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Project Title: -

Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis using Tableau

Report of the Visualizations: -

Scenario 1 – 2022 Economic Freedom Score Map: -

A summary of the entire dataset highlighting:

- High scores in developed countries (e.g., Singapore, Ireland); low scores in parts of Africa and South Asia.
- Color gradient clearly shows global differences in economic freedom.
- Suggest a link between freedom and prosperity across regions.

Scenario 2 – Top 40 Ranking Countries in the Index: -

- Countries like Singapore, Ireland, and Switzerland rank at the top in economic freedom for 2022.
- The chart displays the Top 40 countries ranked by their Economic Freedom Score in descending order.
- These top-ranked nations reflect strong economic policies, open markets, and institutional stability

Scenario 3 – Bottom Ranking Countries in the Index: -

- Countries like Venezuela, North Korea, and Zimbabwe rank at the bottom of the Economic Freedom Index.

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- The chart displays the lowest 40 countries ranked by overall economic freedom.
- These low-ranking nations often reflect restricted markets, low transparency, and poor policy environments.

Scenario 4 – Index Score Based on Employment Rate: -

- The line chart shows how Economic Freedom Score trends with employment rate across different countries.
 - Countries with higher employment rates generally align with higher index scores.
 - The visualization helps identify stable economies where freedom and job availability go together
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Scenario 5 – Index Score Based on Financial Freedom: -

- The tree map visualizes countries by their financial freedom score, with a size representing index score.
 - Each region is color-coded, making it easy to compare financial openness across continents.
 - The chart highlights how regional patterns affect both financial and overall economic freedom.
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Scenario 6 – Index Based on Population: -

- The horizontal bar chart displays countries by population size, with bars colored by economic freedom scores .
 - This view highlights how high-population countries differ in their level of economic freedom.
 - The color gradient helps visually compare freedom levels across the most populous nations.
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- **Scenario 7 – Index Score Based on 5-Year GDP Growth Rate (%)**

- The Gantt chart illustrates countries by their 5-year GDP growth rate, with bar length representing economic freedom scores.
 - It effectively shows how sustained economic growth aligns with higher freedom scores.
 - The chart highlights variations in long-term growth patterns among nations with different freedom levels.
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Scenario 8 – Inflation Rate in Different Countries: -

- The area chart visualizes the inflation rate across countries, making differences easy to compare.
 - Countries with high inflation show visibly larger areas, drawing attention to economic instability.
 - The smooth area flow highlights regional inflation trends and economic pressure points globally.
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Scenario 9 – Correlation Between Inflation and Unemployment: -

- The line chart shows how inflation and unemployment rates change across countries.
 - The pattern reveals a possible inverse relationship, reflecting the Phillips Curve concept.
 - It helps identify countries where rising inflation may impact job availability, or vice versa.
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Scenario 10 – Correlation Between GDP (PPP) and Monetary Freedom: -

- The line chart displays the relationship between GDP (PPP) and Monetary Freedom across countries.
 - It highlights that countries with greater monetary freedom often have higher economic output (PPP).
 - The chart reveals how policy flexibility may influence a nation's purchasing power and economic size.
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