**README: World Universities Rankings Analysis**

**Project Overview**

This project provides an in-depth analysis of the factors influencing the rankings of world universities from 2016 to 2024. Utilizing data from Kaggle and visualizing it with Tableau, this project aims to understand how different variables such as student population, international student distribution, teaching quality, and research environment contribute to university rankings.

**Project Structure**

* **Project Summary:**
  + Outlines the significance of understanding university rankings for decision-making, benchmarking, reputation enhancement, resource allocation, and policy development.
* **Working with Tableau:**
  + Discusses the use of Tableau for connecting to diverse data sources, creating interactive visualizations, and developing dashboards.
* **Data Connection:**
  + Details on how the data, spanning from 2016 to 2024, was sourced from Kaggle for analysis.
* **Data Selection:**
  + Focuses on selecting relevant data for analyzing and ranking top universities.
* **Analysis Questions:**
  + Key questions driving the analysis:
    1. Which university has the highest student population?
    2. Which countries have the most international student population?
    3. How are overall university scores influenced by teaching, research, etc.?
    4. How has student population growth changed over the years?
    5. What are the specific statistics for Canadian universities?
* **Types of Graphs:**
  + Descriptions of various charts used for analysis, including:
    1. **Bar Chart:** Top 10 countries by international student population.
    2. **Line Chart:** Rank changes of top 10 universities over time.
    3. **Treemap:** Overall scores of top ten universities.
    4. **Linear Trend Line:** Relationship between research quality and overall scores.
    5. **Forecasting:** Predicted student population for 2025.
    6. **Ranking Chart:** Top Canadian universities.
    7. **Horizontal & Vertical Bar Charts:** Comparisons of student populations and performance metrics among universities.
    8. **Map Chart:** Distribution of international student populations across countries.
* **Calculations:**
  + Details on the specific Tableau calculations used in the analysis, such as rankings and population statistics.
* **Population Statistics Analysis:**
  + Insights into global and country-specific student populations and university rankings.
* **Top 10 Universities and Canadian Statistics:**
  + Rankings and key statistics of the top universities globally and in Canada.
* **Overall Score Analysis:**
  + Evaluation of how factors like teaching quality, research environment, and research quality affect overall university rankings.

**Conclusion**

The project effectively answers the proposed analysis questions, providing a comprehensive view of the factors influencing university rankings worldwide, with a special focus on Canadian universities.

**References**

* Data Source: [Kaggle - World University Rankings (2016-2024)](https://www.kaggle.com/datasets/raymondtoo/the-world-university-rankings-2016-2024)

This README serves as an introduction to the project, outlining its objectives, structure, and key findings. For a more detailed analysis, please refer to the Tableau visualizations and the full project report.