



STORYTELLING with DATA

Dataset 1: Coffee Sales Dataset (Point of Sale Transactions)

This dataset tracks individual coffee transactions from a sales point of view. It includes information such as the type of coffee sold, the sales channel, the barista who prepared it, the state where it was purchased, and customer preferences.

Columns Description:

Column Name	Description	Example Value
Date	The date and time of the coffee transaction	2025-01-15 08:30 AM
State	The U.S. state where the sale occurred	California, Texas, Florida
Coffee Type	The type of coffee sold, including specialty drinks	Iced Latte, Mocha, Flat White
Sales Channel	The method through which the coffee was purchased	In-Store, Online, Mobile App
Price per Unit (USD)	The price of the coffee sold	4.50, 5.25
Payment Method	How the customer paid for the coffee	Credit Card, Cash, Mobile Pay
Promotion Applied	Indicates whether a discount or promotion was used during the sale	Yes, No
Barista Name	The name of the barista who prepared the coffee	Alex, Maria, Chris
Customer Type	The type of customer (e.g., regular, new, tourist)	Regular, New, Tourist
Wait Time (Minutes)	The time it took to prepare the coffee	3, 5, 7
Special Request	Any customizations requested by the customer	Almond Milk, Extra Shot
Order Rating	The customer's rating of their order (if provided)	4.7/5, 3.9/5



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Dataset 2: Coffee Origins Dataset (Global Coffee Producers)

This dataset focuses on **major coffee-producing countries** around the world. It includes details about the regions within each country, the type of coffee grown, and the unique flavor profiles associated with each region. It also includes data on the volume of coffee exported and sustainability scores.

Columns Description:

Column Name	Description	Example Value
Country Name	The name of the country where the coffee is produced	Brazil, Vietnam, Colombia
Country Code (ISO)	The ISO 3166-1 alpha-3 code of the country for mapping purposes	BRA, VNM, COL
Region	The specific coffee-growing region within the country	Minas Gerais, Yirgacheffe
Coffee Variety	The type of coffee bean grown in that region	Arabica, Robusta, Bourbon
Altitude (meters)	The altitude at which the coffee is grown, in meters	1200, 1800, 2000
Flavor Profile	Unique flavor notes associated with the coffee from that region	Fruity, Nutty, Floral
Harvest Season	The typical months of coffee harvest in that region	October to February
Processing Method	How the coffee is processed after harvesting	Washed, Natural, Honey
Export Volume (tons)	The total amount of coffee exported from that region in tons	150,000, 300,000
Sustainability Score	A score indicating the environmental and ethical impact of farming	4.5/5, 3.8/5



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Learning Outcomes for Pivot Tables and Data Visualization

No.	Learning Outcome	Description
1	Using Consistent Color Schemes and HEX Colors	Understand the importance of a cohesive color palette for clear and professional visualizations.
2	Introducing Different Visuals (Bar, Donut, Gauge, Scatter Plot)	Learn how to create and interpret various chart types to represent data effectively.
3	Show Filter Pages on Separate Worksheets	Automatically generate individual sheets for each filtered value in your Pivot Table.
4	Double-Click for Drill-Down Details	Explore the underlying data by double-clicking on any summary value in your Pivot Table.
5	Add Data Bars to Pivot Tables	Use conditional formatting to add visual data bars to Pivot Tables (Select "All Cells Showing").
6	Create Calculated Fields	Learn to add custom calculations within your Pivot Table (Go to <i>Analyze</i> → <i>Calculated Field</i>).
7	Calculate Differences Between Columns	Compare values by calculating differences between columns in your Pivot Table.
8	Smart Custom Number Formatting	Apply custom number formatting for better readability (e.g., display positive and negative values differently). [Green] ▲; [Red] ▼;
9	Create Custom Grouping	Group Pivot Table data based on specific criteria (e.g., categories, ranges).
10	Custom Date Grouping	Group date-based data by days, months, quarters, or years within your Pivot Table.
11	Insert a Timeline for Date Filtering	Use interactive timelines to filter date ranges in your Pivot Table.
12	Apply Value Filters (e.g., Top 10)	Filter data to display specific values, such as the <i>Top 10</i> or items above/below a certain threshold.