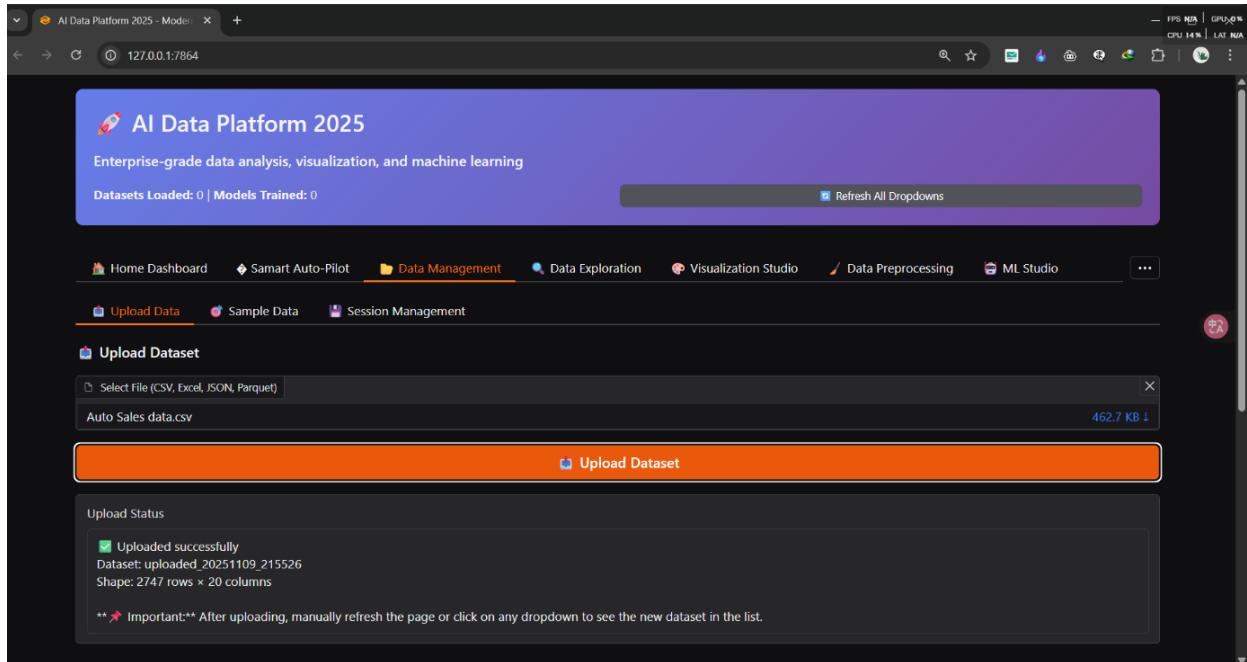
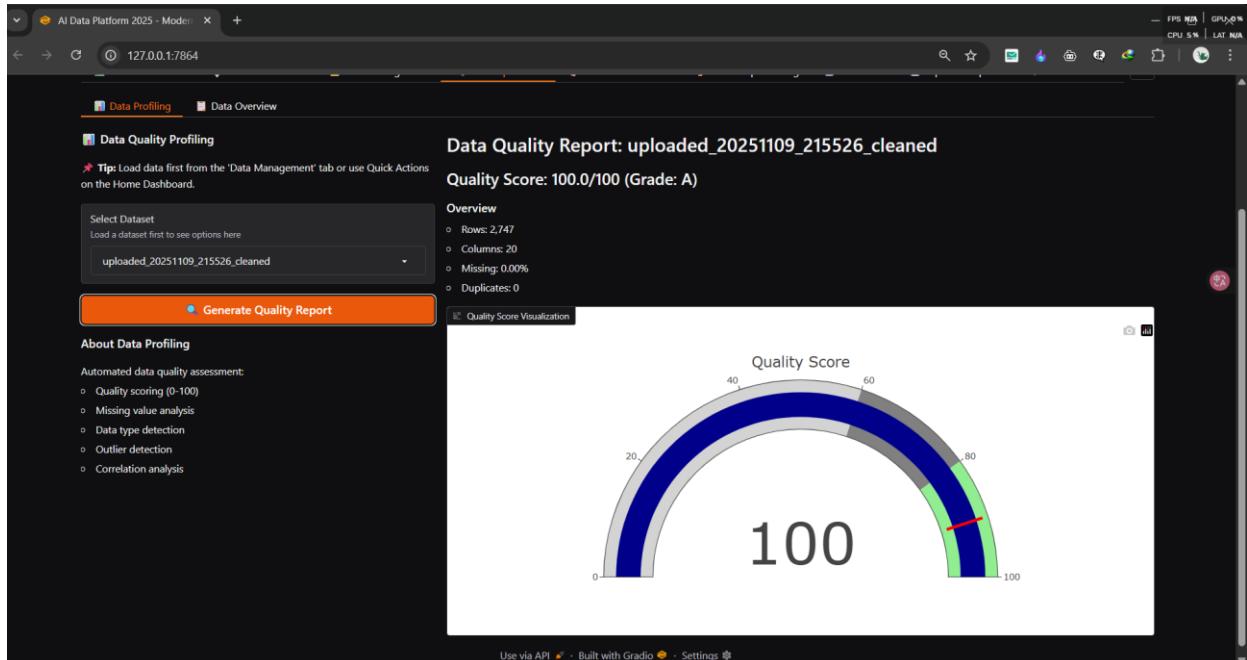


