

**Project Development Phase**  
**Model performance test**

<b>Date:</b>	1.07.2025
<b>Team Id:</b>	LTVIP2025TMID52456
<b>Project Name:</b>	Measuring the pulse of prosperity: An Index of economic freedom analysis
<b>Maximum Marks:</b>	

**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>

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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</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 on 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>
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