GLOBAL MARKET PERFORMANCE

DATASET TAKEN FROM: https://tradingeconomics.com/commodities

DATASET OVERVIEW:

The dataset used in this project represents **global financial and market assets**, including stock indices, commodities, cryptocurrencies, and currencies. Each record captures the **current market value**, **percentage change**, and **growth indicators** for individual assets.

The dataset enables analysis of:

- Asset performance comparison

- Market trends across regions

- Identification of top-performing and underperforming assets

DATA CLEANING STEPS:

Data cleaning was performed using **Power Query** to ensure accuracy and consistency.

- Removed blank and null values from key columns

- Ensured correct **data types** for numeric fields

- Standardized asset names to avoid duplicates

- Created calculated columns for:

    o **Performance** (Positive / Negative)
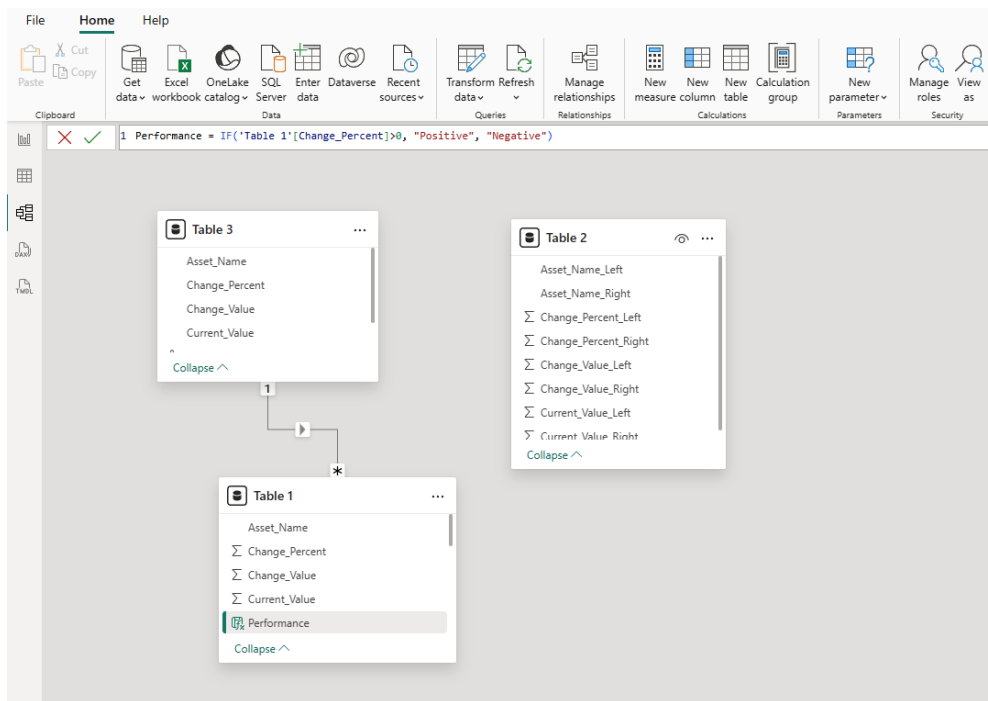
- Verified percentage columns for correct formatting

These steps improved data quality and ensured reliable visual analysis.

DATA MODEL:

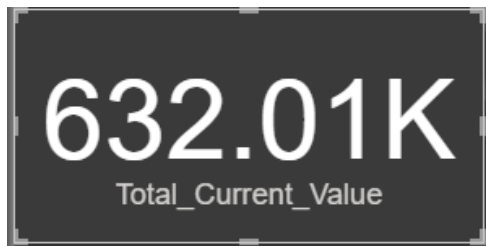The data model consists of **three tables**:

- **Table 1** – Main asset metrics

- **Table 2** – Left-side calculated metrics

- **Table 3** – Supporting asset information

Relationships were established using **Asset_Name** as the key field.
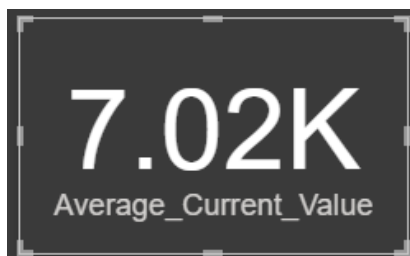
DAX MEASURES CREATED:

