

# I2.01 – Demand Planning / Forecasting

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## Problem Statement

- Lack of Interactive Dashboard:** No existing dashboard for demand forecasting and comparison.
- Absence of user-friendly manual:** No manual to guide new users in using the forecasting code and dashboard.
- Overall Impact:** These issues hinder nontechnical users from making well-informed decisions in supply chain management and demand planning.

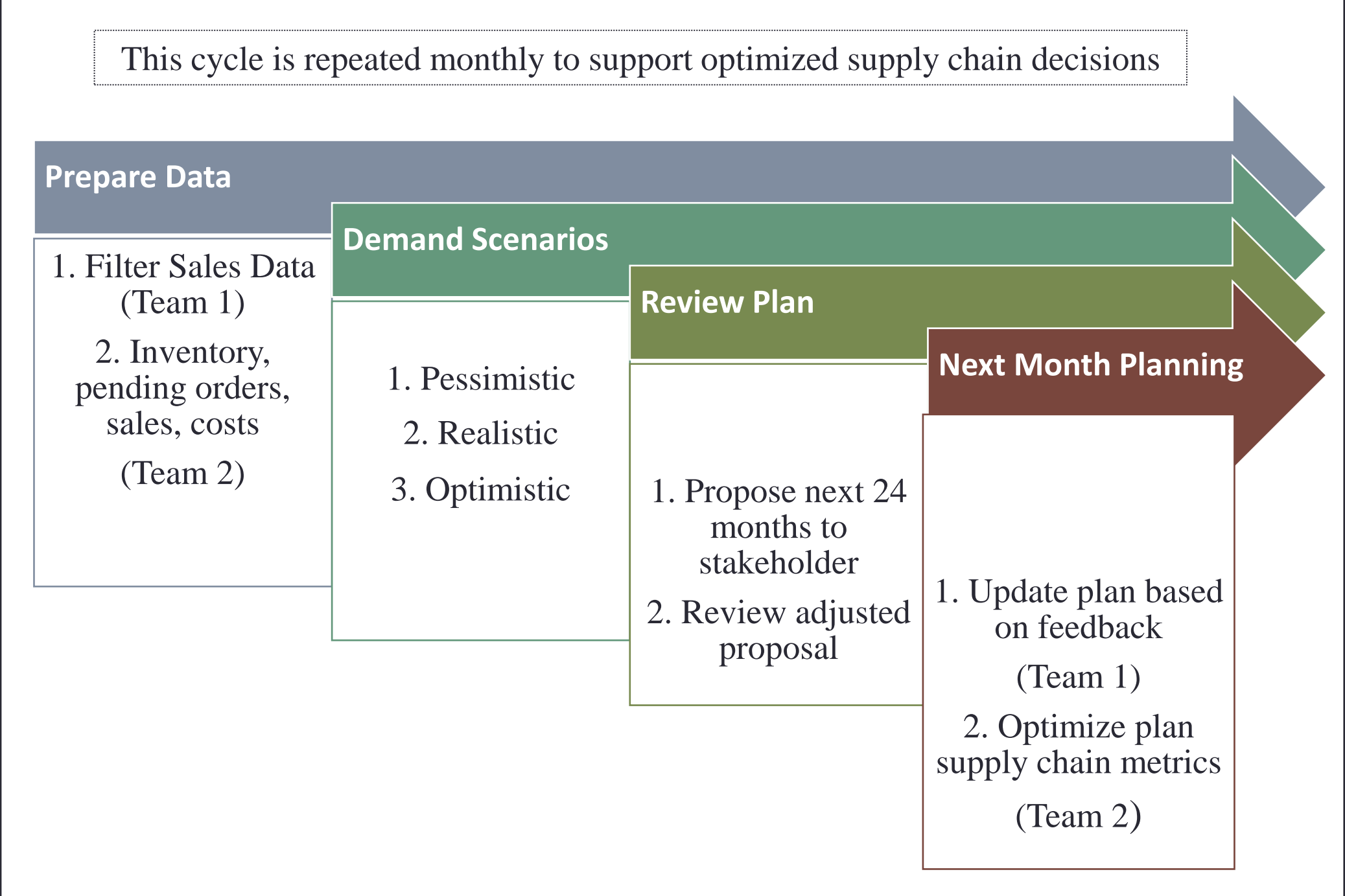
## Project Deliverables

- Dynamic Dashboard:** Create methodology to follow for supply chain optimization.
- Forecast Model:** Establish monthly-updated demand scenarios over two-year planning horizon.
- User Manual & Training:** Create a clear manual to guide nontechnical users in understanding and using the dashboard.

