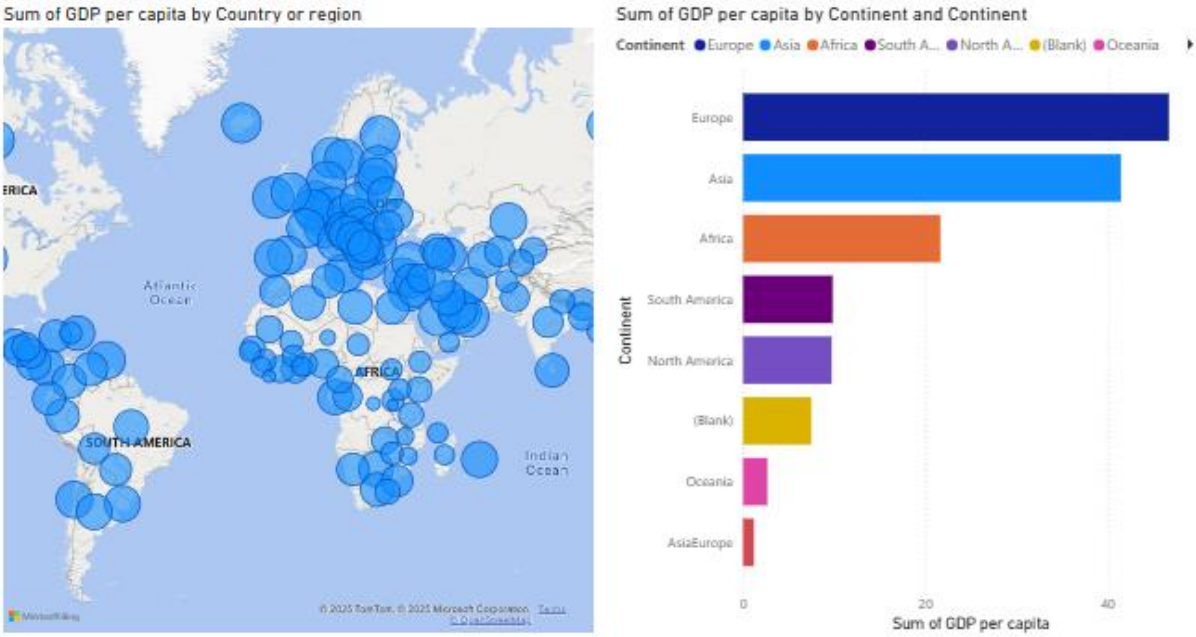
Date:26-11-25

Title:maps



Description:

These visuals display the **Sum of GDP per capita** using a world map and a bar chart, helping users compare economic performance across countries and continents.

How the Visuals Work

1. Map Visual – Sum of GDP per Capita by Country or Region

- Each country is represented as a blue bubble on the world map.
- The **size of the bubble** corresponds to the **sum of GDP per capita** for that country.
- Larger bubbles indicate higher total GDP per capita.
- Hovering over any bubble displays:
    - **Country or Region**
    - **Sum of GDP per capita**
- This allows users to quickly see geographic patterns and identify high-GDP regions.

2. Bar Chart – Sum of GDP per Capita by Continent

- The bar chart summarizes GDP per capita at the **continent level**.
- Each bar represents one continent (e.g., Europe, Asia, Africa).
- The **length of the bar** shows the total GDP per capita for that continent.
- Bar colours distinguish each continent for easy comparison.
- This visual highlights which continents contribute the most to global GDP per capita.

Insights from the Chart

- **Europe** has the highest total GDP per capita in the dataset.
- **Asia** follows closely behind, showing strong economic contributions.
- **Africa, South America, and Oceania** have lower totals compared to Europe and Asia.
- The map confirms the distribution visually, showing many large bubbles clustered in Europe and parts of Asia.

Filled Map – Sum of GDP per Capita by Country or Region and Continent (Power BI)

This filled map visual displays the **Sum of GDP per Capita** across countries and continents using colour-coded regions. It helps users easily compare economic performance geographically at a global scale.

How the Visual Works

Coloured Regions Represent Continents

- Each continent is assigned a unique colour
  (e.g., Europe in blue, Asia in red, Africa in orange, etc.).
- All countries within the same continent share the same colour.
- This creates a clear visual grouping of countries based on continent classification.

Country Shapes Display GDP per Capita Values

- Each country is shaded according to the **sum of GDP per capita**.
- Darker or more prominent shading indicates higher values.
- Hovering over any country reveals:
  - **Country/Region**

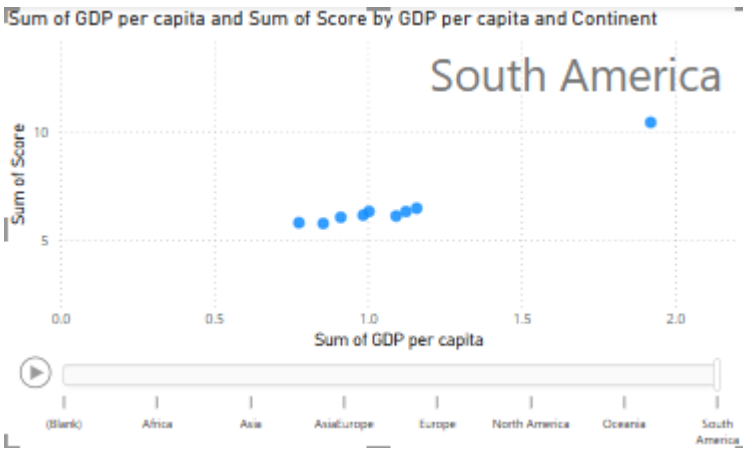
- **Continent**
- **Sum of GDP per capita**

Map Labels for Context

- Continents (e.g., **NORTH AMERICA**, **EUROPE**, **ASIA**) appear as map labels.
- Oceans and major geographic areas remain visible for additional context.

