a combination of advanced data analytics and data-driven forecasting, in order to provide you with actionable insights.

The predictive analytics use bespoke combinations of cutting-edge machine learning and deep learning models, backed by advanced research. These algorithms have been tailored specifically to handle the complex data coming from retail industries and organisations that deal with multiple stores, channel partners, retailers, online platforms and various other sources. The entire system is developed on a state-of-the-art platform, backed by open source technologies.

Each component is highly customizable in terms of data and other relevant specifications in order to cater to your needs in today's dynamic business environment.

After the successful deployment of the solution, we will continue to improve and tweak the components of your dashboard, both from the front-end as well as the back-end, readily accommodating any customisation request that may arise in between. The result will be a robust AI powered dashboard, with the help of which you can track all your KPI metrics and gather powerful insights in order to make data-driven decisions for all business related operations.

Features and Capabilities:

- Predicting item-wise demand **avoiding overstocking and understocking**
- Categorizing products based on **sell-through rate**
- **Real Time replenishment strategy** for maximising profitability
- Recommendation for **store-wise reorder level** of product-mix
- Data-driven Strategy for **optimal allocation of SKUs**
- **Self-learning** predictive models that adapt to your needs, constantly evolving to deliver superior performance
- **Easy integration support** with databases management systems such as Oracle, Postgres, etc.

- Round the **clock monitoring** via an intuitive web app and on-the-go tracking through a dedicated mobile app