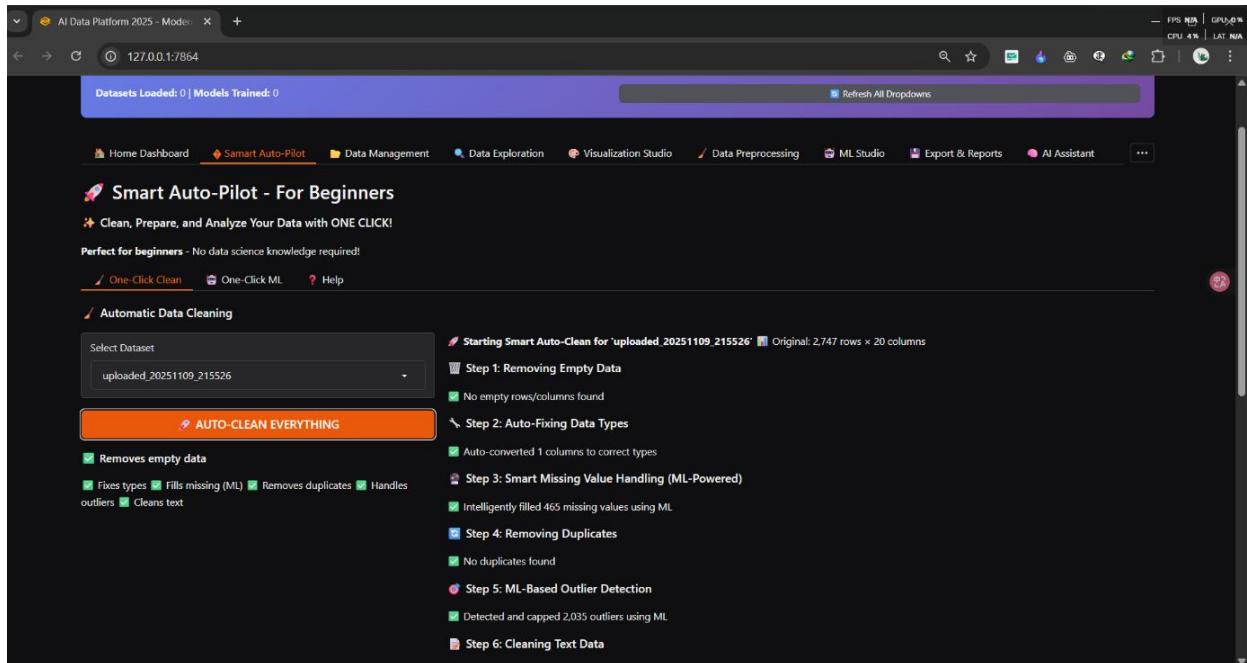
Implementation



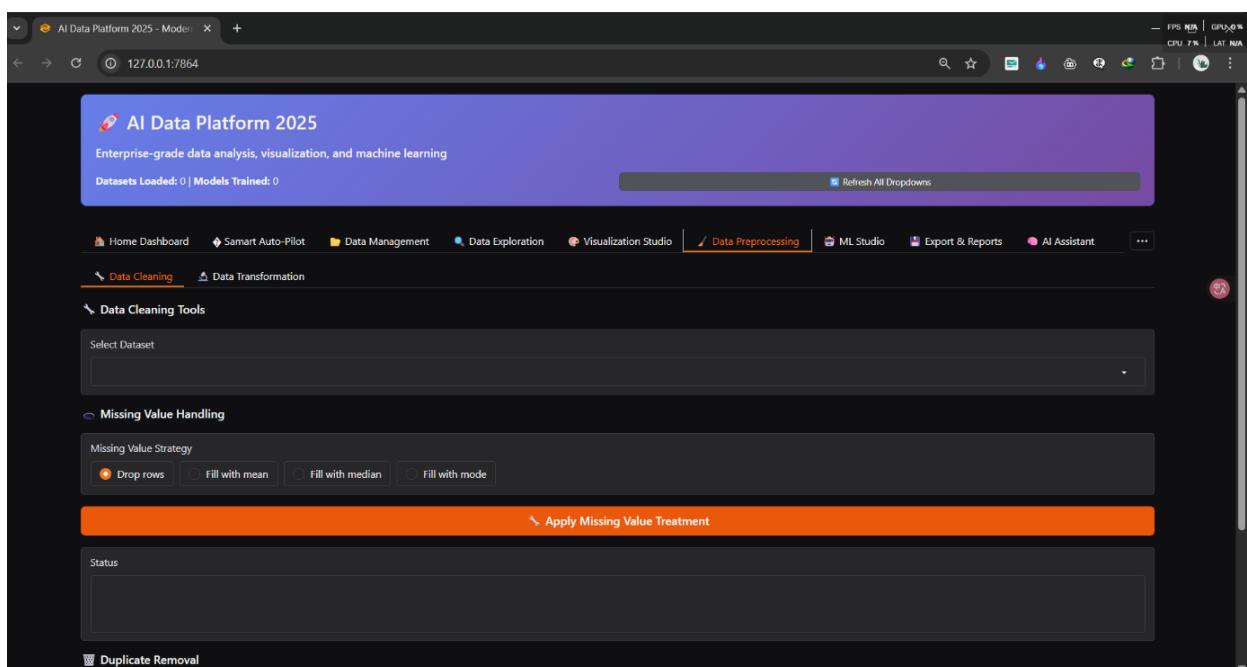
(Image-4.1) Data management(upload and more)



