

Project Development Phase

Model Performance Test

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|---------------|--|
| Date | 26 June 2025 |
| Team ID | LTVIP2025TMID49412 |
| Project Name | Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis using Tableau |
| 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 | <ul style="list-style-type: none">- Total Rows: 184- Columns: 32- File used: index_of_economic_freedom.csv- Rendered from Tableau Data Source tab) |
| 2. | Data Preprocessing | <ul style="list-style-type: none">- Cleaned null values- Filtered for Year = 2022- Renamed and reformatted key columns (e.g., GDP, Score)- Joined multiple economic indicators manually |
| 3. | Utilization of Filters | <p>Filters applied to:</p> <ul style="list-style-type: none">• Year• Region• Economic Indicators (e.g., GDP, Inflation, Unemployment) <p>Filters shown on dashboards and visual sheets</p> |

| | | |
|----|-------------------------|---|
| 4. | Calculation fields Used | <ul style="list-style-type: none"> - Created calculated fields: <ul style="list-style-type: none"> • GDP Growth Bucket • Prosperity Category (based on Index Score) • Region-wise score average |
| 5. | Dashboard design | <p>No. of Visualizations / Graphs – 10</p> <ol style="list-style-type: none"> 1. Economic Freedom Map 2. Top 40 Countries by Index 3. Bottom 40 Countries 4. Index vs Unemployment 5. Financial Freedom Tree Map 6. Population Bar Chart 7. GDP Growth Gantt Chart 8. Inflation Area Chart 9. Inflation vs Unemployment 10. GDP(PPP) vs Monetary Freedom <p>No. Of Dashboards - 3</p> |
| 6 | Story Design | <p>No of Visualizations / Graphs – 1</p> <ul style="list-style-type: none"> - Story includes 7 scenario charts - Organized into 3 dashboards - Story includes transition across regional and indicator-based scenarios |

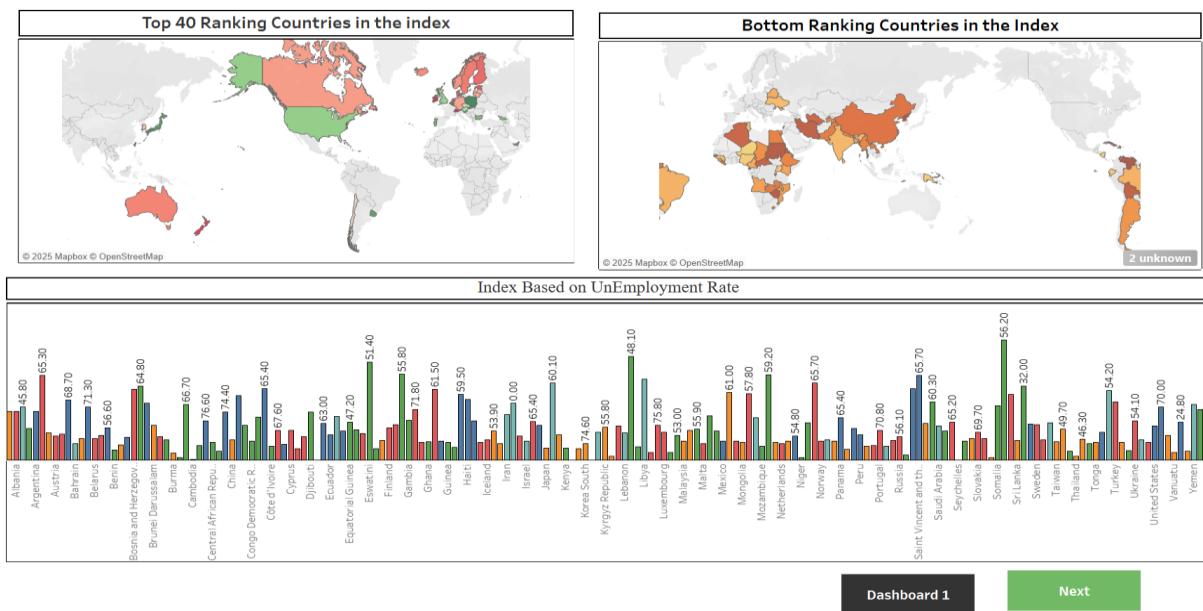
Screenshot of Data Source: -

| # | index_of_economic_freedom.csv | index_of_economic_freedom.csv | Abc | index_of_economic_freedom.csv | index_of_economic_freedom.csv | index_of_economic_freedom.csv | index_of_economic_freedom.csv | index_of_economic_freedom.csv |
|----|-------------------------------|-------------------------------|--------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|-------------------------------|
| 1 | Afghanistan | Asia-Pacific | | 0 | 0 | 0.0000 | 0.000 | |
| 2 | Albania | Europe | | 50 | 30 | 66.6000 | 55.500 | |
| 3 | Algeria | Middle East and North Africa | | 167 | 13 | 45.8000 | 27.900 | |
| 4 | Angola | Sub-Saharan Africa | | 139 | 29 | 52.6000 | 39.800 | |
| 5 | Argentina | Americas | | 144 | 27 | 50.1000 | 35.100 | |
| 6 | Armenia | Europe | | 58 | 34 | 65.3000 | 50.400 | |
| 7 | Australia | Asia-Pacific | | 12 | 4 | 77.7000 | 91.700 | |
| 8 | Austria | Europe | Australia Europe | 22 | 15 | 73.8000 | 98.400 | |
| 9 | Azerbaijan | Europe | | 75 | 37 | 61.6000 | 53.600 | |
| 10 | Bahamas | Americas | | 38 | 6 | 68.7000 | 61.100 | |
| 11 | Bahrain | Middle East and North Africa | | 74 | 4 | 62.0000 | 65.900 | |
| 12 | Bangladesh | Asia-Pacific | | 137 | 29 | 52.7000 | 36.300 | |
| 13 | Barbados | Americas | | 28 | 4 | 71.3000 | 72.600 | |

