

ForecastAI

INTELLIGENCE REPORT: SALES TRANSACTION

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Dataset: test_upload.csv

Analysis Confidence: 72/100 (MEDIUM)

Executive Summary

Forecast predicts Stable demand trend with projected revenue of \$1,622,947.

50

DETAILED ROWS

Excellent

FORECAST ACCURACY

\$1,622,947

PROJECTED REVENUE

Business Opportunities

Lean Inventory Opportunity

Stable demand patterns allow for reduced safety stock.

Recommended Action: Reduce safety stock coverage by 1 week.

Financial Outlook

\$1,622,947

PROJECTED REVENUE

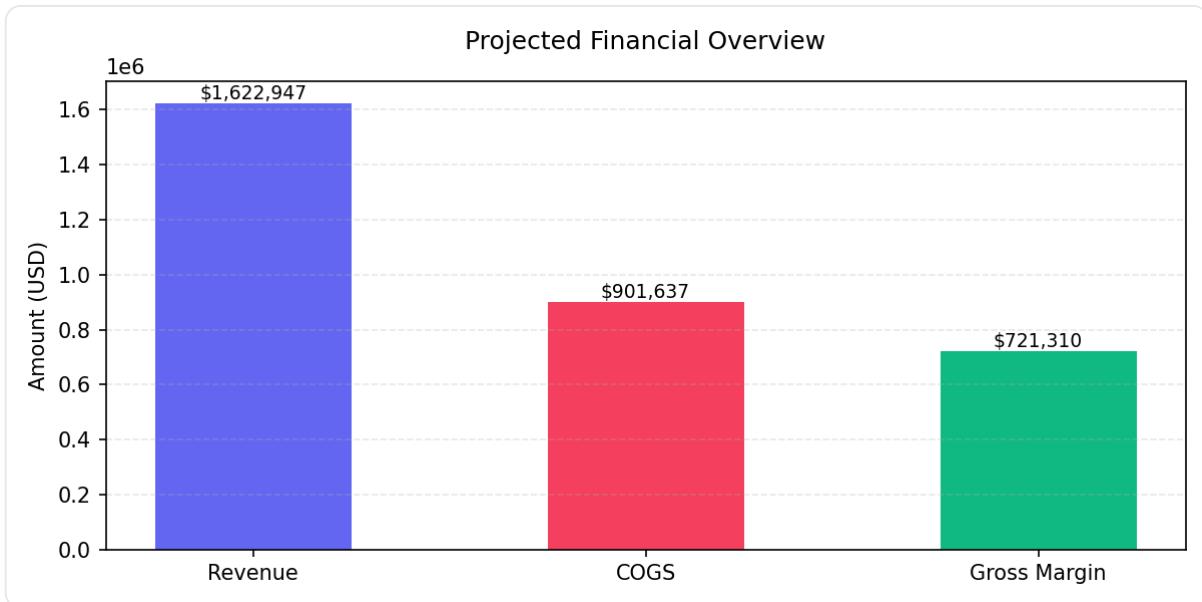
\$721,310

GROSS MARGIN

44.4%

PROFITABILITY

Projected Financial Breakdown



Strategic Action Plan

Immediate Actions (This Week)

- Review inventory levels for next 14 days
- Share forecast with key suppliers

Short Term Focus (Next 30 Days)

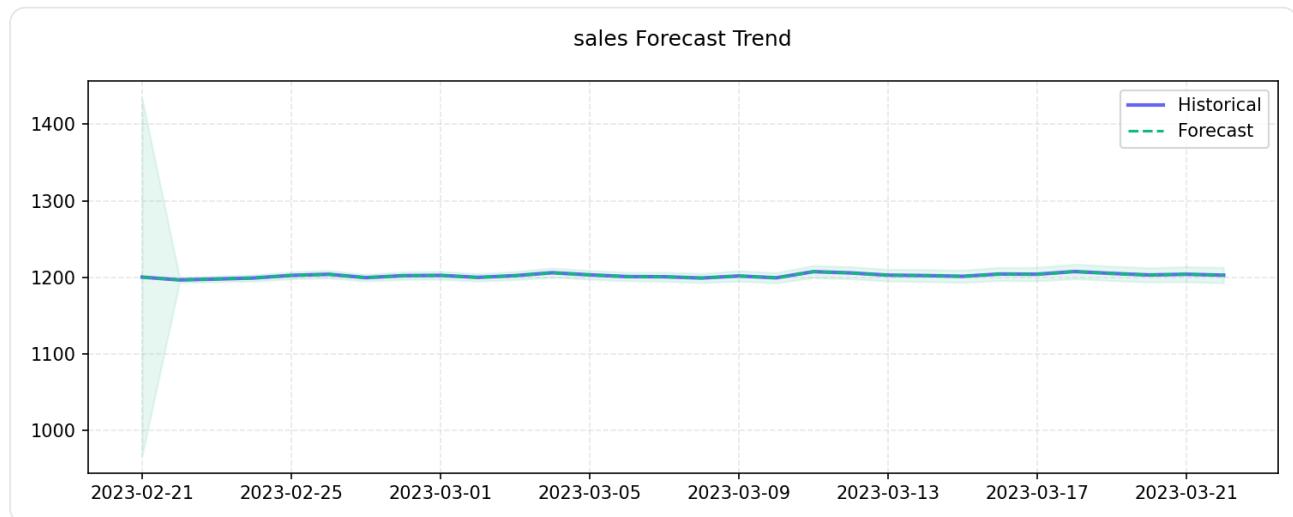
- Adjust marketing spend based on projected peaks
- Plan workforce staffing for identified high-volume weeks

Strategic Goals (Quarterly)

- Evaluate supplier performance matches
- Consider contract renegotiation based on volume projections

Detailed Visual Analysis

Forecast Projection



Projection includes % confidence intervals showing range of probable outcomes.

Model Performance

Metric	Value	Interpretation
MAPE	0.17%	Average percentage error (Lower is better)
RMSE	2.71	Error magnitude in unit terms
Model Used	Ensemble	Selected for best performance on this dataset

Strategic Recommendations

1. Reduce safety stock coverage by 1 week.

Expected Outcome: Stable demand patterns allow for reduced safety stock.

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