

Data Format Help



## Dashboard Settings

### Your Data

Upload your sales CSV file



Drag and drop file here

Limit 200MB per file • CSV

Browse files

adult\_retail\_data.csv 7.2MB



Using your uploaded file

### Forecast Settings

Predictions start from your latest data date

How do you want to forecast?

- Days from Last Date
- Specific Date Range
- Next N Business Days

Number of days to predict:



30

### Advanced Settings

Forecasting algorithm:



Prophet (Default)



Prediction confidence level:



95

Account for holidays



Seasonal pattern focus:



Weekly

### Display Settings

- Show prediction range
- Show data tables
- Show accuracy metrics
- Show business insights
- Show data quality check
- Show business alerts

### Visual Settings

Chart appearance:



Dark

Chart height:



600



800

# Retail Sales Forecasting Dashboard

Professional forecasting system for retail business intelligence

Using uploaded file: adult\_retail\_data.csv

Data processed successfully! 136600 records, 365 days

## Key Business Metrics

Quick snapshot of your sales performance

Total Products Sold

Average Per Day

Business Direction

Active Stores

**8,419,222**

**23,066 units**

**Growing**

**25**

All-time sales volume

Daily sales average

+13.0%  
Current business trend

50 unique products

Model trained successfully! Ready for forecasting.

