Paris 2024 Olympics Data Analytics Power BI Dashboard

The primary objective of this capstone project is to analyse the Paris 2024 Olympics dataset to derive meaningful insights and trends. By addressing key problem statements, the project aims to provide a comprehensive understanding of athlete participation, gender dynamics, country performances, and the overall impact of the Paris 2024 Olympic Games.

The analysis will focus on uncovering patterns related to medal distributions, emerging sports, and the global representation of nations in this edition of the Olympics, while also highlighting how the Paris 2024 Olympics contribute to the legacy of the Olympic Games.

Objective:

1. **Analyse Athlete Participation**

   o Examine the number of athletes participating from various countries.

   o Identify trends in athlete participation by gender and sport.

2. **Study Gender Dynamics**

   o Explore gender representation across different sports and events.

   o Highlight disparities and trends in male vs. female participation.

3. **Country Performances and Medal Distributions**

   o Analyse medal distribution patterns across countries.

   o Identify top-performing countries and emerging nations in medal counts.

4. **Examine Emerging Sports and Trends**

   o Identify new or trending sports introduced in the Paris 2024 Olympics.

   o Explore the popularity and participation in these emerging sports.

5. **Global Representation and Diversity**

   o Assess the participation of nations from different continents.

   o Track changes in global representation compared to previous Olympic Games.

6. **Legacy and Impact Analysis**

   o Analyse how the Paris 2024 Olympics contribute to the overall legacy of the Games.

   o Provide insights into how the results could influence future editions of the Olympics.

This project will leverage data analytics techniques, including data aggregation, data visualization, and statistical analysis, to extract meaningful insights from the Paris 2024 Olympic Games dataset. The analysis will focus on key aspects such as athlete participation, gender dynamics, country performances, and medal distributions.