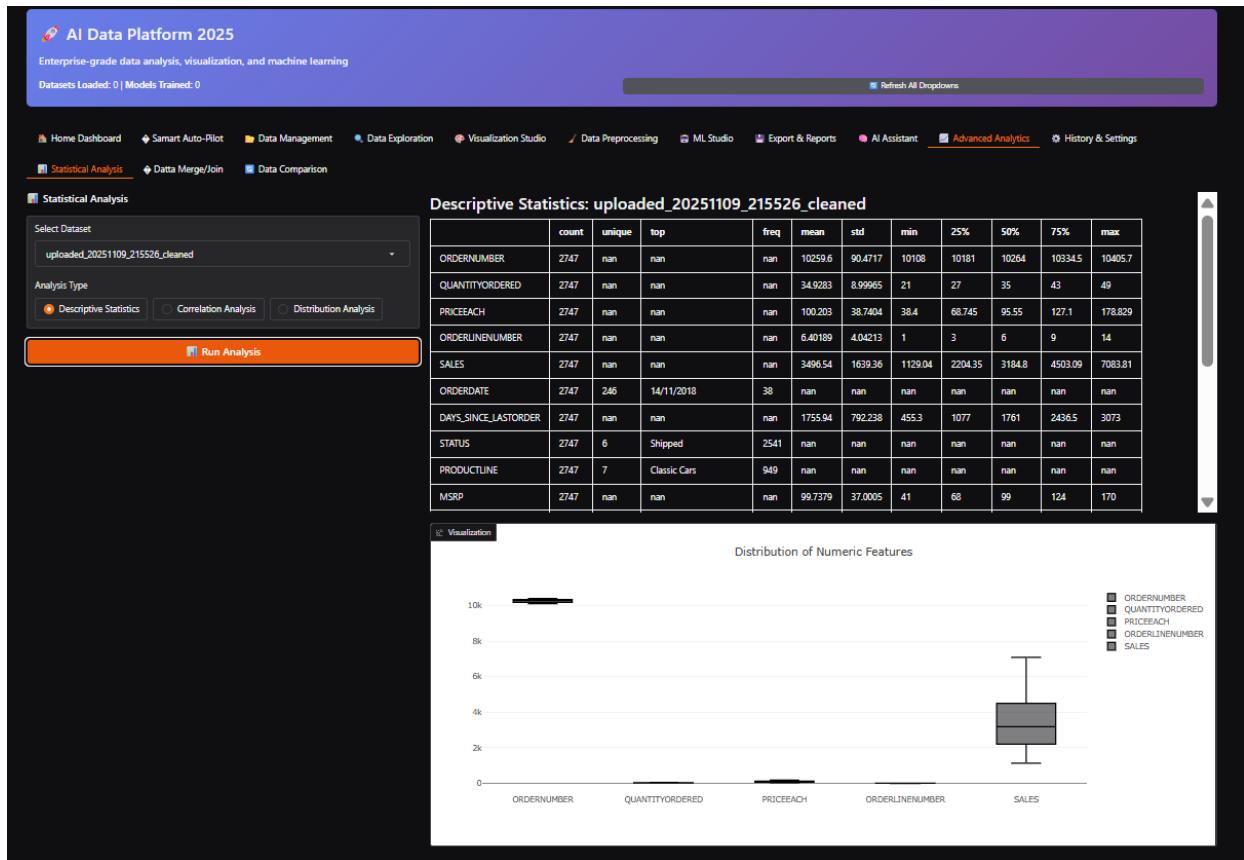
(Image-4.2) Data profile and overview



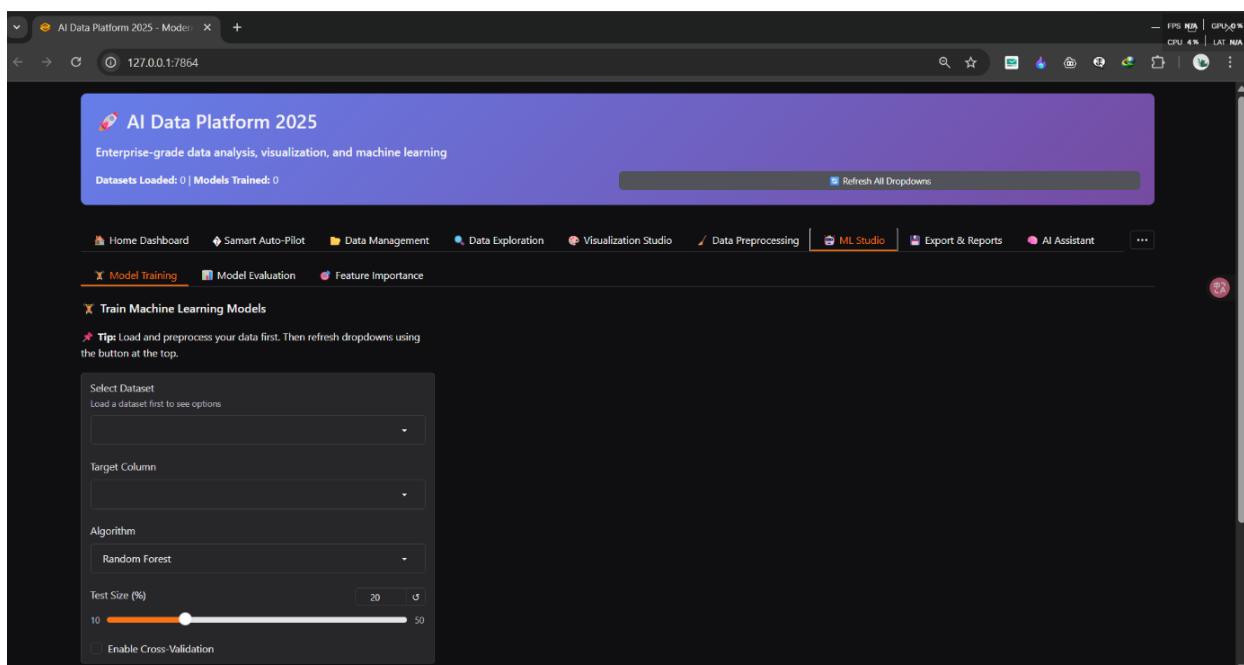
(Image-4.3) Auto clean raw data



(Image-4.4) Manual data cleaning



(Image-4.5) Statistical Analysis



(Image-4.6) Model training section

The screenshot shows the AI Data Platform 2025 interface. At the top, there's a navigation bar with tabs like Home Dashboard, Smart Auto-Pilot, Data Management, Data Exploration, Visualization Studio, Data Preprocessing, ML Studio, Export & Reports, and AI Assistant. The AI Assistant tab is currently selected. Below the navigation bar, there's a sub-navigation bar with Chat, Insights (which is highlighted in orange), Auto-Fix Data, and Chat History.

The main content area is titled "Automated AI Insights" and has a sub-section "Select Dataset for Insights" with a dropdown menu showing "uploaded_20251109_215526_cleaned". Below this is a large orange button labeled "Generate AI Insights".

Under the "AI-Generated Insights" section, there's a "Executive Summary" heading. The summary states: "This dataset contains information about sales transactions. It includes details such as order numbers, quantities ordered, prices per item, and various statistical measures like mean values for each column." It also lists "Key Characteristics" including Order Numbers, Quantity Ordered, Price Each, Sales, Order Date, and Days Since Last Order, each with their respective mean values.

