



Quick Start Guide

Get Started in 3 Minutes

1. Launch the Application


The application is already running at: <http://localhost:8501>

2. Follow the Workflow


Step 1: Fetch Market Data (2 minutes)

1. Click **"Live Market Data"** in the sidebar
2. Select category: **"smartphones"**
3. Set products: **100**
4. Click  **Fetch Market Data**
5. Wait for data to load
6. Click  **Clean and Process Data**

Step 2: Train Models (3-5 minutes)

1. Click **"Price Recommendation"** in the sidebar
2. Keep default settings (20% test size)
3. Click  **Train Models**
4. Wait for training to complete
5. Review model comparison results

Step 3: Get Price Recommendation (30 seconds)

1. Stay on **"Price Recommendation"** page
2. Fill in product details:
 - Category: Smartphones
 - Brand: Apple
 - Brand Tier: Premium
 - Rating: 4.5
 - Review Count: 500
 - Platform: Amazon
3. Click  **Get Price Recommendation**
4. Review your optimal price and strategy!

Step 4: Explore Analytics (Optional)

1. Click **"Analytics Dashboard"** in the sidebar

2. View all market visualizations
3. Download data if needed

Example Use Case

Scenario: You're launching a new smartphone

Input:

- Category: Smartphones
- Brand: Samsung
- Brand Tier: Mid-Range
- Expected Rating: 4.2
- Expected Reviews: 200
- Platform: Amazon

Output:

- Recommended Price: \$650
- Price Range: \$585 - \$715
- Position: Competitive Market Positioning
- Strategy: Market Matching with differentiation focus

Tips

1. **First Time:** Always fetch and clean data before training
2. **Best Results:** Use 100+ products for better model accuracy
3. **Experiment:** Try different categories and brands
4. **Compare:** Test multiple scenarios to find optimal pricing
5. **Analytics:** Review dashboard before making final decisions

Troubleshooting

| Issue | Solution |
|-------------------|--|
| No data available | Go to Live Market Data and fetch data first |
| Model not trained | Train models in Price Recommendation page |
| Slow training | Reduce number of products or use smaller test size |

| Issue | Solution |
|--------------------|---|
| Charts not showing | Ensure data is processed before viewing analytics |

Need Help?

Check the full README.md for detailed documentation!