Bharatiya Vidya Bhavan's

Sardar Patel Institute of Technology

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UID No.	**2022601002**
Batch:	B
Subject:	Advance Data Visualisations
Experiment No.	2

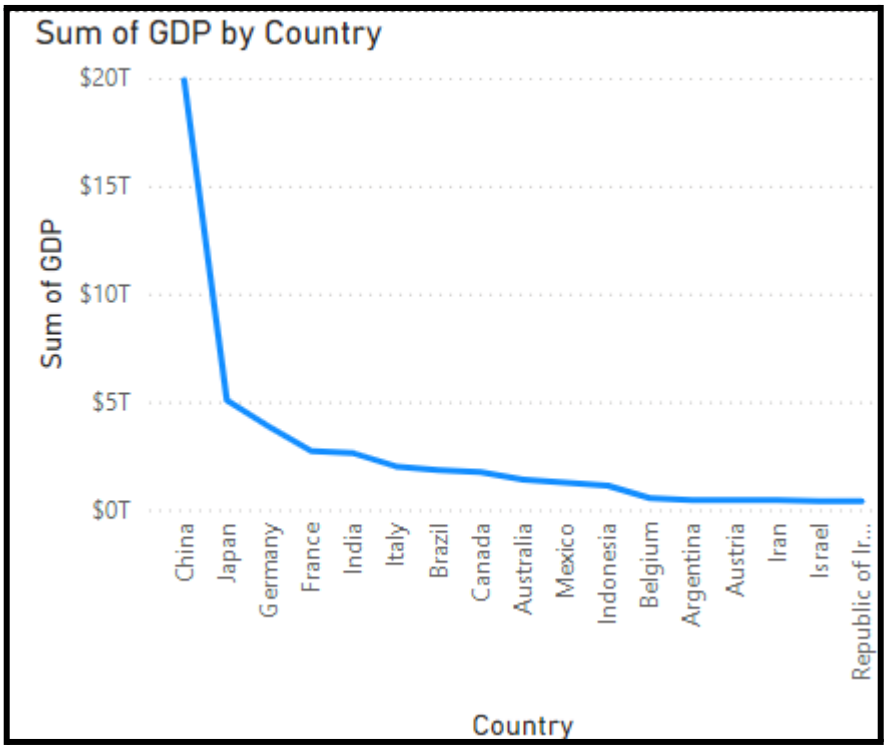
AIM: Create advanced charts using Tableau / Power BI / R / Python / Plotly or Chart or D3.js to be performed on the dataset - Socio economic data

● Advanced - Word chart, Box and whisker plot, Violin plot, Regression plot (linear and nonlinear), 3D chart, Jitter, Line, Area, Waterfall, Donut, Treemap, Funnel ● Write observations from each chart

