



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!