Project Development Phase
Model Performance Test

Date	21 June 2025
Team ID	LTVIP2025TMID48703
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	The dashboard renders comprehensive country-level economic data including: - Economic Score/Index - Country ID and Country Name - 5-Year GDP Growth Rate - 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 (%). -The data appears to cover multiple years, showing trends and comparisons across a wide range of countries
2.	Data Preprocessing	Preprocessing likely involved: - **Data Cleaning:** Handling missing values, correcting inconsistencies, and standardizing country names. - **Data Transformation:** Aggregating data to specific years or regions, potentially calculating the composite Economic Freedom Index from its constituent components. - **Geographic Data Preparation:** Ensuring country names are recognized by Tableau for mapping. - **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.

3.	Utilization of Filters	The dashboard extensively uses filters and interactive elements: - **Country Name Filter:** Allows users to select specific countries for focused analysis. - **Measures Filter:** To select different economic indicators (e.g., Inflation, Unemployment, GDP) for visualization and correlation.
		- **Year Slider/Filter:** To change the year for which the data is displayed on the map and other charts. - **Interactive Map Selection:** Clicking on countries on the map appears to filter other related views
4.	Calculation fields Used	Based on the metrics and visualizations, the following calculated fields are likely used: - **Economic Score/Index:** A composite score derived from various sub-indicators of economic freedom. - **5 Year GDP Growth Rate:** Likely a calculation based on GDP values over a five-year period. - **Rankings:** Calculated fields to determine and display the "Top 40 countries rank of Economy" and "Least ranked countries of economic index." - **Region Groupings:** Possibly a calculated field to group countries into broader regions for high-level analysis.
5.	Dashboard design	No of Visualizations / Graphs – The primary dashboard ("Dashboard 1" / "Global Rankings & Financial Freedom Impact Dashboard") contains at least 5 distinct visualizations/sections - Choropleth Map (e.g., "Visualizing Economic Freedom and Instability Around the World") - Correlation Chart (e.g., "Correlation of Countries Based on Inflation & Unemployment") - Horizontal Bar Chart (e.g., "Index of Population") - "Insights Overview" Text Box - "Top 40 Countries rank of Economy" bar/map chart - "Countries Less Than 25 of Economy Index" (potentially a tree map or similar chart)

6	Story Design	No of Visualizations / Graphs – The "Story" section ("Journey Through the 2002 Global Economy") explicitly shows 5 story points/pages, each potentially containing one or more visualizations: - Story Point 1: World Map of Economic Score. - Story Point 2: Top 40 Countries Rank. - Story Point 3: Least Ranked Countries. - Story Point 4: Correlation of Countries Based on Inflation & Unemployment. - Story Point 5: Index of Population. - Story Point 6: Financial Freedom of Countries. - Story Point 7: Index of 5 yrs GDP Rate.