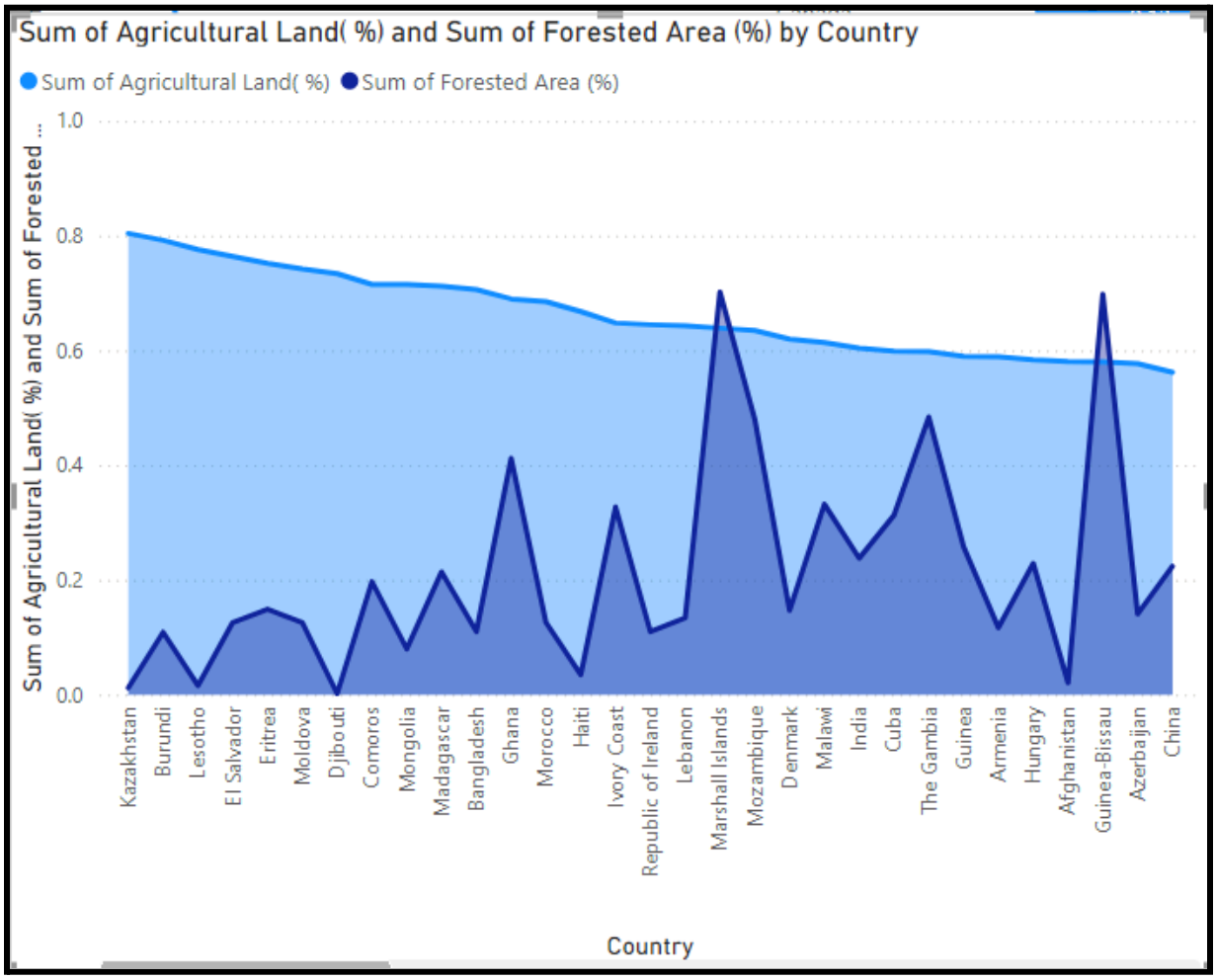
PROCEDURE DESCRIPTION:

Step 1:

