Project Development Phase
Model Performance Test

| Date | 30 June 2025 |
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| Team ID | LTVIP2025TMID50975 |
| 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 |
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| 1. | Data Rendered | The dashboard renders comprehensive country-level economic data including:<br>- Economic Score/Index<br>- Country ID and Country Name<br>- 5-Year GDP Growth Rate<br>- 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 (%), Infla on (%), Index of Popula on, Unemployment (%).<br>-The data appears to cover mul ple years, showing trends and comparisons across a wide range of countries |

| 2. | Data Preprocessing | Preprocessing likely involved:<br>-　　　Data Cleaning: Handling missing values, correc ng inconsistencies, and standardizing country names. - Data Transform on: Aggreeing data to specific years or regions, poten ally calculating ng the composite Economic Freedom Index from its consistent components. - Geographic Data Prepare on: Ensuring country names are recognized by Tableau for mapping.<br>-　　　Feature Engineering: Crea ng calculated fields such as "5 Year GDP Growth Rate" or specific "Economic Score" components if not directly present in the raw data. |
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| 3. | U liza on of Filters | The dashboard extensively uses filters and interac ve elements:<br>-　　　Country Name Filter: Allows users to select specific countries for focused analysis.<br>-　　　Measures Filter: To select different economic indicators (e.g., Infla on, Unemployment, GDP) for visualiza on and correla on. |
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|  |  | -　　　Year Slider/Filter: To change the year for which the data is displayed on the map and other charts.<br>-　　　Interac ve Map Selec on: Clicking on countries on the map appears to filter other related views |
| 4. | Calcula on fields Used | Based on the metrics and visualiza ons, the following calculated fields are likely used:<br>-　　　Economic Score/Index: A composite score derived from various sub-indicators of economic freedom.<br>-　　　5 Year GDP Growth Rate: Likely a calcula on based on GDP values over a five-year period.<br>-　　　Rankings: Calculated fields to determine and display the "Top 40 countries rank of Economy" and "Least ranked countries of economic index."<br>-　　　Region Groupings: Possibly a calculated field to group countries into broader regions for high-level analysis. |

| 5. | Dashboard design | No of Visualiza ons / Graphs –<br>The primary dashboard ("Dashboard 1" / "Global Rankings & Financial Freedom Impact Dashboard") contains at least 5 dis nct visualiza ons/sec ons<br>- Choropleth Map (e.g., "Visualizing Economic Freedom and<br>Instability Around the World")<br>- Correla on Chart (e.g., "Correla on of Countries Based on<br>Infla on & Unemployment")<br>- Horizontal Bar Chart (e.g., "Index of Popula on")<br>- "Insights Overview" Text Box<br>- "Top 40 Countries rank of Economy" bar/map chart<br>-"Countries Less Than 25 of Economy Index" (poten ally a tree map or similar chart) |
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| 6 | Story Design | No of Visualizations / Graphs –<br>The "Story" sec on ("Journey Through the 2002 Global Economy") explicitly shows 5 story points/pages, each poten ally containing one or more visualizatons:   -<br>Story Point 1: 2022 Economic freedom score<br> - Story Point 2: Top 40 ranking countries in the index<br><br> -Story Point 3:  Bo om ranking countries in the index<br> -Story Point 4:  Index score based on unemployment rate<br> -Story Point 5:  Index score based on financial freedom<br><br> -Story Point 6:  Index score based on popula on<br> -Story Point 7: Index score based on 5 year on GDP growth rate(%)<br><br>-Story Point 8:  Infla on rate in different countries -Story Point 9:  Correla on between infla on and unemployment<br><br>-Story Point 10:  Correla on between GDP(PPP) and monetary freedom<br><br>-Story Point 11: Top 40 countries by GDP growth rate |