

**Project Development Phase**  
**Model Performance Test**

Date	21 June 2025
Team ID	LTVIP2025TMID49241
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
Maximum Marks	

**Model Performance Testing:**

Project team shall fill the following information in model performance testing template.

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	<p>The dashboard renders comprehensive country-level economic data including:</p> <ul style="list-style-type: none"> <li>- Economic Score/Index</li> <li>- Country ID and Country Name</li> <li>- 5-Year GDP Growth Rate</li> <li>- Business Freedom, Corporate Tax Rate (%), FDI Inflow (Millions), Financial Freedom, Fiscal Health, GDP (Billions), GDP Growth Rate (%), GDP per Capita (PPP), Government Integrity, Government Expenditure (%) of GDP, Government Spending, Income Tax Rate (%), Inflation (%), Index of Population, Unemployment (%).</li> <li>-The data appears to cover multiple years, showing trends and comparisons across a wide range of countries</li> </ul>
2.	Data Preprocessing	<p>Preprocessing likely involved:</p> <ul style="list-style-type: none"> <li>- <b>Data Cleaning:</b> Handling missing values, correcting inconsistencies, and standardizing country names.</li> <li>- <b>Data Transformation:</b> Aggregating data to specific years or regions, potentially calculating the composite Economic Freedom Index from its constituent components.</li> <li>- <b>Geographic Data Preparation:</b> Ensuring country names are recognized by Tableau for mapping.</li> <li>- <b>Feature Engineering:</b> Creating calculated fields such as "5 Year GDP Growth Rate" or specific "Economic Score" components if not directly present in the raw data.</li> </ul>
3.	Utilization of Filters	<p>The dashboard extensively uses filters and interactive elements:</p> <ul style="list-style-type: none"> <li>- <b>Country Name Filter:</b> Allows users to select specific countries for focused analysis.</li> <li>- <b>Measures Filter:</b> To select different economic indicators (e.g., Inflation, Unemployment, GDP) for visualization and correlation.</li> </ul>

		<ul style="list-style-type: none"> <li>- <b>Year Slider/Filter:</b> To change the year for which the data is displayed on the map and other charts.</li> <li>- <b>Interactive Map Selection:</b> Clicking on countries on the map appears to filter other related views</li> </ul>
4.	Calculation fields Used	<p>Based on the metrics and visualizations, the following calculated fields are likely used:</p> <ul style="list-style-type: none"> <li>- <b>Economic Score/Index:</b> A composite score derived from various sub-indicators of economic freedom.</li> <li>- <b>5 Year GDP Growth Rate:</b> Likely a calculation based on GDP values over a five-year period.</li> <li>- <b>Rankings:</b> Calculated fields to determine and display the "Top 40 countries rank of Economy" and "Least ranked countries of economic index."</li> <li>- <b>Region Groupings:</b> Possibly a calculated field to group countries into broader regions for high-level analysis.</li> </ul>
5.	Dashboard design	<p>No of Visualizations / Graphs –</p> <p>The primary dashboard ("Dashboard 1" / "Global Rankings &amp; Financial Freedom Impact Dashboard") contains at least 5 distinct visualizations/sections</p> <ul style="list-style-type: none"> <li>- Choropleth Map (e.g., "Visualizing Economic Freedom and Instability Around the World")</li> <li>- Correlation Chart (e.g., "Correlation of Countries Based on Inflation &amp; Unemployment")</li> <li>- Horizontal Bar Chart (e.g., "Index of Population")</li> <li>- "Insights Overview" Text Box</li> <li>- "Top 40 Countries rank of Economy" bar/map chart</li> <li>- "Countries Less Than 25 of Economy Index" (potentially a tree map or similar chart)</li> </ul>
6	Story Design	<p>No of Visualizations / Graphs –</p> <p>The "Story" section ("Journey Through the 2002 Global Economy") explicitly shows 5 story points/pages, each potentially containing one or more visualizations:</p> <ul style="list-style-type: none"> <li>- Story Point 1: World Map of Economic Score.</li> <li>- Story Point 2: Top 40 Countries Rank.</li> <li>- Story Point 3: Least Ranked Countries.</li> <li>- Story Point 4: Correlation of Countries Based on Inflation &amp; Unemployment.</li> <li>- Story Point 5: Index of Population.</li> <li>- Story Point 6: Financial Freedom of Countries.</li> <li>- Story Point 7: Index of 5 yrs GDP Rate.</li> </ul>