Screenshot of Dashboard with Filters: -

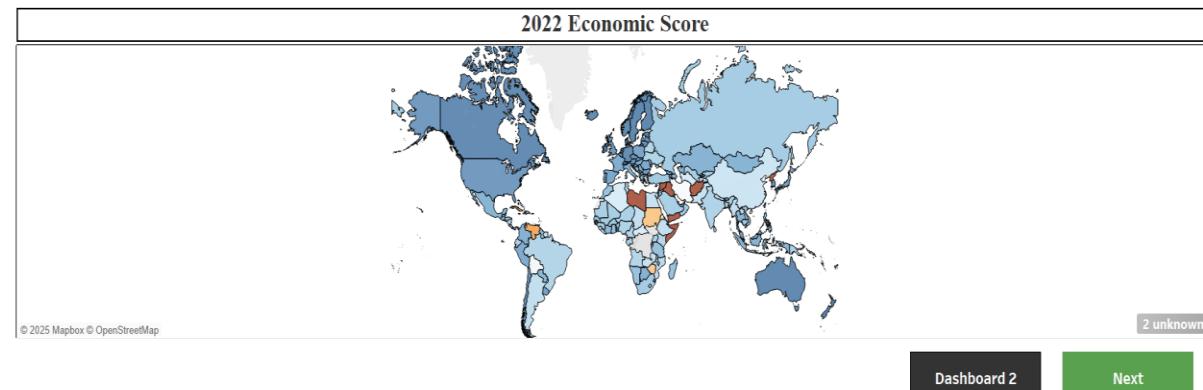
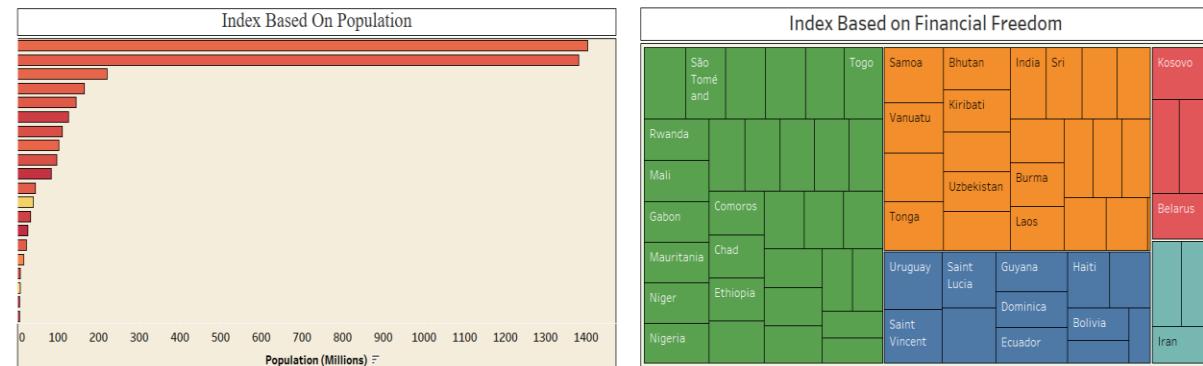
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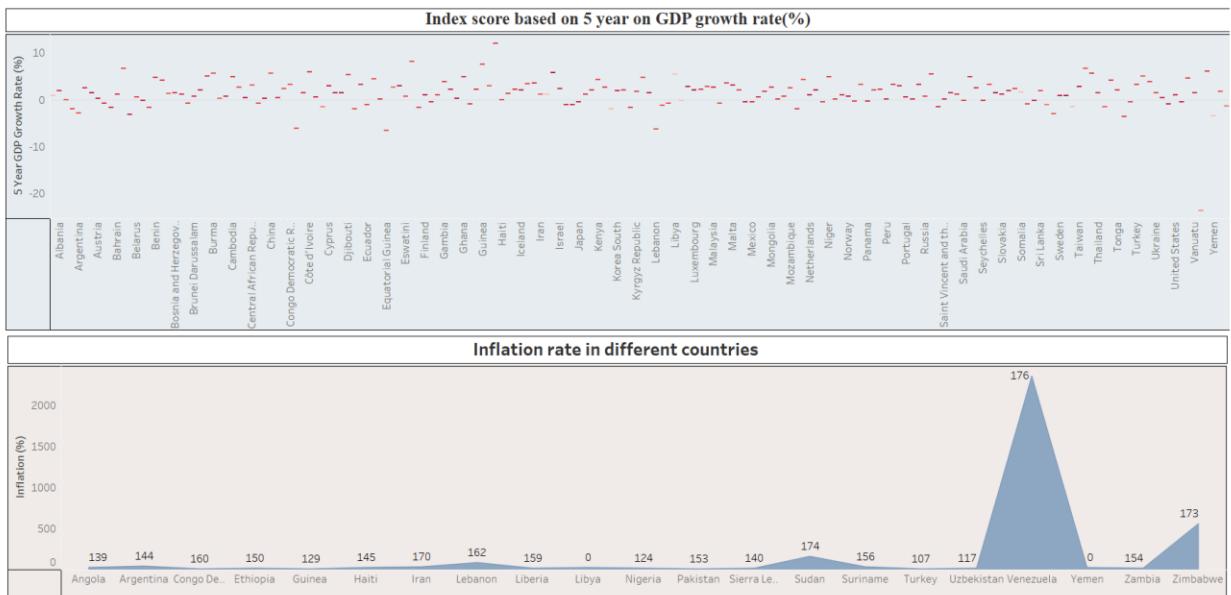
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Dashboard 3

Next