**Smart Bridge Data Analytics Program on Tableau  
Proposed Solution Report  
Name: Yusuf Pipalrawanwala  
College: Avantika University**

**1. Introduction**

The Proposed Solution report outlines the design approach, tools, and key components of the UNESCO Heritage Sites dashboard to ensure it meets both functional and user experience requirements.

**2. Solution Components**

**2.1 Data Layer**

* **Data Source**: UNESCO Heritage Sites CSV dataset
* **Cleaning Tools**: Excel, Python (Pandas)
* **Data Enhancements**: Added calculated fields (e.g., endangered site counts, regional aggregations)

**2.2 Visualization Layer**

* **Interactive Filters**: Region, Country, Category, Year, Endangered Status
* **Chart Types**:
  + Geospatial maps for site locations
  + Bar/Column charts for country-wise comparisons
  + Line charts for trend analysis
  + Pie/Donut charts for category distribution
* **Story Mode**: Tableau’s Story Points for guided insights

**2.3 Delivery Layer**

* **Platform**: Tableau Public
* **Accessibility**: Mobile and desktop view optimization

**3. Key Features of the Proposed Solution**

* Multi-dimensional data filtering
* Integrated geospatial visualization
* Time-series trend tracking
* Export capability for offline analysis
* Narratives and guided tours for presentations

**4. Sample Dashboard Layout**

|  |  |
| --- | --- |
| **Section** | **Content** |
| Top Header | Project Title + Filters |
| Left Panel | KPI summary cards |
| Main Panel | Interactive charts and maps |
| Bottom Panel | Timeline or trend graph |