Advanced Data Visualization Lab
Sem 7 B.Tech. Program Elective
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Expt 9: Gender Participation

Design Big Data Dashboards using Tableau on the dataset - Women empowerment / Gender participation

- Basic - Bar chart, Pie chart, Histogram, Time line chart, Scatter plot, Bubble plot
- Advanced - Word chart, Box and whisker plot, Violin plot, Regression plot (linear and nonlinear), 3D chart, Jitter
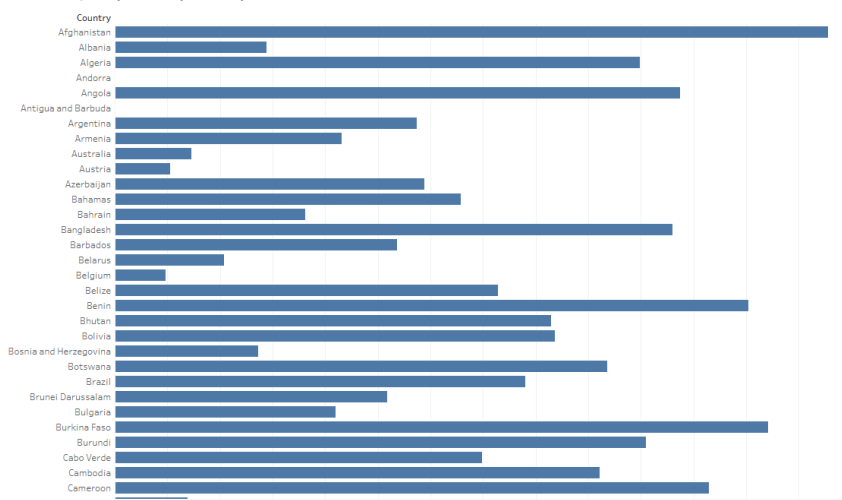- Write observations from each chart

Software Used: Tableau
Dataset Used: https://www.kaggle.com/datasets/gianinamariapetrascu/gender-inequality-index

The Gender Inequality Index (GII) dataset provides a comprehensive measure of gender inequality across countries, capturing gender disparities in health, education, and economic opportunities. Developed by the United Nations Development Programme (UNDP), the GII measures gender inequality by analyzing health, empowerment, and labor market participation indicators.

This dataset includes GII scores, as well as component scores for each indicator, for over **190 countries, in 2021**.
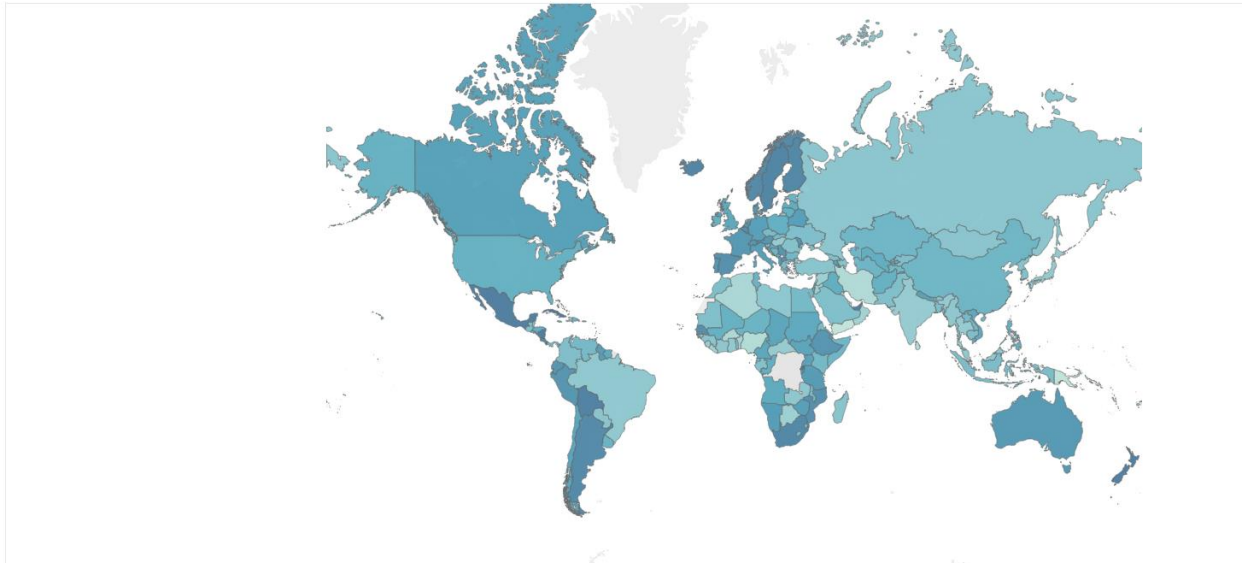
Bar Chart

