

ProjectDevelopmentPhase
Model Performance Test

Date	28June2025
Team ID	LTVIP2025TMID34780
ProjectName	MeasuringthePulseofProsperity:AnIndexof Economic Freedom Analysis
MaximumMarks	

ModelPerformanceTesting:

Projectteamshallfillthefollowinginformationinmodelperformancetestingtemplate.

S.No.	Parameter	Screenshot/Values
1.	DataRendered	The dashboard renders comprehensive country-level economic data including: - EconomicScore/Index - CountryIDandCountryName - 5-YearGDPGrowthRate - Business Freedom, Corporate Tax Rate (%), FDI Inflow (Millions), FinancialFreedom, FiscalHealth, GDP (Billions), GDP Growth Rate (%), GDP per Capita(PPP), Government Integrity, Government Expenditure (%) of GDP, GovernmentSpending, IncomeTaxRate(%), Inflation(%), Index of Population, Unemployment (%). - The data appears to cover multiple years, showing trends and comparisons across a wider range of countries
2.	DataPreprocessing	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 "5YearGDPGrowthRate" or specific "Economic Score" components if not directly present in the raw data.

3.	Utilization of Filters	<p>The dashboard extensively uses filters and interactive elements:</p> <ul style="list-style-type: none"> - CountryNameFilter: Allows users to select specific countries for focused analysis. - MeasuresFilter: To select different economic indicators (e.g., Inflation, Unemployment, GDP) for visualization and correlation.
		<ul style="list-style-type: none"> - YearSlider/Filter: To change the year for which the data is displayed on the map and other charts. - InteractiveMapSelection: Clicking on countries on the map appears to filter other related views
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"> - EconomicScore/Index: A composite score derived from various sub-indicators of economic freedom. - 5YearGDPGrowthRate: 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." - RegionGroupings: Possibly a calculated field to group countries into broader regions for high-level analysis.
5.	Dashboard design	<p>No of Visualizations/Graphs—</p> <p>The primary dashboard ("Dashboard1"/"Global Rankings & Financial Freedom Impact Dashboard") contains at least 5 distinct visualizations/sections</p> <ul style="list-style-type: none"> - 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	StoryDesign	<p>NoofVisualizations/Graphs–</p> <p>The"Story"section("JourneyThroughthe2002Global Economy") explicitly shows 5 story points/pages, each potentially containing one or more visualizations:</p> <ul style="list-style-type: none"> - StoryPoint1:2022Economicfreedomscore - StoryPoint2:Top40rankingcountriesintheindex -StoryPoint3:Bottomrankingcountriesintheindex -StoryPoint4:Indexscorebasedonunemploymentrate -StoryPoint5:Indexscorebasedonfinancialfreedom -StoryPoint6:Indexscorebasedonpopulation -StoryPoint7:Indexscorebasedon5yearonGDPgrowth rate(%) -StoryPoint8:Inflationrateindifferentcountries -StoryPoint9:Correlationbetweeninflationand unemployment -StoryPoint10:CorrelationbetweenGDP(PPP)and monetary freedom -StoryPoint11:Top40countriesbyGDPgrowthrate
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