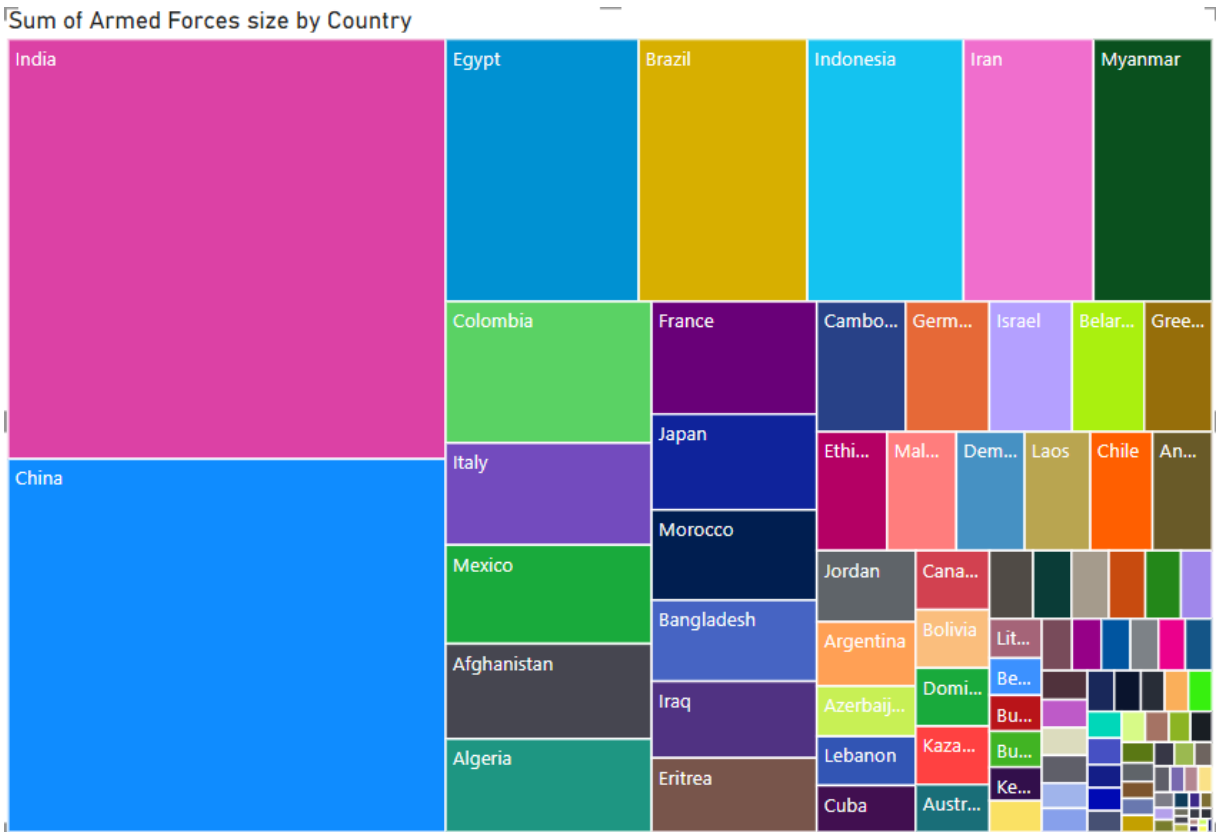
Line Chart


Sum of GDP by Country
$20T
$15T
$10T
$5T
$0T
Sum of GDP
China
Japan
Germany
France
India
Italy
Brazil
Canada
Australia
Mexico
Indonesia
Belgium
Argentina
Austria
Iran
Israel
Republic of Ir...
Country