Insights from the Map

- **Europe** shows strong GDP per capita values, reflected in its consistent colouring and visible concentration of developed economies.
- **Asia** displays a wide range of GDP levels but overall contributes significantly to global economic output.
- **North America** stands out with countries like the United States and Canada contributing high GDP per capita.
- **Africa** and **South America** appear with comparatively lighter shading, indicating lower GDP per capita values.



Scatter Chart with Play Axis – Sum of GDP per Capita and Sum of Score by Continent (Power BI)

This scatter chart visual displays the **relationship** between *Sum of GDP per capita* and *Sum of Score*, while a **Play Axis** animates the chart across different continents. This allows users to observe how data points shift over time or category states.

How the Visual Works

Scatter Plot Layout

- **X-axis:** Sum of GDP per capita
- **Y-axis:** Sum of Score
- Each blue dot represents a **continent** or segment based on the selected category.
- The position of each dot indicates:

- Its economic performance (GDP per capita)
- Its overall score

Play Axis (Animation Control)

- The animation slider at the bottom acts as a **Play Axis**.
- It cycles through each category in the selected field (in this case, **Continent**).
- As the slider moves:
  - The scatter plot highlights the data points for the current continent.
  - The large label (e.g., **South America**) appears to indicate which continent is currently in focus.

This creates a dynamic, step-by-step view of how each continent compares in terms of GDP per capita and score.

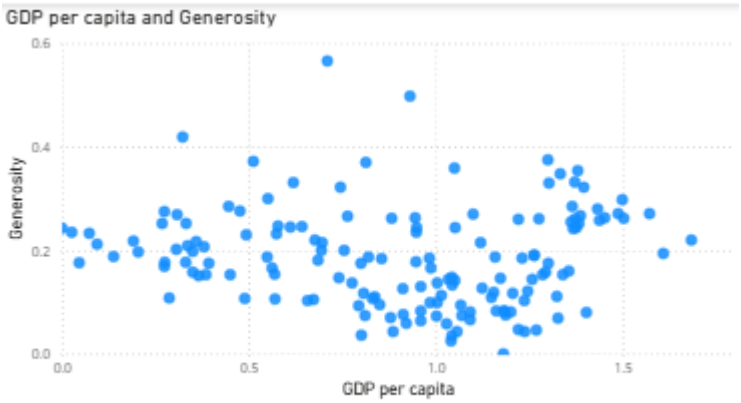
What Happens When You Press Play

- The chart automatically transitions across categories (e.g., Africa → Asia → Europe → North America → South America).
- At each step:
  - Only the corresponding continent's data points are emphasized.
  - You can visually track changes in position, spread, or clustering.
- Users can also manually drag the slider to jump to specific continents.

Insight from the Chart

In the snapshot shown:

- The Play Axis is currently on **South America**.
- South America appears in the upper-right region of the chart, indicating:
  - **Higher GDP per capita** relative to many other continents.
  - **Higher total score** as well.
- Other continent points remain on the chart but are less highlighted.



Scatter Chart – GDP per Capita and Generosity (Power BI)

This scatter chart visual illustrates the **relationship between GDP per capita** and **Generosity** across multiple countries or regions. It helps users explore whether economic prosperity is associated with higher levels of generosity.

How the Visual Works

Axes

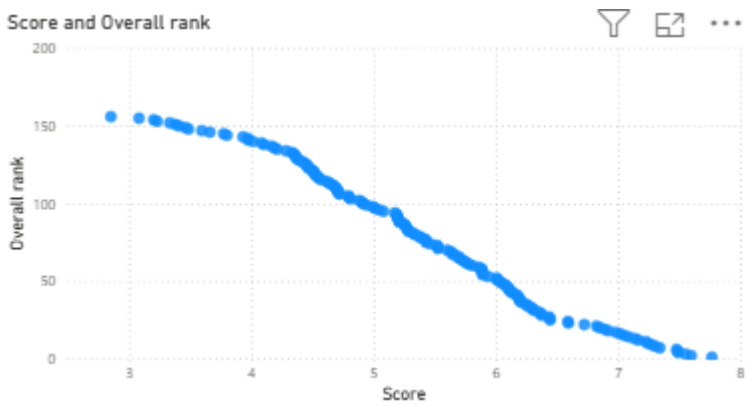
- **X-axis:** GDP per capita
- **Y-axis:** Generosity
- Each blue dot on the chart represents a **country or region**.

Dot Representation

- The **horizontal position** indicates a country's GDP per capita.
- The **vertical position** shows its Generosity score.
- The chart plots all countries at once, enabling users to visually compare patterns and clusters.

Key Observations

- The data points are **widely scattered**, suggesting **no strong direct correlation** between GDP per capita and generosity.
- Countries with **higher GDP per capita** do not necessarily show higher generosity scores—many appear in the lower-generosity range.
- Some lower-GDP countries still show **relatively higher generosity**, highlighting differences in cultural, social, or regional behaviours.
- Generosity values mostly cluster between **0.1 and 0.3**, even as GDP per capita varies significantly.



Scatter Chart – Score and Overall Rank (Power BI)

This scatter chart visual shows the relationship between a country's **Score** and its **Overall Rank**. It helps users understand how changes in score affect global ranking and whether higher scores consistently align with better (lower-numbered) ranks.

How the Visual Works

Axes

- **X-axis:** Score
- **Y-axis:** Overall Rank (lower numbers = better rank)

Data Points

- Each blue dot represents a **country**.
- The position of each point shows:
    - Its score (horizontal position)
    - Its ranking (vertical position)