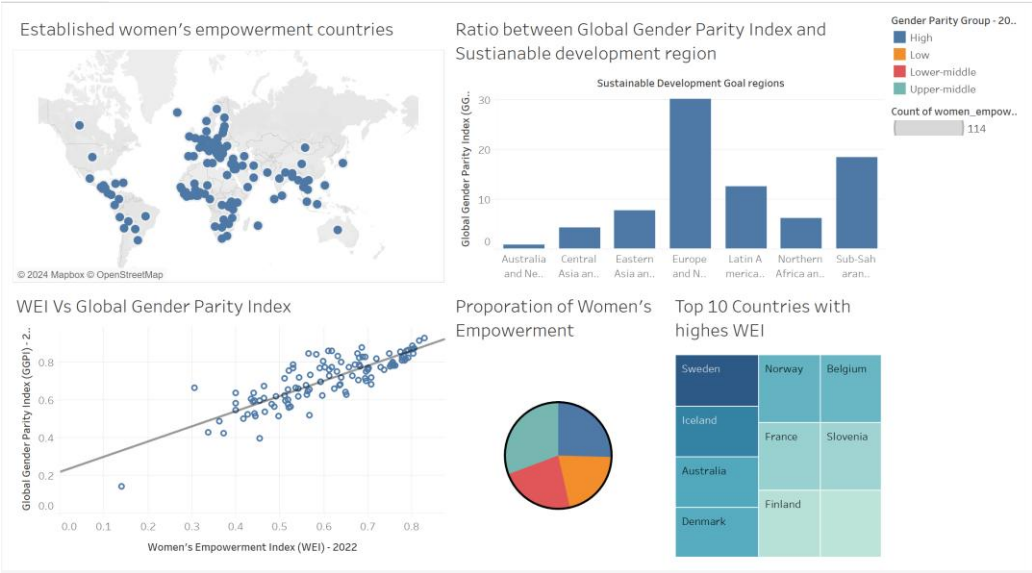| Name:	Varshil Shah
UID:	2022301013
Dept & Batch	COMPS (D)
Experiment No.	9

AIM:	Design Big Data Dashboard using Tableau on dataset -Women empowerment / Gender participation
Dataset:	• **Country:** The name of the country or territory included in the dataset. • **Women's Empowerment Index (WEI) - 2022:** Quantifies women's empowerment within each country for the year 2022, offering insights into gender dynamics and opportunities for women. • **Women's Empowerment Group - 2022:** Categorizes countries based on their performance and status regarding women's empowerment, facilitating comparative analysis. • **Global Gender Parity Index (GGPI) - 2022:** Measures gender parity at a global level for the year 2022, indicating the degree of equality between men and women. • **Gender Parity Group - 2022:** Classifies countries into groups based on their level of gender parity, aiding in the identification of trends and disparities. • **Human Development Group - 2021:** Classifies countries into specific groups based on their Human Development Index (HDI) scores and development levels for the year 2021. • **Sustainable Development Goal regions:** Aligns countries with specific regions as defined by the Sustainable Development Goals (SDGs), providing context for development efforts and initiatives.

	Link: https://www.kaggle.com/datasets/iamsouravbanerjee/women-empowerment-index/data
Charts/ Dashboard:	 ⬜ **Map - "Established Women's Empowerment Countries"**: • This map uses markers to show countries that have established or high levels of women's empowerment. Each blue dot represents a country with data on women's empowerment status, likely based on certain metrics or indexes. ⬜ **Bar Chart - "Ratio between Global Gender Parity Index and Sustainable Development Regions"**: • This bar chart displays the Global Gender Parity Index (GGPI) across different Sustainable Development Goal (SDG) regions. Europe and North America have the highest GGPI score, followed by Sub-Saharan Africa and Latin America, while regions like Australia & New Zealand and Central Asia have lower scores.

- This chart likely illustrates how different regions perform regarding gender parity, with higher bars indicating regions with better gender parity outcomes.

☐ **Scatter Plot - "WEI vs Global Gender Parity Index"**:

- This scatter plot shows the relationship between the Women's Empowerment Index (WEI) and the Global Gender Parity Index (GGPI) for different countries.

- There is a positive correlation, as indicated by the upward trend, suggesting that countries with higher WEI scores also tend to have higher GGPI scores, linking empowerment and parity.

☐ **Pie Chart - "Proportion of Women's Empowerment"**:

- This pie chart provides a breakdown of women's empowerment by different categories or groups, possibly indicating the proportion of countries that fall into various levels of empowerment.

- The colors correspond to different groups, though further details aren't provided in this chart alone.

☐ **Tree Map - "Top 10 Countries with Highest WEI"**:

- This tree map highlights the top 10 countries with the highest Women's Empowerment Index (WEI) scores.

- Countries such as Sweden, Norway, Iceland, and Belgium are among the highest ranked, with larger and darker-colored boxes likely representing higher WEI scores.

☐ **Legend - "Gender Parity Group - 2022"**:

- The legend explains the color-coding used for gender parity groups, which range from high (dark blue) to low (orange), with intermediate categories (lower-middle and upper-middle) represented by different shades.

- This legend probably applies to multiple charts in the dashboard,

	helping users understand the categorization of countries based on gender parity levels.
CONCLUSION	In conclusion, this Big Data Dashboard on "Women Empowerment " provides an insightful overview of gender equality metrics, including the Women's Empowerment Index (WEI), Gender Parity Index (GPI). Interactive charts reveal regional disparities, with high-income regions generally showing higher empowerment scores, while lower-income regions have more room for improvement. The dashboard highlights a positive link between economic development and gender parity, suggesting that women's empowerment contributes to societal progress. By tracking these metrics over time, the dashboard helps identify where targeted interventions in education, employment, and political participation could make the most impact, supporting global efforts toward achieving gender equality.