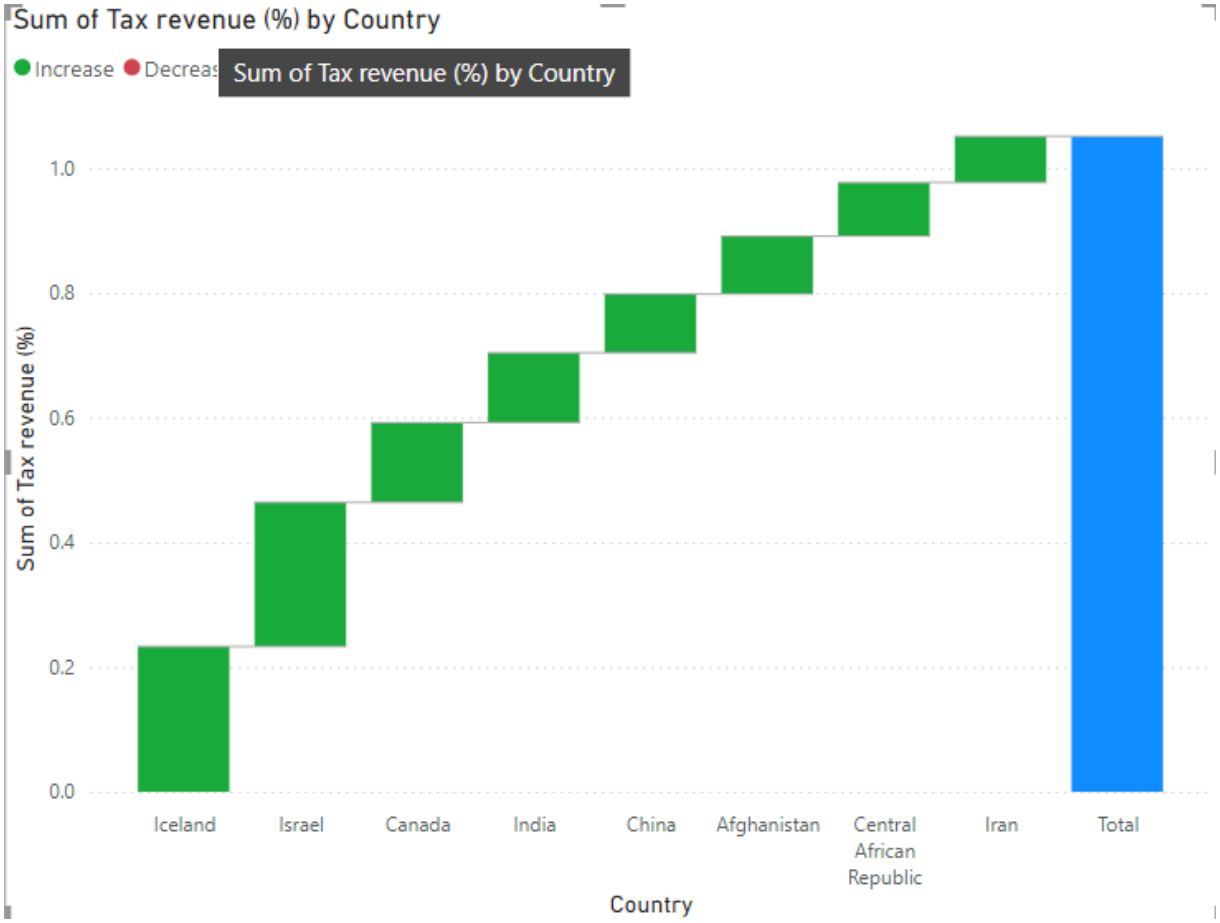
2. Area Chart


Sum of Agricultural Land(%) and Sum of Forested Area (%) by Country
Sum of Agricultural Land(%)
Sum of Forested Area (%)
Sum of Agricultural Land(%) and Sum of Forested ...
1.0
0.8
0.6
0.4
0.2
0.0
Kazakhstan
Burundi
Lesotho
El Salvador
Eritrea
Moldova
Djibouti
Comoros
Mongolia
Madagascar
Bangladesh
Ghana
Morocco
Haiti
Ivory Coast
Republic of Ireland
Lebanon
Marshall Islands
Mozambique
Denmark
Malawi
India
Cuba
The Gambia
Guinea
Armenia
Hungary
Afghanistan
Guinea-Bissau
Azerbaijan
China
Country

