

Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites

Project Documentation

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1. Introduction

"Heritage Treasures: An In-Depth Analysis of UNESCO World Heritage Sites (2019)" is a data visualization project that explores global heritage data using Tableau. With a rich dataset from UNESCO, the project aims to visually analyze the geographical distribution, risks, and growth patterns of World Heritage Sites to support heritage conservation efforts.

2. Objective

The goal is to leverage Tableau for exploring the UNESCO World Heritage Sites dataset, enabling stakeholders to:

- Understand global distribution of heritage sites.
- Identify endangered heritage locations.
- Observe regional inscription trends over time.
- Support data-driven decisions in cultural preservation.

3. Tools & Technologies Used

- Tableau: Data visualization

- Microsoft Excel / CSV: Dataset preparation
- UNESCO Dataset (2019): Official heritage site data

4. Project Overview

This project utilizes the 2019 UNESCO World Heritage Sites dataset, which includes information on countries, site names, endangered status, regions, and inscription dates. Through Tableau dashboards and charts, the project uncovers insights hidden in the dataset and transforms them into interactive visuals for easier interpretation.

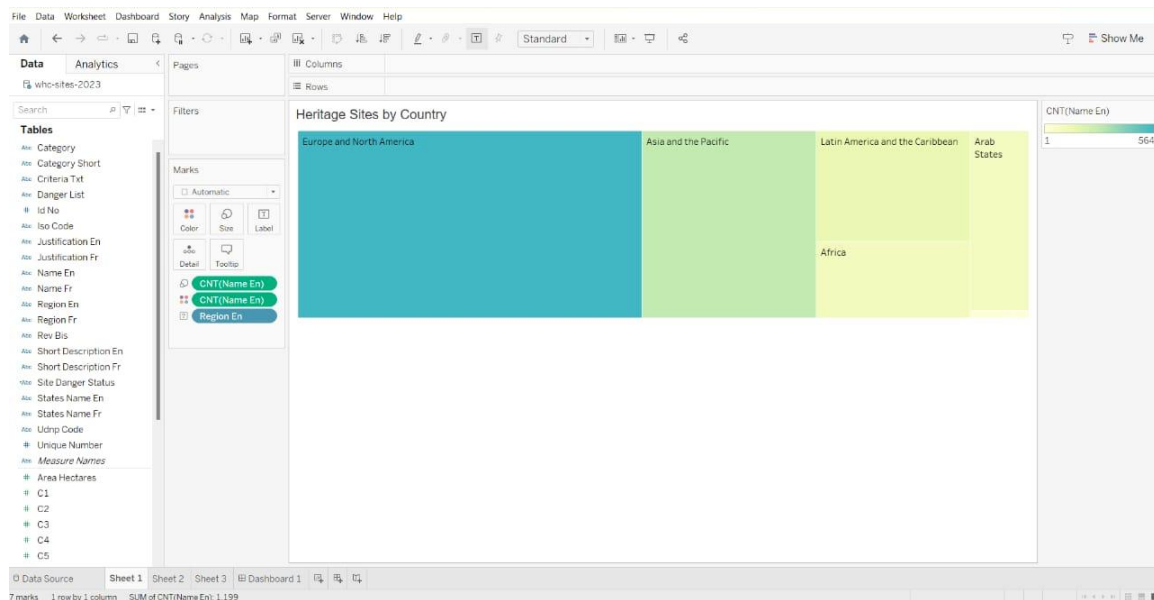
5. Scenarios & Visualizations

Scenario 1: Heritage Sites by Country

This visual represents each country as a proportional block according to its number of heritage sites. It provides a quick overview of site distribution and highlights nations with rich heritage presence.

