

# Data warehousing and Data Mining

## SYNOPSIS

### Forecasts for Product Demand

**Project Description:** A product demand forecasting system, an ML-based approach to make accurate forecast for thousands of product demand, based on the previous sales and production records.

**Objectives:** To implement the use of various machine learning and deep learning algorithms to enhance the accuracy of the system and making accurate forecasts for thousands of different products.

**Scope:** Can be used by companies to make forecasts for thousands of products (some of them are highly variable in terms of monthly demand) for the month after next, and prepare production plan and manage the inventory accordingly, which in turn results in efficient resource utilization and maximizing profits .

**Software Requirements:** Jupyter Notebook, Talend, Rapid Miner

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