Pricing Web App Q&A

Q: What features a pricing web app which uses regression and elasticity of demand on price should have?

A pricing web app that leverages regression analysis and price elasticity of demand should include the following key features:

- 1. **Core Features**
 - Data Import/Export (CSV, Excel, API)
 - Data Cleaning & Preprocessing
 - Price Elasticity Calculation
 - Regression-Based Pricing Models
- 2. **Analytics & Reporting**
 - Interactive Dashboards
 - Performance Metrics
- 3. **Optimization Capabilities**
 - Price Optimization Engine
 - A/B Testing Module
- 4. **User Access & Collaboration**
 - Role-Based Access Control (RBAC)
 - Collaboration Tools
- 5. **Integration & Automation**
 - API Connectivity
 - Automated Alerts & Notifications
- 6. **Compliance & Security**
 - GDPR/CCPA Compliance
 - Audit Logs

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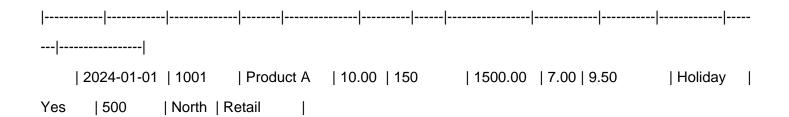
- 7. **Scalability & Performance**
 - Cloud-Based Deployment
 - Real-Time Processing

Q: What should the format of the dataset for this application?

The dataset for the pricing web app should include key variables to support regression analysis and elasticity calculations.

Suggested Format:

| Date | Product_ID | Product_Name | Price | Quantity_Sold | Revenue | Cost | Competitor_Price |
Seasonality | Promotion | Stock_Level | Region | Customer_Segment |



- **Essential Columns Explained:**
- Date: Time tracking for trends.
- Product_ID: Unique identifier.
- Price: Selling price of the product.
- Quantity_Sold: Demand indicator.
- Competitor_Price: For cross-elasticity analysis.
- Promotion: Binary indicator (Yes/No).

^{**}File Formats:** CSV, Excel, JSON, Database storage.