1. Total_Current_Value = SUM('Table 1'[Current_Value])

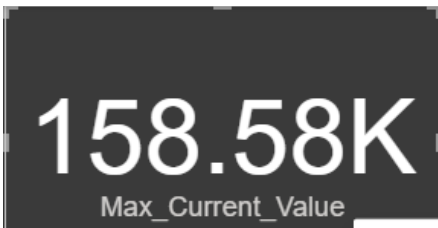2. Average_Current_Value = AVERAGE('Table 1'[Current_Value])

3. Asset_Count = COUNT('Table 1'[Asset_Name])

90
Asset_Count

4. Max_Current_Value = MAX('Table 1'[Current_Value])

158.58K
Max_Current_Value
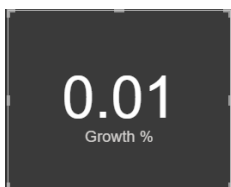
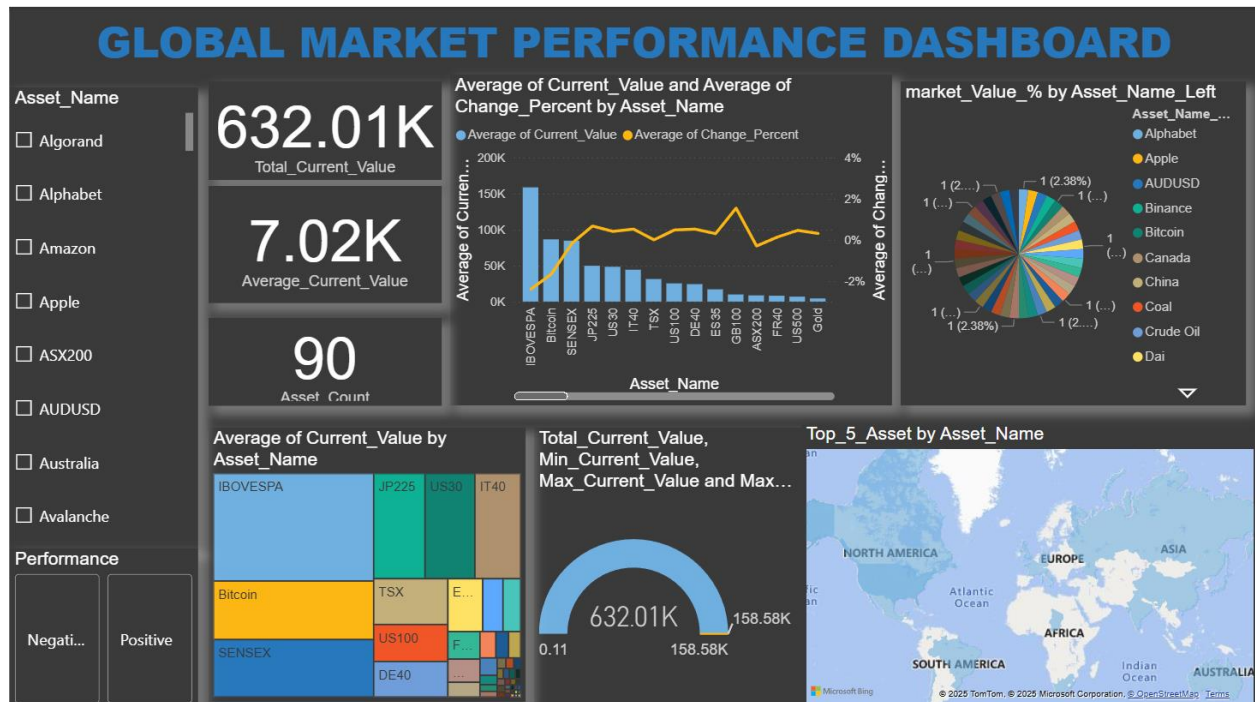5. Min_Current_Value = MIN('Table 1'[Current_Value])

0.11
Min_Current_Value

6. Growth % = DIVIDE(SUM('Table 1'[Change_Value]),SUM('Table 1'[Current_Value])-sum('Table 1'[Change_Value]))

0.01
Growth %

DASHBOARD

INSIGHTS DISCOVERED:

Key insights derived from the dashboard include:

- Certain assets (e.g., Bitcoin, IBOVESPA, SENSEX) dominate market value

- Some assets show high value but negative percentage change, indicating volatility

- Growth trends vary significantly across asset categories

- Regional market performance highlights strong activity in North America and Asia

- Drill-through analysis helps identify individual asset behavior