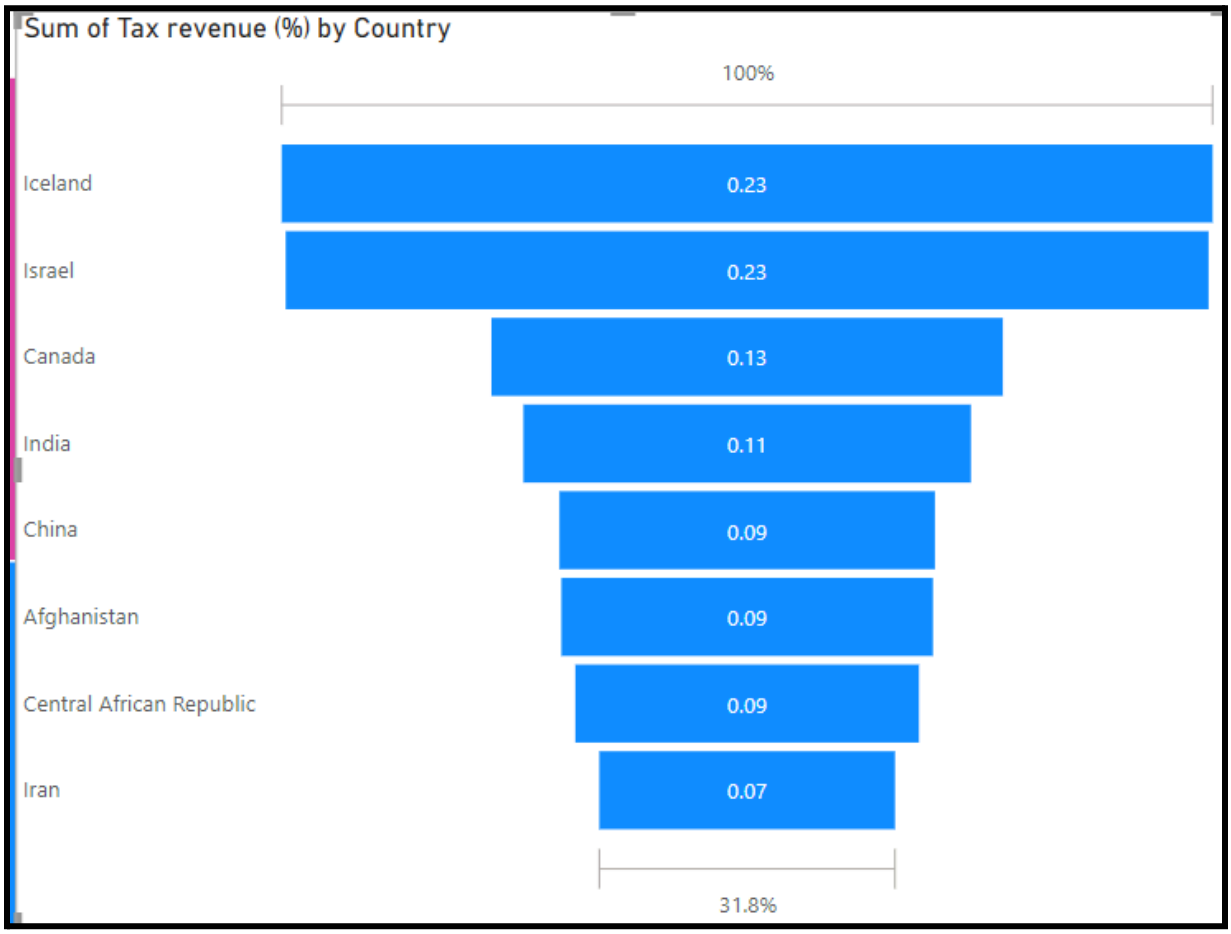
3. Treemap



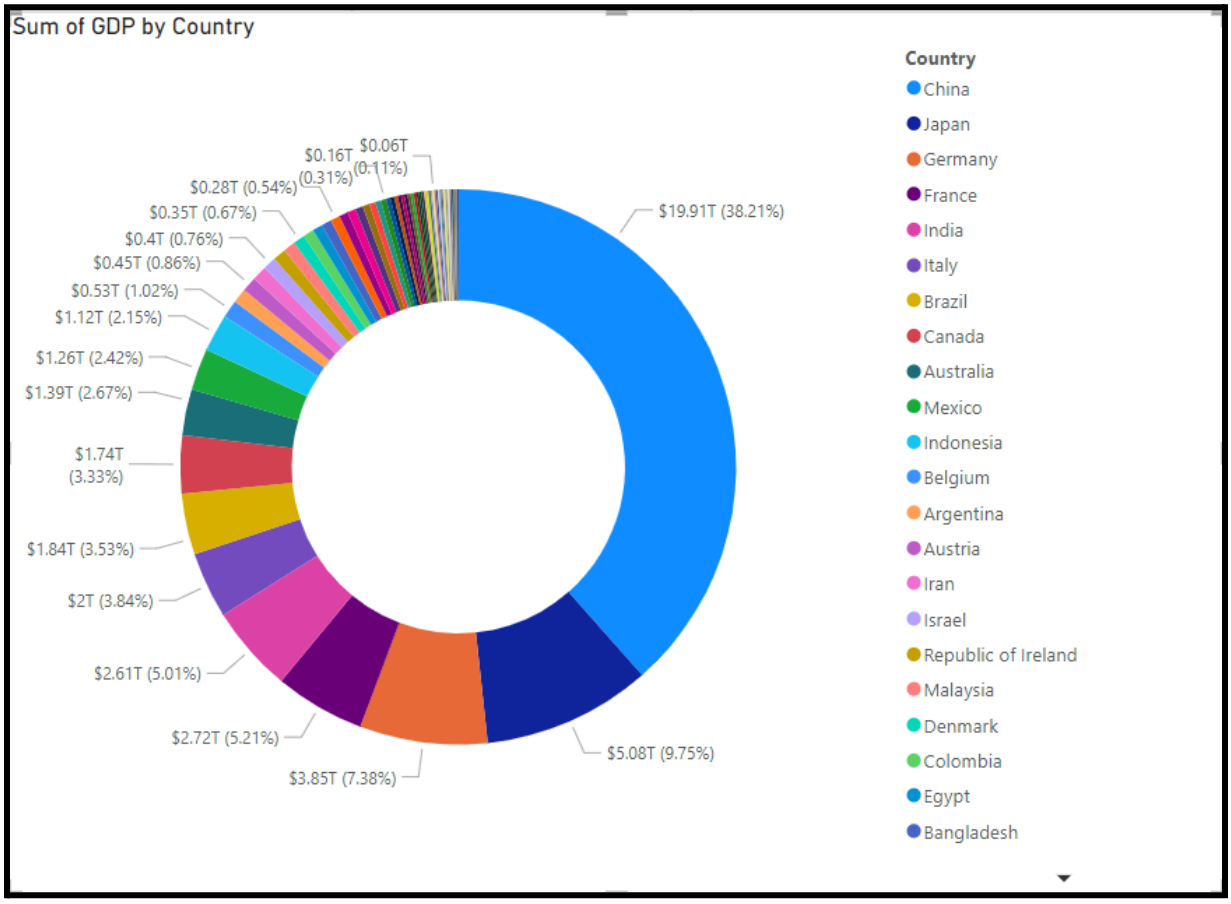
4. Waterfall Chart



5. Funnel Chart



6. Donut Chart



Conclusion: Thus using the global economic data and drawing various types of visualizations for it gave me insights about where india lies in the global view. There's far more to achieve as a country.