(Image-4.7) AI generated Insights

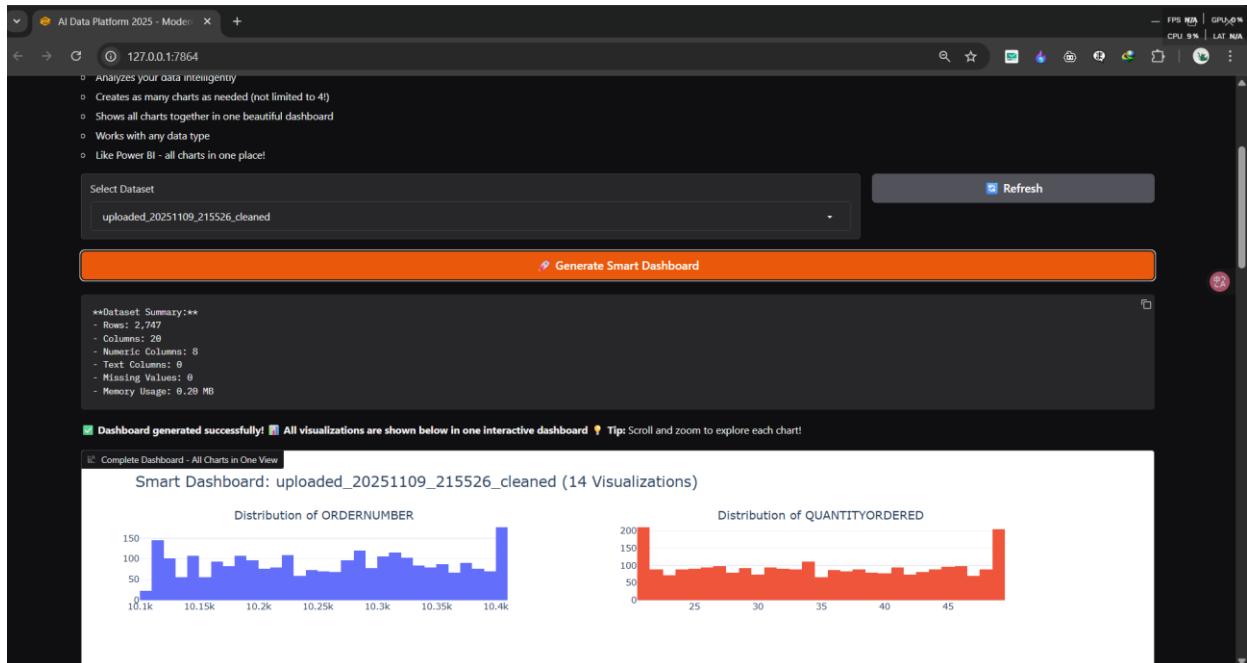
This screenshot shows the AI Data Platform 2025 interface with the AI Assistant tab selected. The top navigation bar and sub-navigation bar are identical to the previous screenshot.

The main content area is titled "AI Data Assistant". It features a "Select Dataset for