

Demand Forecaster – Quick Reference Guide

Purpose

This tool helps planners and analysts forecast demand using weighted moving averages, medians, and empirical factors such as promotions, events, and holidays.

Common CLI Commands

Command	Description
forecast-cli run --sales sales.csv --freq D --horizon 14 --output forecast.csv	Daily forecast for 14 days
forecast-cli run --sales sales.csv --freq W --horizon 8 --output forecast.csv	Weekly forecast for 8 weeks
forecast-cli run --sales sales.csv --freq M --horizon 6 --output forecast.csv	Monthly forecast for 6 months
--events events.csv	Include holiday/event data
--promos promotions.csv	Include promotion/discount data

Typical Workflow

1. Collect data: Sales, Events, Promotions (CSV format).
2. Run forecast via CLI or Python API.
3. Review output in outputs/forecast_.csv.
4. Visualize results in Excel, BI tool, or Jupyter Notebook.
5. (Optional) Apply advanced recipes in demo_notebook.ipynb.

Forecast Output Format

Each forecast result is stored as CSV with the following columns:

date, region, store, item, forecast