

Model Performance Testing

Date: 25 JUNE 2025

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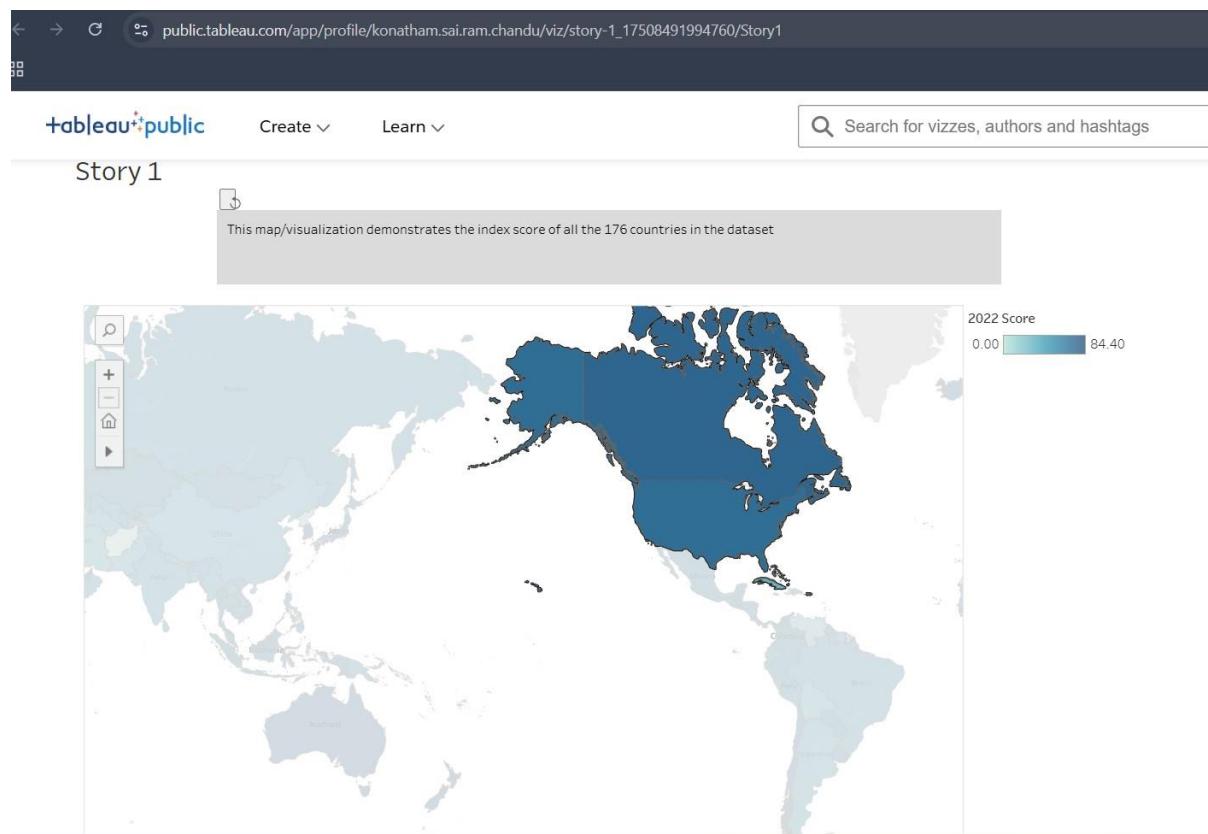
Project Name: Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis

Maximum Marks: 4 Marks

1. Data Rendered

Captured metrics and country-level scores from the 2022 Index of Economic Freedom dataset.

Screenshot/Values:



Data includes 176 countries, 12 pillars, overall scores.

2. Data Preprocessing

- Cleaned null values and standardized country names.
- Aggregated year-over-year trends for key countries.

3. Utilization of Filters

Applied interactive filters to dashboards:

- Country selector (multi-select)
- Pillar selection (dropdown)
- Year slider (range filter)

4. Calculation Fields Used

Created following calculated fields:

- Score Change = [Current Year Score] - [Previous Year Score]
- IsImproving = IF [Score Change] > 0 THEN "Yes" ELSE "No" END

5. Dashboard Design

Number of Visualizations / Graphs: 6

Include:

- World Map (Score by country)
- Pillar Comparison Bar Chart
- Top 10 Countries (Overall Score)
- Time-series Line Chart (Score Trends)
- Scatter Plot (Score vs GDP)
- Highlight Table (Score Change by Country)

Screenshot:

6. Story Design

Number of Visualizations / Graphs: 7

Each story includes 3–4 visuals and narrative text, covering themes such as:

- Regional Trends Over Time
- High-Performing vs Low-Performing Countries
- Fiscal Health Impact
- Policy Recommendations

(Embed screenshot of first storyboard slide)

