ProjectDevelopmentPhase Model Performance Test

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| Date | 3 July 2025 |
| TeamID | LTVIP2025TMID60948 |
| ProjectName | MeasuringthePulseofProsperity:AnIndexof  EconomicFreedomAnalysis |
| MaximumMarks |  |

**ModelPerformanceTesting:**

Projectteamshallfillthefollowinginformationinmodelperformancetestingtemplate.

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| **S.No.** | **Parameter** | **Screenshot/Values** |
| 1. | Data Rendered | Thedashboardrenderscomprehensivecountry-level economic data including:   * EconomicScore/Index * CountryIDandCountryName * 5-YearGDPGrowth Rate * Business Freedom, Corporate Tax Rate (%), FDI Inflow (Millions),FinancialFreedom,FiscalHealth,GDP(Billions), GDP Growth Rate (%), GDPper Capita (PPP), Government Integrity, Government Expenditure (%) of GDP, GovernmentSpending,IncomeTaxRate(%),Inflation(%), Index of Population, Unemployment (%).   -Thedataappearstocovermultipleyears,showingtrends  andcomparisonsacrossawiderangeofcountries |
| 2. | Data Preprocessing | Preprocessinglikelyinvolved:   * **DataCleaning:**Handlingmissingvalues,correcting inconsistencies, and standardizing country names. * **Data Transformation:** Aggregating data to specific years orregions,potentiallycalculatingthecompositeEconomic Freedom Index from its constituent components. * **GeographicDataPreparation:**Ensuringcountrynames are recognized by Tableau for mapping. * **FeatureEngineering:**Creatingcalculatedfieldssuchas"5   YearGDPGrowthRate"orspecific"EconomicScore" components if not directly present in the raw data. |
| 3. | Utilizationof Filters | Thedashboardextensivelyusesfiltersandinteractive elements:   * **CountryNameFilter:**Allowsuserstoselectspecific countries for focused analysis. * **Measures Filter:**Toselectdifferenteconomic indicators (e.g.,Inflation,Unemployment,GDP)forvisualizationand   correlation. |

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|  |  | * **YearSlider/Filter:**Tochangetheyearforwhichthedatais displayed on the map and other charts. * **InteractiveMapSelection:**Clickingoncountriesonthe map appears to filter other related views |
| 4. | CalculationfieldsUsed | Basedonthemetricsandvisualizations,thefollowing calculated fields are likely used:   * **EconomicScore/Index:**Acompositescorederivedfrom various sub-indicators of economic freedom. * **5YearGDPGrowthRate:**Likelyacalculationbasedon GDP values over a five-year period. * **Rankings:**Calculatedfieldstodetermineanddisplaythe "Top 40 countries rank of Economy" and "Least ranked countries of economic index." * **RegionGroupings:**Possiblyacalculatedfieldtogroup countries into broader regions for high-level analysis. |
| 5. | Dashboarddesign | NoofVisualizations/Graphs–  The primary dashboard ("Dashboard 1" / "Global Rankings &FinancialFreedomImpactDashboard")containsatleast5 distinct visualizations/sections   * ChoroplethMap(e.g.,"VisualizingEconomicFreedomand Instability Around the World") * CorrelationChart(e.g.,"CorrelationofCountriesBasedon Inflation & Unemployment") * HorizontalBarChart(e.g.,"IndexofPopulation") * "InsightsOverview"TextBox * "Top40CountriesrankofEconomy"bar/map chart   -"CountriesLessThan25ofEconomyIndex"(potentiallya tree map or similar chart) |
| 6 | StoryDesign | NoofVisualizations/Graphs–  The"Story"section("JourneyThroughthe2002Global Economy") explicitly shows 5 story points/pages, each potentially containing one or more visualizations:   * StoryPoint1:WorldMapofEconomic Score. * StoryPoint2:Top40CountriesRank. * StoryPoint3:LeastRankedCountries. * StoryPoint4:CorrelationofCountriesBasedonInflation & Unemployment. * StoryPoint5:IndexofPopulation. * StoryPoint6:FinancialFreedomofCountries. * StoryPoint7:Indexof5yrsGDPRate. |