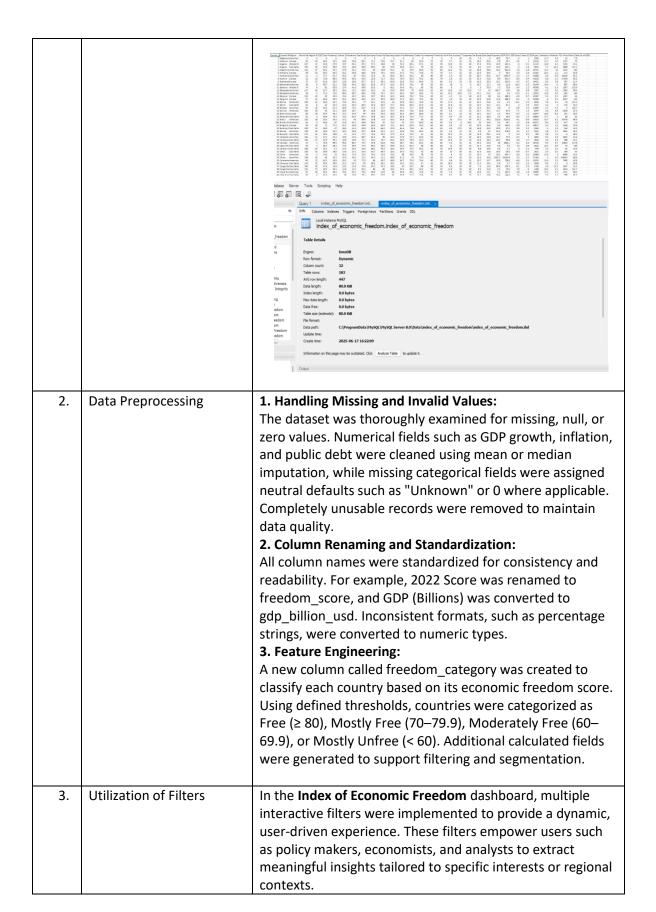
Project Development Phase Model Performance Test

| Date | 27 June 2025 |
|---------------|--|
| Team ID | LTVIP2025TMID50685 |
| 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 dataset used in this project is based on the Index of Economic Freedom, primarily sourced from the Heritage Foundation, supplemented with data on GDP, unemployment, inflation, FDI, and public debt. It contains 177 rows, each representing a country, and approximately 32 columns capturing various economic and governance indicators. Key attributes in the dataset include: Country Name and Region (e.g., Asia-Pacific, Europe, Sub-Saharan Africa) World Rank and Region Rank 2022 Economic Freedom Score – the main index measuring economic liberty on a scale of 0 to 100. Property Rights, Judicial Effectiveness, Government Integrity – used to assess the rule of law. Tax Burden, Government Spending, Fiscal Health – used to measure government size and financial discipline. Business Freedom, Labor Freedom, Monetary Freedom – showing regulatory efficiency. Trade Freedom, Investment Freedom, Financial Freedom – assessing open markets. Economic Indicators: 1. Population (Millions) 2. GDP (Billions USD) 3. GDP Growth Rate (%) 4. GDP per Capita (PPP) 5. Unemployment Rate (%) 6. Inflation Rate (%) 7. Public Debt (% of GDP) |



1. Region Filter

• Type: Dropdown or checkbox filter

Field Used: Region

 Purpose: Allows users to focus on a specific geographical area, such as Asia-Pacific, Europe, Sub-Saharan Africa, Middle East, or Americas.

 Use Case: Helps compare economic freedom indicators within a region and spot regional policy patterns or anomalies.

2. GDP per Capita Filter

Type: Slider or grouped range (Low/Medium/High)

Field Used: GDP per Capita (PPP)

Purpose: Filters countries based on economic prosperity

levels.

Use Case: Study if higher GDP per capita correlates with higher freedom scores.

3. Unemployment Rate Filter

• Type: Slider filter

• **Field Used**: Unemployment (%)

- Purpose: Helps analyze which freedom categories or regions are facing higher or lower employment challenges.
- **Use Case**: Understand how economic freedom may impact job markets.

4. Inflation Rate Filter

• Type: Numeric range filter

• **Field Used**: Inflation (%)

- **Purpose**: Enables comparison of inflation control among countries with varying freedom scores.
- **Use Case**: Reveal monetary policy strength across regions or freedom categories.

5. GDP Growth Rate Filter

• Type: Numeric slider

• Field Used: GDP Growth Rate (%)

- Purpose: Allows users to focus on fast-growing or struggling economies.
- **Use Case**: Determine how freedom levels influence economic growth.

6. World/Region Rank Filter

Type: Numeric range

• Fields Used: World Rank, Region Rank

- Purpose: Isolate top or bottom performers globally or regionally.
- **Use Case**: Benchmark high performers or identify countries needing policy reform.

