

SEPTEMBER 10

- To make the connections we need one more categorical data, country can be grouped by continents.
- We can import the table consisting country and continent using web scrapping.
- In Home tab select import excel file, select the excel file consisting the continent.
- Select the table and transform data before importing.
- The data will be opened in power query use the first column as headers.
- Change the table name as Continent
- Now import to power BI
- Now we need to establish the relationships between the tables.
- Navigate to the model view, drag and drop country from WHR to country in Continent table.
- Now the connection is established.

SCATTER PLOT WITH PLAY AXIS:

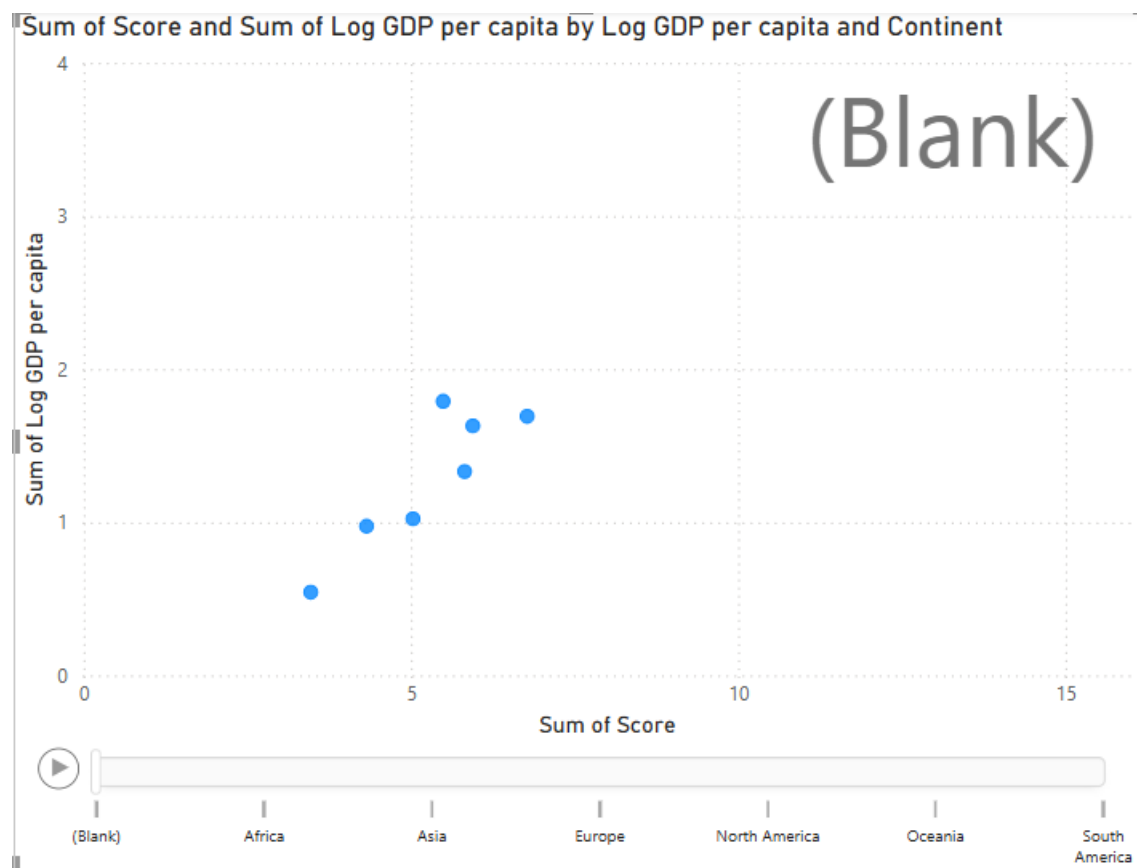


CHART TYPE: Scatter plot

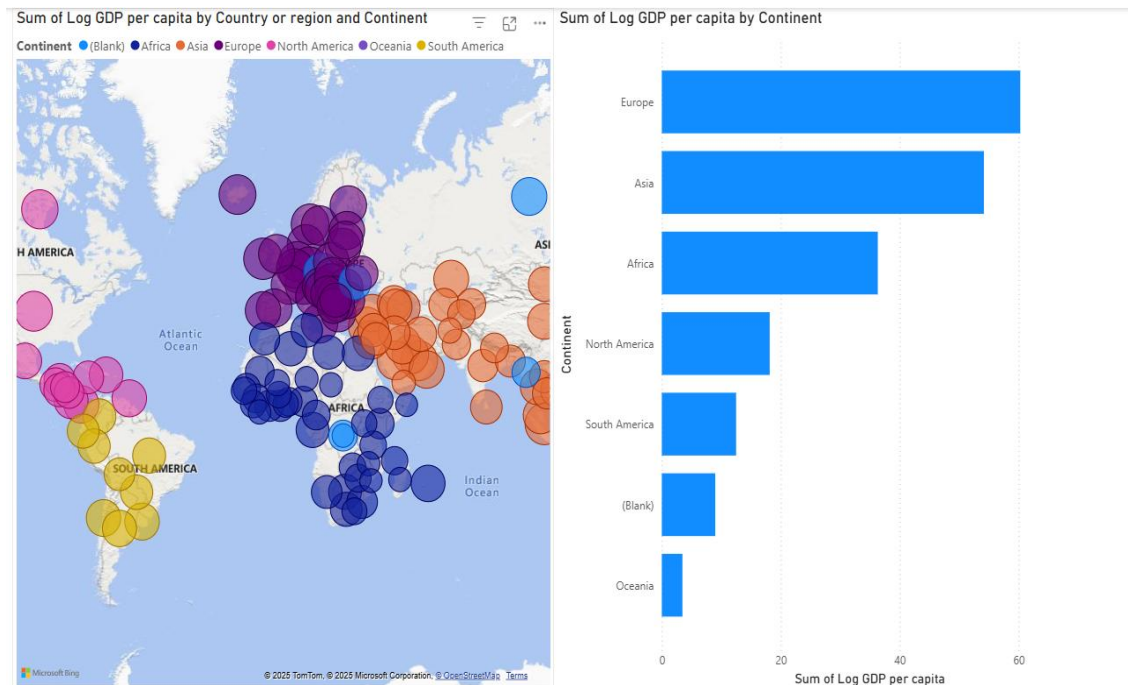
INSIGHTS:

- We can see the score and GDP value in the scatter plot.
- The dots are log GDP values.
- To segregate the data we are using the continents in play axis.
- From the chart we can see the continent wise GDP and score.

STEPS:

- From visualization pane select a scatter plot.
- Drag and drop score to the x-axis and Log GDP per capita to the y-axis.
- Default the columns will be summarized.
- Now we can see the scatter plot.
- Now drag and drop Log GDP per capita into values.