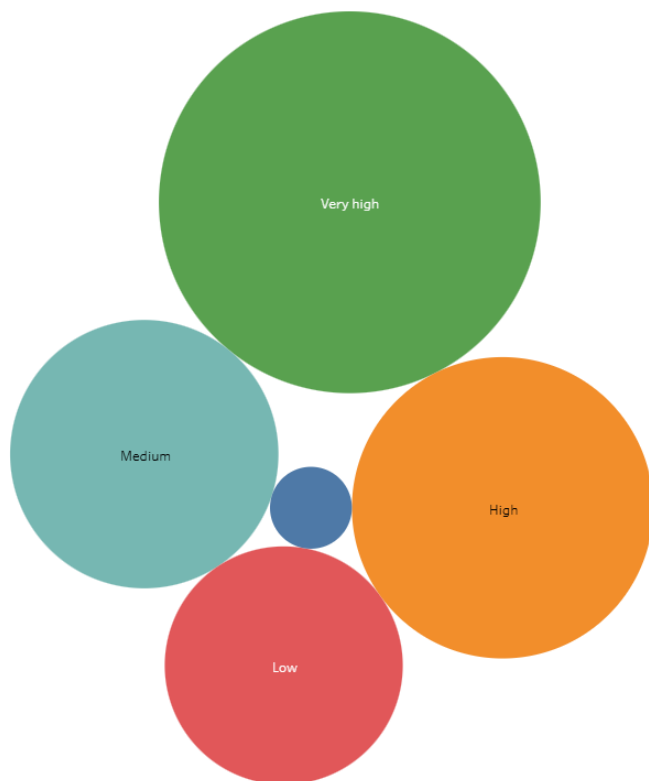This chart shows the gender inequality index by country through a bar chart.

Heat Map

This graph has %seats occupied in parliament by women. The west has more women representation than the east in the parliament.
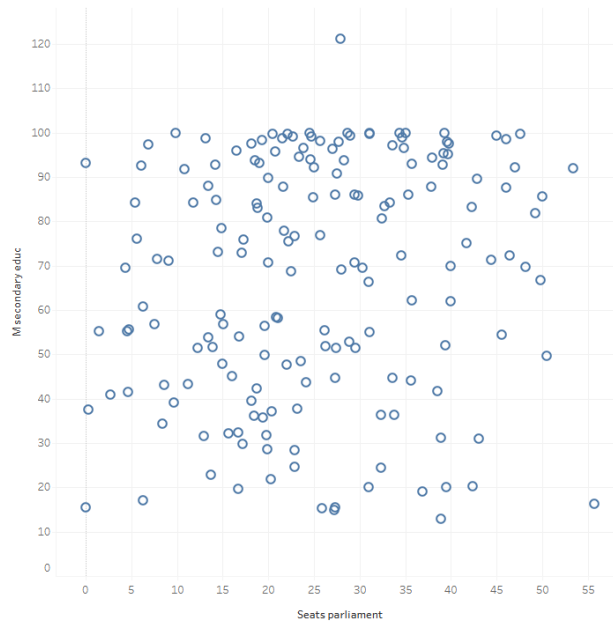
Bubble Chart

Human Development vs Seats in Parliament

This graph shows that the more developed the country,more is representation in the parliament.
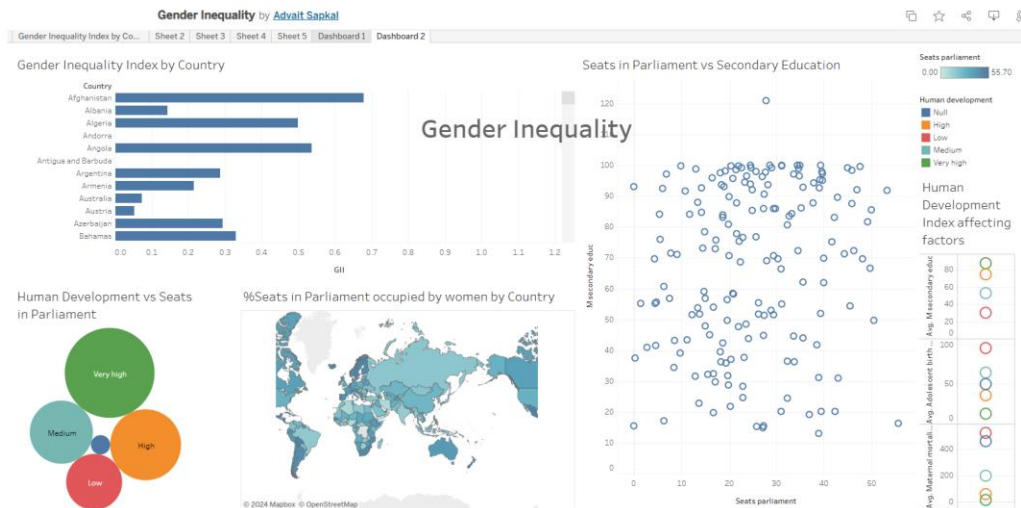
Scatter Plot

Seats in Parliament vs Secondary Education

This graph shows there is not much significant relation in secondary education and seats occupied in the parliament. It depends more on the perception of women in the country.

Dashboard:

https://public.tableau.com/views/GenderInequality_1731816854770/Dashboard2?:language=en-US&:sid=&:redirect=auth&:display_count=n&:origin=viz_share_link