**User Acceptance Test**

|  |  |
| --- | --- |
| **Date** | 19-06-2025 |
| **Team ID** | LTVIP2025TMID48265 |
| **Project Name** | Measuring the Pulse of Prosperity: An Index of Economic Freedom Analysis |
| **Maximum Marks** |  |

## 1. Project Overview

|  |  |
| --- | --- |
| **Parameter** | **Description** |
| Project Name | Index of Economic Freedom Analysis with Tableau |
| Project Description | An interactive Tableau dashboard analyzing and comparing global economic freedom scores across 12 indicators, grouped by four policy pillars. |
| Project Version | v1.0 |
| Testing Period | 20 February 2025 – 22 February 2025 |

## 2. Testing Scope

**Functionalities to be Tested:**

• Country-wise and pillar-wise visualization of economic freedom  
• Time-based filtering and regional comparisons  
• Aggregated score computation for pillar and composite index  
• Drill-down analysis on indicator level  
• Export of dashboard in multiple formats  
• Role-based view control for Analyst, Researcher, and Admin

**User Stories to be Verified:**

• USN-01: As an analyst, I can filter economic freedom data by year and pillar.  
• USN-02: As a researcher, I can compare regional and income group trends.  
• USN-03: As an admin, I can export full reports and access all dashboards.  
• USN-04: As a user, I can drill down into indicator-level scores.

## 3. Testing Environment

|  |  |
| --- | --- |
| **Parameter** | **Value** |
| Platform URL | https://public.tableau.com/ |
| Deployment Mode | Tableau Public / Tableau Desktop / Tableau Server |
| Access Credentials | Role-based login or local developer access |

## 4. Test Cases Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test Case ID** | **Test Scenario** | **Test Steps** | **Expected Result** | **Actual Result / Pass-Fail** |
| TC-001 | Filter by Year | 1. Open dashboard 2. Select year from dropdown | Charts update based on selected year | Works as expected – Pass |
| TC-002 | Region Comparison | 1. Choose region filter 2. View pillar scores | Only selected region’s metrics are displayed | Functional – Pass |
| TC-003 | Drill-down on Pillars | 1. Click on pillar bar 2. Expand to indicators | Indicator-wise data appears | Responsive drill-down – Pass |
| TC-004 | Export Report as PDF | 1. Click Export 2. Choose PDF 3. Save | Report downloaded successfully | PDF generated – Pass |
| TC-005 | Role-based Access Control | 1. Login as analyst 2. Attempt to edit chart | Edit restricted | Access correctly limited – Pass |

## 5. Bug Tracking Table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bug ID** | **Bug Description** | **Steps to Reproduce** | **Severity** | **Status / Feedback** |
| BG-001 | Export fails with multiple filters | 1. Apply >2 filters 2. Export PDF | Medium | Resolved – Used fixed layout |
| BG-002 | Missing legend in mobile layout | Switch to mobile view | Low | Closed – Layout adjusted |
| BG-003 | Drill-down lags on large datasets | Use year+region+pillar filters | Medium | Fixed – Optimized queries |

## 6. Feedback & Observations

• Filtering and time-based controls are intuitive.  
• Pillar and indicator-level breakdowns enhance interpretability.  
• Drill-down and interaction work smoothly with large datasets.  
• Export functionality is reliable and efficient.  
• Access control mechanisms properly restrict editing by user role.

## 7. Sign-off

|  |  |  |  |
| --- | --- | --- | --- |
| **Role** | **Name** | **Date** | **Signature** |
| Tester | [Your Name] | 22 February 2025 | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Project Manager | [Mentor Name] | 22 February 2025 | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| Product Owner | [Evaluator Name] | 22 February 2025 | \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

## Notes & Best Practices

• Verified all functionalities under defined user stories.  
• Bugs logged with resolution steps and severity levels.  
• Screenshots attached for test validation.  
• Testing conducted across Analyst, Researcher, Admin roles.  
• Dashboard met performance and usability expectations.