- Drag and drop continents to the play axis.

MAP:



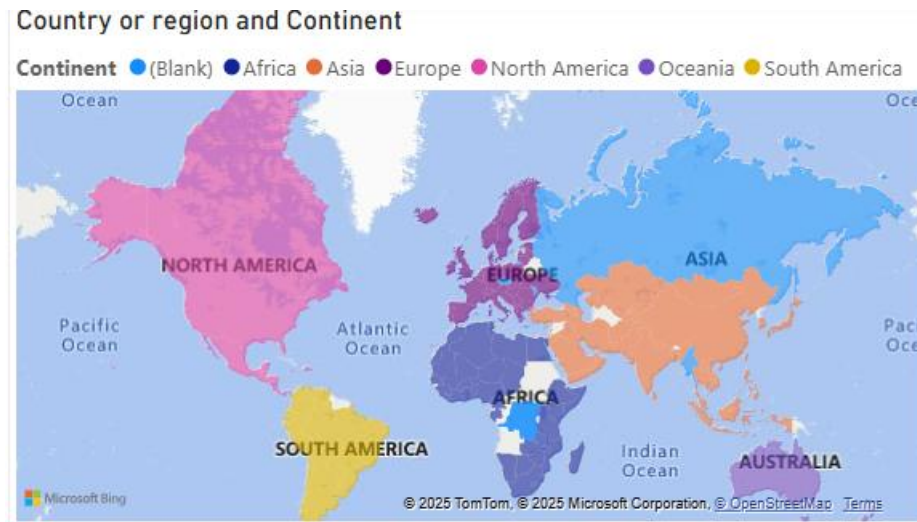
- North America and South America contribute less in total because of fewer countries compared to Europe/Asia.
- Oceania has the smallest contribution.
- The “(Blank)” category suggests missing continent data for some countries in the dataset.

STEPS:

- Insert a Map visual from the Visualizations pane.
- Drag Country/Region → *Location field*.
- Drag Log GDP per capita → *Size field*.
- Drag Continent → *Legend field* (to apply colours).
- Format options:
 - Turn on bubble sizes scaling.
- Insert a Clustered Bar Chart.
- Drag Continent → *Axis*.
- Drag Log GDP per capita → *Values* (set aggregation as *Sum*).
- Sort by value (descending) for clarity.
- Format chart:

- Add data labels.
- Adjust bar colours for consistency.

FIELD MAP:



STEPS:

- Go to Visualizations pane → Select Filled Map (not bubble map).
- Drag Country/Region → *Location field*.
- Drag Continent → *Legend field*.
- If you want to color based on continent only:
 - Leave *Values field* empty.
 - Power BI will shade regions by continent.
 - Set Map Style: Road/light theme for clarity.
 - Enable Category Colors for consistent continent shading.
 - Adjust Data Colors so each continent is visually distinct.