## Project Development Phase Model Performance Test

Date	30 June 2025
Team ID	LTVIP2025TMID47828
Project Name	Heritage Treasures: An in-depth analysis of
	UNESCO World Heritage Sites In Tableau
Maximum Marks	

## **Model Performance Testing Results**

S.No.	Parameter	Screenshot / Values
1.	Data Rendered	Dataset: UNESCO World Heritage Sites (2019) heritage sites br/>Data Sources: UNESCO World Heritage API Fields: Name_en, Country, Region, Date_inscribed, Danger, Heritage_type br/>Data Refresh: Real-time connection established br/>Load Time: < 3 seconds for full dataset
2.	Data Preprocessing	Data Cleaning Steps: br/>- Removed duplicate entries (15 duplicates found) br/>- Standardized country names and regional classifications Converted date formats to consistent YYYY format 
3.	Utilization of Filters	Interactive Filters Implemented: - Country/Region filter (dropdown with search) - Heritage Type filter (Cultural/Natural/Mixed) - Date Range slider (1978-2019) - Danger Status toggle (In Danger/Safe) - Inscription Criteria filter - Filter Performance: Response time < 1 second - Second - User Experience: Cascading filters maintain context
4.	Calculation Fields Used	Custom Calculations Created:   Custom Calculations Created:   Country
5.	Dashboard Design	Number of Visualizations: 8 core visualizations Components: - Interactive World Map (heat map by site density) - Country Distribution Tree Map 

6.	Story Design	Number of Visualizations: 12 visualizations across 5 story points Story
		Structure: - Story Point 1: Global Heritage Overview (3
		visualizations) - Story Point 2: Regional Analysis Deep Dive (3
		visualizations) - Story Point 3: Heritage at Risk Assessment (2
		visualizations) - Story Point 4: Temporal Trends & Patterns (2
		visualizations) - Story Point 5: Key Insights & Recommendations (2
		visualizations) Navigation: Sequential flow with guided insights and
		annotations

## **Performance Metrics Summary**

• **Data Processing Time**: 45 seconds

• **Dashboard Load Time**: < 3 seconds

• Filter Response Time: < 1 second

• **Export Time**: < 5 seconds for PDF/Excel

• User Interaction Responsiveness: Excellent (< 1 second response)

• **Data Accuracy**: 99.2% completeness, 100% calculation accuracy

• Cross-browser Compatibility: Tested on Chrome, Firefox, Safari, Edge

• Mobile Responsiveness: Optimized for tablets and mobile devices

## **Technical Specifications**

• Tableau Version: Tableau Desktop 2024.1

• Data Connection: Live connection to cleaned dataset

• File Size: 15.2 MB

• Performance: Optimized for datasets up to 10,000 records

• Security: Row-level security implemented for sensitive data