

BHARATIYA VIDYA BHAVAN'S
SARDARPATELINSTITUTE OF TECHNOLOGY
(Empowered Autonomous Institute Affiliated to University of Mumbai)
[Knowledge is Nectar]

Department of Computer Engineering
Advance Data Visualization

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Class & batch	BE CSE-DS Batch I
Subject	Advanced Data Visualization
Experiment No.	9
Title	Design Big Data Dashboard using Tableau on dataset -Women empowerment / Gender participation

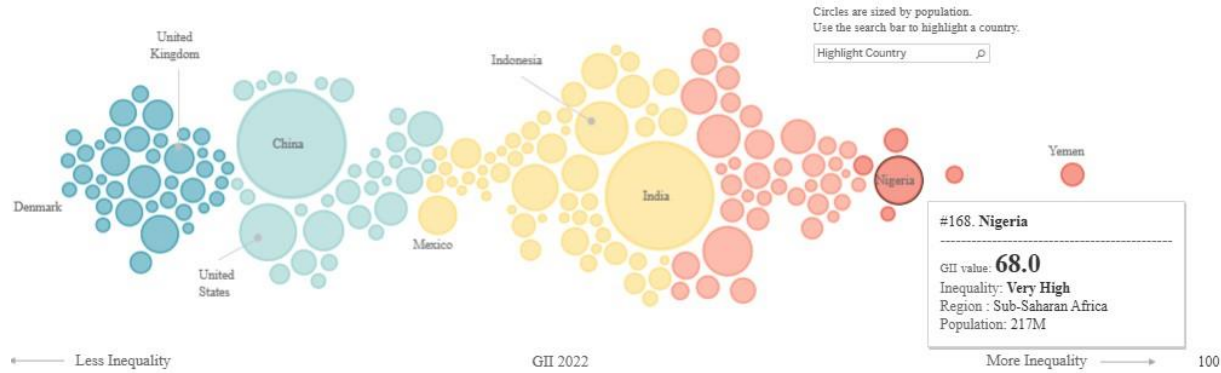
Features in the dataset:

1. **Country:** The name of the country being referenced in the dataset.
2. **GII Category:** The classification of the country based on its Gender Inequality Index (GII) performance, which may indicate levels of gender inequality.
3. **Id:** A unique identifier assigned to each entry or record in the dataset, ensuring that each country can be distinctly recognized.
4. **Index:** A numerical value or score representing the overall performance of the country in terms of gender equality, typically derived from various indicators.
5. **Continent:** The continent on which the country is located, providing geographical context.
6. **UNDP Developing Regions:** The classification of the country according to the United Nations Development Programme (UNDP) regional grouping, which may include categories like developed, developing, and least developed regions.
7. **Nodes Point:** Geographical coordinates that represent specific points on a map for the country, often used in spatial analysis.
8. **Latitude:** The geographic coordinate that specifies the north-south position of the country, expressed in degrees.
9. **Longitude:** The geographic coordinate that specifies the east-west position of the country, also expressed in degrees.

10. GII Final: The final calculated value of the Gender Inequality Index for the country, reflecting the extent of gender-based disparities.

11. GII Rank: The rank of the country relative to others based on its GII score, indicating its position in comparison to other countries regarding gender equality.

Charts



Observations -

- Gender inequality is very high in underdeveloped countries like Nigeria, while its low in developed countries like UK US
- India has moderate GII likely due to its developing status
- Yemen has highest inequality, Possible reason could be high terrorism and civil war situations
- Denmark has lowest GII, one strong example is the involvement of women in parliament and current woman president

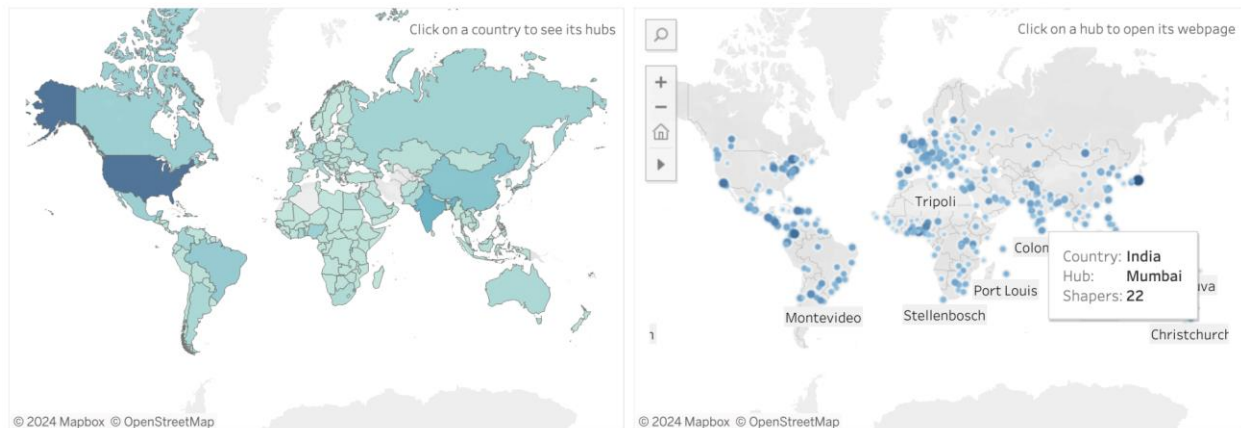


Global Shapers Community Dashboard



This dashboard is meant to give you an overview of Global Shapers Community. Click on any point in the map on the right hand side and you will be redirected to the hub's webpage. Every table including the country map acts as a click filter. Connect with shapers around the World! Data was scraped on 3/22/2018 (see how on github)

Fork me on GitHub



Observation -

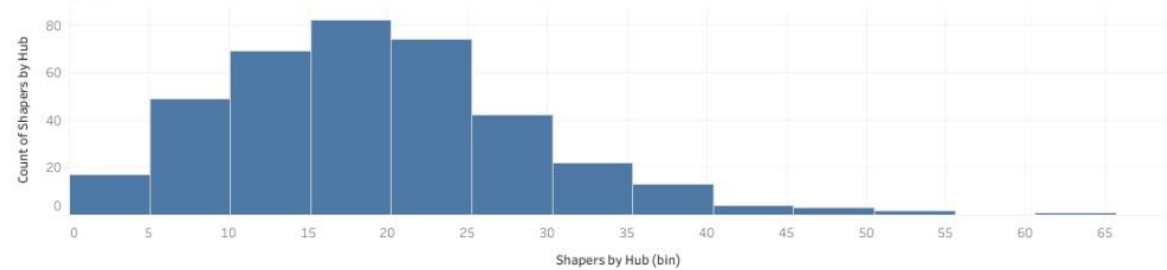
- US stands at top in women contributions being a developed country, followed by Chile
- India has highest women shapers in Mumbai, being the financial capital of the country
- Los angeles comes top in US with 48, while Portland stands second with 38

Filtering by selecting country on geomap

Occupation Word Cloud



Histogram of Hub Membership



Observation -

Word cloud clearly indicates the presence of women in higher positions of responsibilities like Founder, Co-founder, etc.

Conclusion - In this experiment, we visualized the women empowerment related data using tableau interactive dashboard