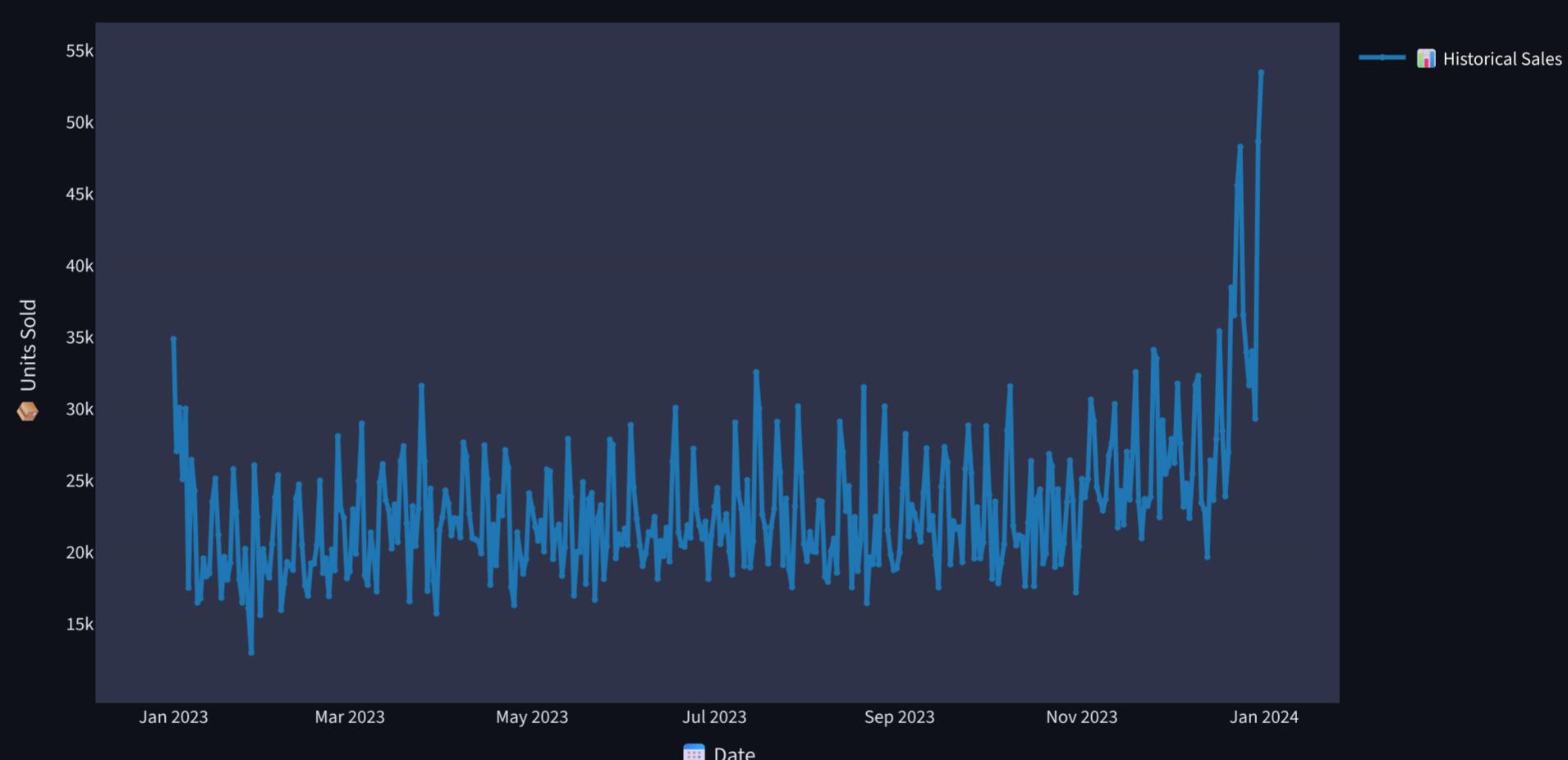
## Sales Forecast Chart

Predicted sales for upcoming days

Forecast Period: 01 January 2024 to 30 January 2024

Showing next 30 days from 31 December 2023

### Sales Forecast for Next 30 Days



## What You Should Do?

Simple actions based on predictions

### Next 7 Days Prediction

- Sunday (12 Nov): ~19,515 units - Low Sales Day
- Monday (13 Nov): ~12,659 units - Low Sales Day
- Tuesday (14 Nov): ~12,233 units - Low Sales Day
- Wednesday (15 Nov): ~11,246 units - Low Sales Day
- Thursday (16 Nov): ~10,297 units - Low Sales Day
- Friday (17 Nov): ~9,049 units - Low Sales Day
- Saturday (18 Nov): ~14,360 units - Low Sales Day

Total Next Week: 89,365 units

### Recommended Actions

Highest Sales Day Expected

Sunday, 12 November

Predicted: ~19,515 units

Action Items:

- Increase inventory stock
- Schedule extra staff
- Prepare for high customer traffic

Lowest Sales Day Expected

Friday, 17 November

Predicted: ~9,049 units

Action Items:

- Launch promotional offers
- Consider discounts

## 🎯 Executive Business Dashboard

Projected Revenue ⓘ

\$303,944,222

Peak Inventory Need ⓘ

27,921 units

Forecast Growth ⓘ

-13.7%

↑ vs historical avg

Total Forecast ⓘ

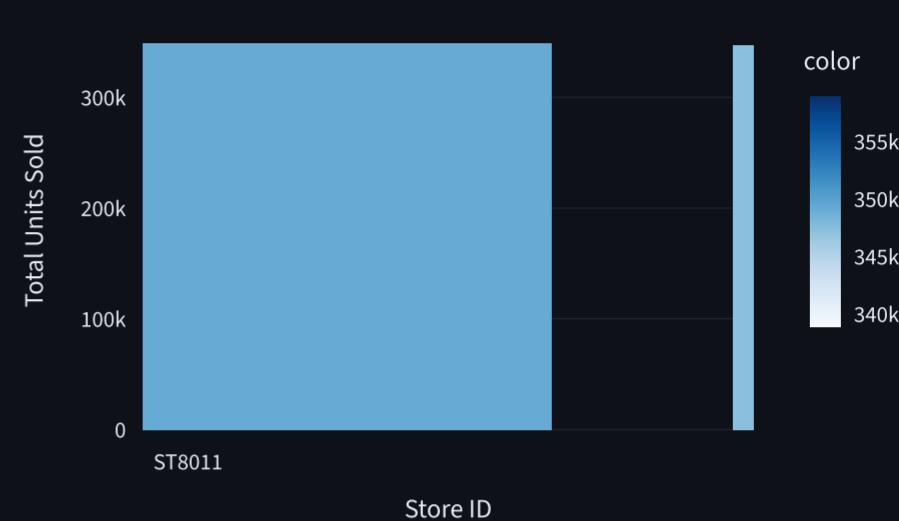
596,893 units

## 📊 Store Performance Analysis

### Store Performance: Price vs Volume



### 🏆 Top 10 Performing Stores



## 🛍️ Product Performance Insights

### Featured vs Regular Products



### 💰 Price Range vs Sales Volume



## 💡 Business Alerts & Recommendations

### ⚠️ Significant Sales Drop Predicted

Sales may drop to 9,050 units (vs avg 23,066)

