

Project Development Phase Model  
Performance Test

Date	30 June 2025
Team ID	LTVIP2025TMID47620
Project Name	Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis
Maximum Marks	

Model Performance Test ng:

Project team shall fill the following information on in model performance tes ng 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>- Data Cleaning: Handling missing values, correcting inconsistencies, and standardizing country names.</li> <li>- Data Transform on: Aggregating data to specific years or regions, potentially calculating the composite Economic Freedom Index from its consistent components.</li> <li>- Geographic Data Prepare on: Ensuring country names are recognized by Tableau for mapping.</li> <li>- Feature Engineering: 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>- Country Name Filter: Allows users to select specific countries for focused analysis.</li> <li>- Measures Filter: To select different economic indicators (e.g., Inflation, Unemployment, GDP) for visualization and correlation.</li> </ul>
		<ul style="list-style-type: none"> <li>- Year Slider/Filter: To change the year for which the data is displayed on the map and other charts.</li> <li>- Interactive Map Selection: 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>- Economic Score/Index: A composite score derived from various sub-indicators of economic freedom.</li> <li>- 5 Year GDP Growth Rate: Likely a calculation based on GDP values over a five-year period.</li> <li>- Rankings: Calculated fields to determine and display the "Top 40 countries rank of Economy" and "Least ranked countries of economic index."</li> <li>- Region Groupings: 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 - "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: 2022 Economic freedom score</li> <li>- Story Point 2: Top 40 ranking countries in the index</li> <li>- Story Point 3: Bottom ranking countries in the index</li> <li>- Story Point 4: Index score based on unemployment rate</li> <li>- Story Point 5: Index score based on financial freedom</li> <li>- Story Point 6: Index score based on population</li> <li>- Story Point 7: Index score based on 5 year GDP growth rate(%)</li> <li>- Story Point 8: Inflation rate in different countries</li> <li>- Story Point 9: Correlation between inflation and unemployment</li> <li>- Story Point 10: Correlation between GDP(PPP) and monetary freedom</li> <li>- Story Point 11: Top 40 countries by GDP growth rate</li> </ul>

