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SARDARPATELINSTITUTE OF TECHNOLOGY
(Empowered Autonomous Institute Affiliated to University of Mumbai)
[Knowledge is Nectar]

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Visualization

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

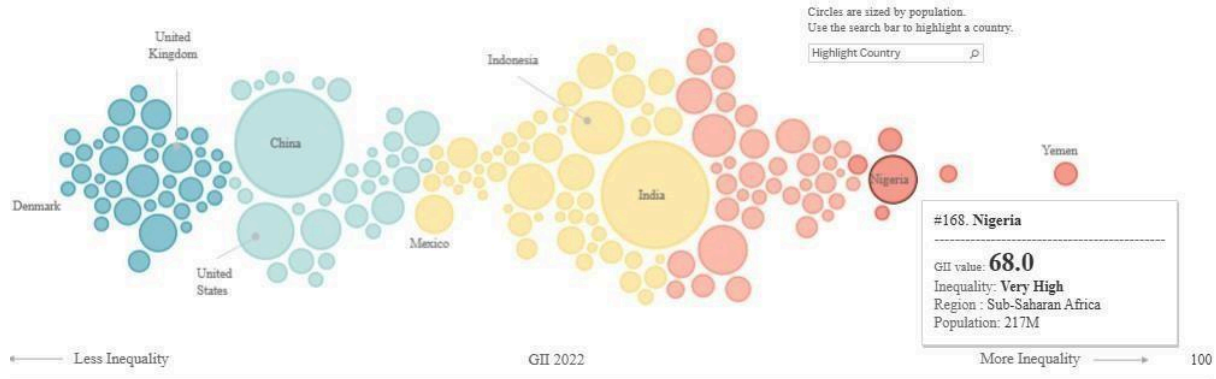
Features in the dataset:

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.

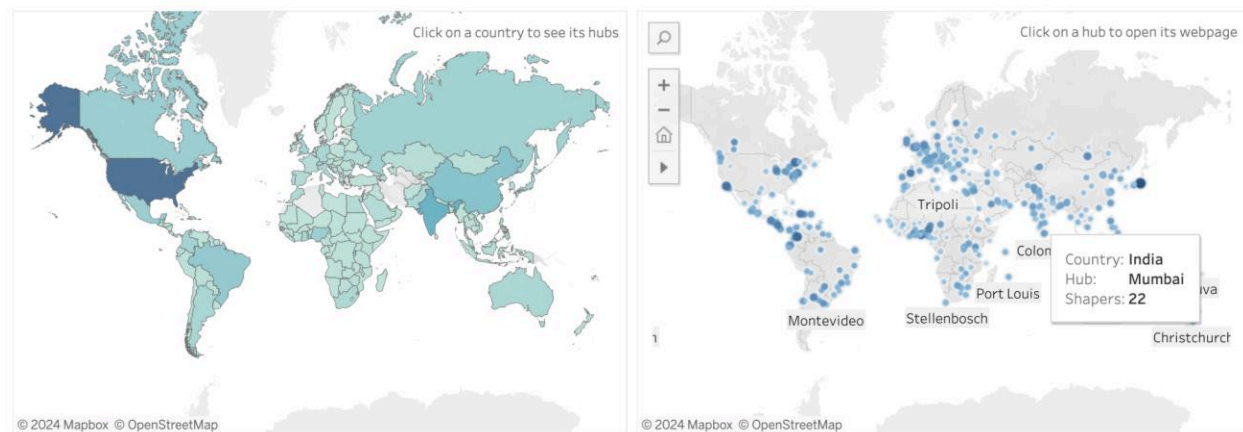
11. GII Rank: The rank of the country relative to others based on its GII score, indicating its position in comparison to other countries regarding gender equality.

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



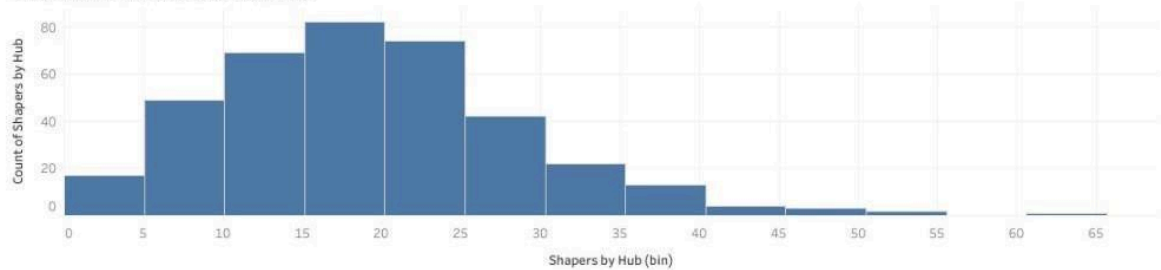
Observation -

- 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