💡 Action Required: Consider promotional campaigns or inventory adjustments

### 🎉 Strong Weekend Performance Expected

Weekend sales (23983) vs weekday (18145)

💡 Consider: Optimize weekend staffing and inventory

## 🎯 How Reliable Are These Predictions?

Check prediction accuracy

Prediction Accuracy ⓘ

84.0%

↑ Good 🌟

Average Error Range ⓘ

±7,437 units

About 32.2% margin

Confidence Level ⓘ

95%

Very high reliability

### Understanding These Numbers:

- The model is 84.0% accurate in predicting sales
- Predictions typically vary by ±7,437 units from actual
- Example: If forecast shows 1,000 units, actual sales will likely be between -6,437 and 8,437

Overall Rating: Good 🌟

## 🔍 Data Quality Assessment

### 📊 Data Completeness

record\_ID: 100.0% complete

week: 100.0% complete

### 📈 Statistical Summary

Sales Distribution:

Mean: 61.6

### ⚠️ Data Issues

1613 potential outliers detected

store_id: 100.0% complete	Median: 57.0
sku_id: 100.0% complete	Std Dev: 35.9
total_price: 100.0% complete	Min: 5
base_price: 100.0% complete	Max: 353
is_featured_sku: 100.0% complete	<b>Price Statistics:</b>
is_display_sku: 100.0% complete	Avg Price: \$509.21
units_sold: 100.0% complete	Price Range: 40.14–1049.21
date: 100.0% complete	

### 🎯 Overall Data Quality Score

● Data Quality Score ⓘ

**98.8/100**

↑ Excellent

### 📋 Data Explorer & Raw Tables

Daily Sales Data  Original Dataset  Data Analysis

📊 Aggregated daily sales data (prepared for Prophet model):

Select Date Range:

2023/01/01 - 2023/12/31

Min Sales Filter:

0

- +

	ds	y
0	2023-01-01 00:00:00	34844
1	2023-01-02 00:00:00	27023
2	2023-01-03 00:00:00	30043
3	2023-01-04 00:00:00	25068
4	2023-01-05 00:00:00	29988
5	2023-01-06 00:00:00	17486
6	2023-01-07 00:00:00	26410
7	2023-01-08 00:00:00	24265

Total Records

**365**

Avg Sales

**23,066**

Total Sales

**8,419,222**

[Download Daily Sales CSV](#)

### 💾 Export & Download

Save predictions for your records

#### 📊 Prediction Table

	Date	Day	Expected Sales	Minimum	Maximum
292	20-10-2023	Friday	20914	16467	25194
293	21-10-2023	Saturday	27138	22846	31526
294	22-10-2023	Sunday	27334	23156	31582
295	23-10-2023	Monday	21596	17657	26046
296	24-10-2023	Tuesday	22254	18126	26656
297	25-10-2023	Wednesday	22296	17888	26940
298	26-10-2023	Thursday	22295	17923	26010
299	27-10-2023	Friday	21892	17340	25975
300	28-10-2023	Saturday	27921	23484	31935
301	29-10-2023	Sunday	27866	23663	32384

[Download as CSV](#)

#### 📋 Business Report

Report Preview

SALES PREDICTION REPORT  
Created: 17 November 2025

---

FORECAST DETAILS:  
Period: 30 days  
From: 20-10-2023  
To: 18-11-2023

KEY NUMBERS:  
• Expected Total Sales: 596,895 units  
• Average Per Day: 19,896 units  
• Peak Sales Day: Saturday, 28-10-2023  
Expected: 27,921 units

[Download Report](#)