Data Columns Used: Country, Name_en

Visualization Type: Tree Map or Packed Bubbles

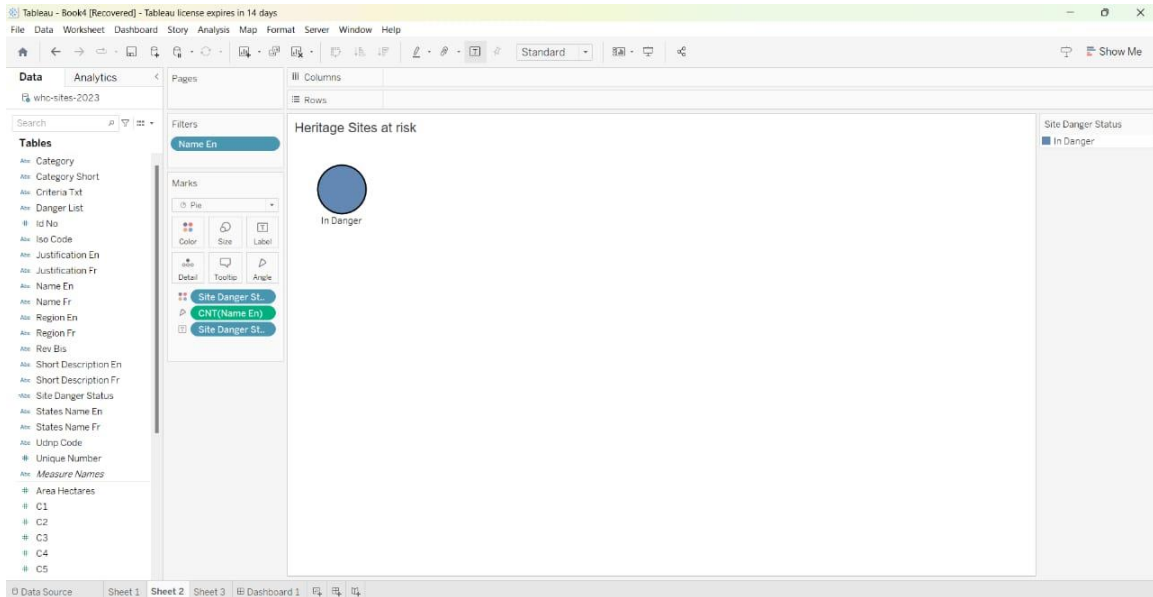


Scenario 2: Heritage Sites at Risk

A pie chart segmentation of sites marked "In Danger" vs. "Not in Danger", offering a clear view of threats to global heritage. This helps prioritize preservation efforts.

Data Columns Used: Danger, Name_en

Visualization Type: Pie Chart

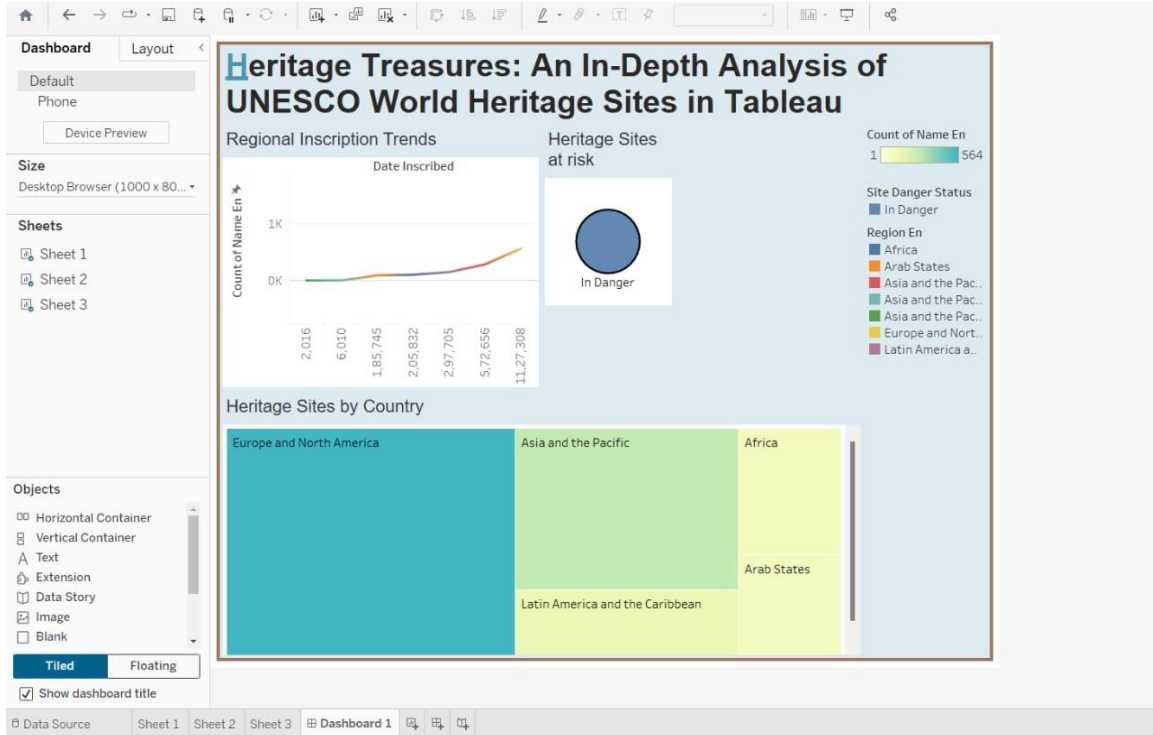


Scenario 3: Regional Inscription Trends

This line chart shows the number of new inscriptions over time, segmented by region. It helps identify active regions in heritage conservation and historical growth patterns. Data

Columns Used: Date_inscribed, Region

Visualization Type: Line Chart



Data Columns Used: Date_inscribed, Region

Visualization Type: Line Chart

6. Insights & Observations

- Countries like Italy, China, and Germany lead in heritage site count.
- A noticeable number of heritage sites face danger, indicating an urgent need for focused conservation.
- Certain regions saw major increases in site inscriptions in specific decades, reflecting global cultural awareness trends.

7. Conclusion & Future Scope

This project demonstrates how interactive dashboards can uncover meaningful stories from cultural datasets. The visualizations promote awareness and aid in prioritizing heritage preservation. In the future, this project could be expanded with:

- Integration of geospatial maps.
- Year-on-year comparison with updated datasets.
- Correlation of site conditions with global environmental or political factors.

8. References

- UNESCO World Heritage Centre (<https://whc.unesco.org/>)
- Tableau Official Documentation (<https://www.tableau.com/learn>)