Analysis" dropdown showing "uploaded_20251109_215526_cleaned". Below it is a text input field asking "What are the main patterns in this dataset?" followed by a blue "Ask AI Assistant" button.

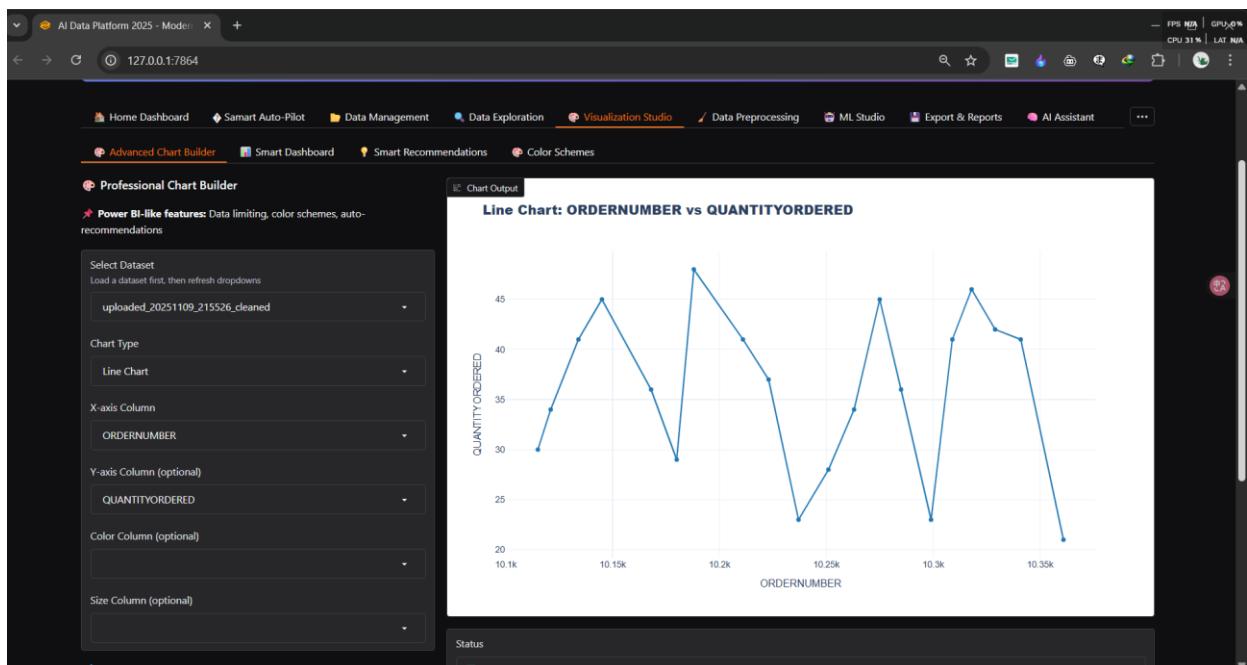
To the right, there's a list of "Based on the provided dataset, there are several key patterns that can be observed:"