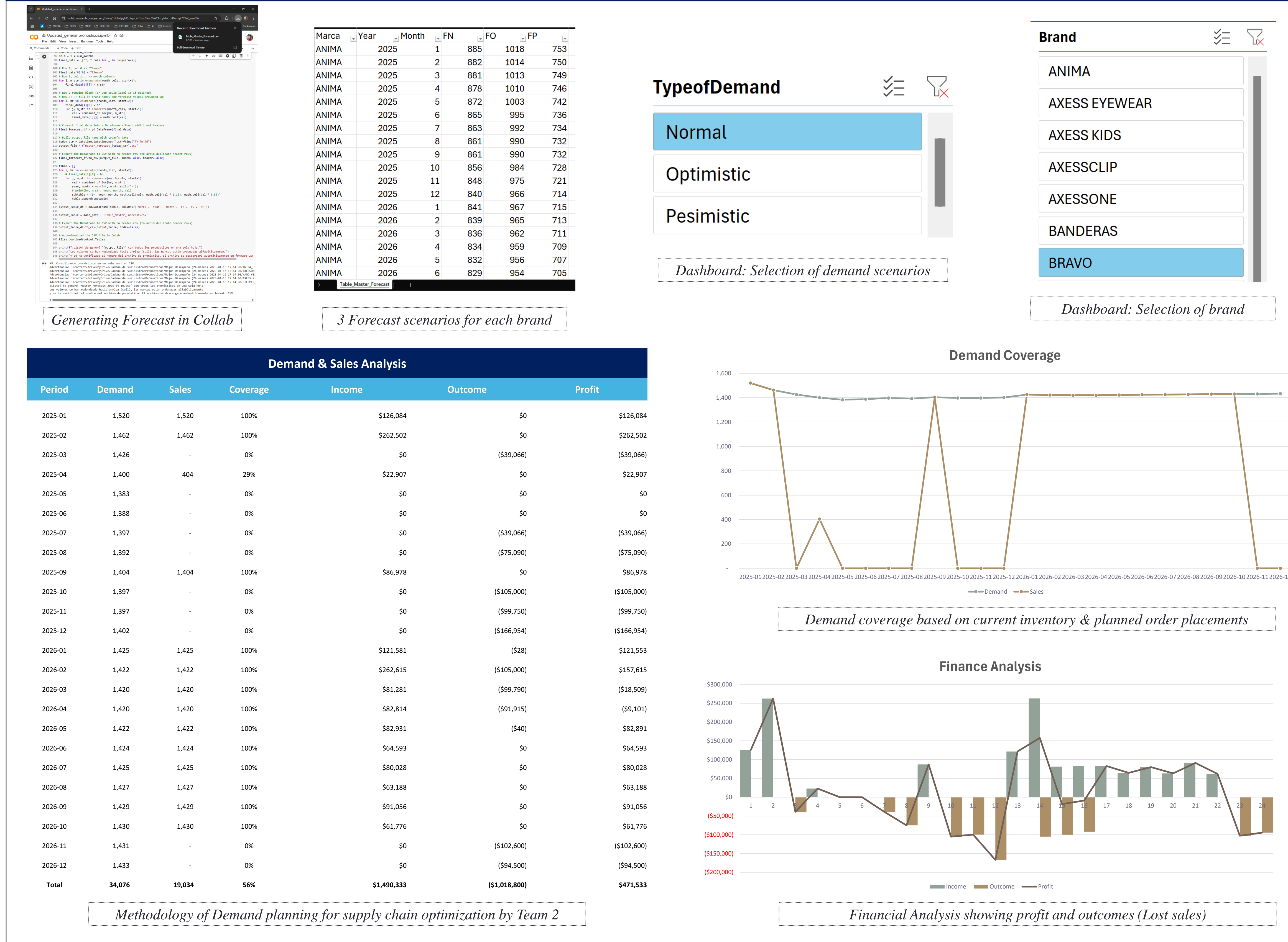
## Project Benefits

- Better Decisions:** The dashboard and model help all users, even nontechnical ones, make timely, data-driven supply chain choices.
- Easy to Use:** Manuals and training make the tools accessible for users of any background.
- Smarter Planning:** Two-year forecasts help prevent stockouts or overstocking and improve supply chain flow.

## Methodology Cycle



## Project Methodology & Results



## Forecast Model & Code