- High Volume of Orders:** The average number of orders per customer (ORDERNUMBER) is 10259.6. This indicates a significant volume of transactions, suggesting a high demand or frequent purchasing behavior among customers.
- Average Quantity Ordered Per Order:** On average, each order consists of 34.9 units (QUANTITYORDERED). This suggests that orders are typically small in quantity but still result in relatively large sales (e.g., \$10259.6 in sales).
- High Price per Unit:** The average price for a single unit (PRICEEACH) is \$100.2, indicating that the items being ordered are priced reasonably high compared to their cost.
- Average Order Line Number:** The average number of order lines per order (ORDERLINENUMBER) is 6.4, suggesting that orders typically consist of several items but generally don't include a large number of distinct products (e.g., \$3884.3 in sales).
- Sales Volume:** The total sales amount for each order (SALES) is around \$34965. This indicates that the average transaction size is significant, suggesting a high volume of transactions with substantial value.
- Order Date Distribution:** The ORDERDATE column shows various dates ranging from February 24th, 2018 to July 1st, 2018. There are no specific patterns in date distribution that stand out, indicating that orders can be placed at any time during this period.
- Days Since Last Order:** The average number of days since the last order (DAYS_SINCE_LASTORDER) is around 1755.9 days, suggesting a relatively high frequency of repeat purchases or frequent ordering behavior among customers.

(Image-4.8) AI Assistant for Dataset



(Image-4.9) Smart visualization of dataset



(Image-4.10) Advance charts builder

The screenshot shows the AI Data Platform 2025 web application. At the top, there's a purple header bar with the text "AI Data Platform 2025" and "Enterprise-grade data analysis, visualization, and machine learning". Below the header, a message from the AI Assistant asks, "What are the main patterns in this dataset?". The AI Assistant's response provides an analysis of the dataset, mentioning key patterns like high volume of orders, average quantity ordered per order, and average price per unit. It also notes the distribution of order dates and days since last order. The interface includes a navigation bar with links like Home Dashboard, Smart Auto-Pilot, Data Management, Data Exploration, Visualization Studio, Data Preprocessing, ML Studio, Export & Reports, and AI Assistant. The "AI Chat History" tab is currently selected. A "Refresh All Dropdowns" button is located at the top right of the main content area.

(Image-4.11) Chat history

The screenshot shows the AI Data Platform 2025 web application. The top navigation bar includes "Home Dashboard", "Smart Auto-Pilot", "Data Management", "Data Exploration", "Visualization Studio", "Data Preprocessing", "ML Studio", "Export & Reports", and "AI Assistant". The "Export & Reports" tab is selected. A sub-menu titled "Professional PDF Report" is open, with a note saying "RECOMMENDED: Generate comprehensive PDF report with everything!". Below this, a list of items to include in the report is shown, such as Executive Summary, Data Overview & Statistics, Complete Cleaning History, AI Chat History, Models trained, Full-Page Visualizations, Operation History, and Professional Recommendations. A note at the bottom of this list says "Note: Upload data first in "Data Management" tab, then click refresh below." A dropdown menu labeled "Select Dataset for Report" contains the option "uploaded_20251109_215526_cleaned". To the right of the dropdown is a "Refresh" button. At the bottom of the page, there's a large orange button labeled "Generate Professional Report". A status message at the bottom left indicates "Generation time: 30-60 seconds" and "Output: Comprehensive A4-sized PDF with all project details".

(Image-4.12) Data Export in several format