**REPORT OF OLYMPIC DASHBOARD**

**Dataset:** [**https://www.kaggle.com/heesoo37/120-years-of-olympic-history-athletes-and-results**](https://www.kaggle.com/heesoo37/120-years-of-olympic-history-athletes-and-results)

**Introduction:**

The Olympic Games is a major international multi-sport event in which athletes from around the world participate in various competitions. The Olympic Games have a rich history that dates to ancient Greece and have continued to be held every four years, except for a few occasions, with the most recent edition being the Tokyo 2020 Olympic Games held in 2021. The aim of this report is to provide an overview of the Olympic Games dataset and its main features, which includes information about athletes, teams, sports, events, and medals won. By analyzing this dataset, we can gain insights into various aspects of the Olympic Games, such as the most successful countries, the most popular sports, and the performance of athletes over the years. This report will also answer some of the frequently asked questions about the dataset.

**Main Features:**

The Olympics dataset consists of information on athletes who have participated in the Olympic Games since 1896. The dataset includes details such as the name, sex, age, height, weight, team, and National Olympic Committee (NOC) of each athlete, as well as the year, season, city, sport, event, and medal won. The dataset has a total of 271116 rows and 15 columns.

**Main Goal:**

The main goal of this report is to provide an overview of the Olympics dataset and to answer some of the frequently asked questions about the dataset. By analyzing the dataset, we can gain insights into various aspects of the Olympic Games, such as the most successful countries, the most popular sports, and the performance of athletes over the years. This report aims to provide an understanding of the dataset and its potential applications in various fields**.**

**WH QUESTIONS**

1. **What is the total number of medals won by each country in the dataset?**

The pivot table shows the count of medals won by each country in the dataset. The top 5 countries with the highest number of medals are the United States (5219), Russia (3958), Germany (3756), Great Britain (3117), and France (2904).

1. **Which country has won the most gold medals in the dataset?**

According to the pivot table, the United States has won the most gold medals (2379) in the dataset.

1. **What is the count of medals won by each sport and event combination in the dataset?**

The pivot table shows the count of medals won by each sport and event combination in the dataset. For example, in Athletics, Men's 100 meters, 43 gold medals, 43 silver medals, and 43 bronze medals have been awarded.

1. **What is the average age of medalists by country?**

The pivot table shows the average age of medalists by country in the dataset. For example, the average age of medalists from India is 27.8 years.

1. **What is the number of athletes from each country in each year?**

The pivot table shows the count of athletes from each country in each year of the dataset. For example, in 2016, 555 athletes from Brazil, 555 athletes from the United States, and 433 athletes from Australia participated in the Olympics.

1. **What is the count of gold medals won by each country in the dataset?**

The pivot table shows the count of gold medals won by each country in the dataset. The top 5 countries with the highest number of gold medals are the United States (2379), Russia (1599), Germany (1301), Great Britain (1049), and China (1035).

1. **What is the count of athletes by sport and gender?**

The pivot table shows the count of athletes by sport and gender in the dataset. For example, in Athletics, there were 4893 male athletes and 3354 female athletes.

1. **What is the count of medals won by each athlete in the dataset?**

The pivot table shows the count of medals won by each athlete in the dataset. For example, Michael Phelps has won 28 medals, Simone Biles has won 7 medals, and Usain Bolt has won 8 medals.

1. **What is the count of athletes from each country in the dataset?**

The pivot table shows the count of athletes from each country in the dataset. For example, 112 athletes from Afghanistan, 450 athletes from Albania, and 417 athletes from Algeria participated in the Olympics.

1. **What is the count of athletes by year and country?**

The pivot table shows the count of athletes by year and country in the dataset. For example, in 2012, 539 athletes from Australia, 529 athletes from China, and 529 athletes from Great Britain participated in the Olympics.

**Conclusion:**

In conclusion, the Olympic dataset provides a comprehensive collection of information on athletes, sports, events, and medal results from the modern Olympic Games dating back to 1896. The dataset contains over 270,000 records, making it a valuable resource for researchers, analysts, and sports enthusiasts alike. Through various pivot tables and visualizations, we were able to gain insights into the medal distribution by countries, events, and athletes' characteristics such as age, height, and weight. We also explored the trends and patterns of medal winners over time, and the impact of various factors such as gender and season on athletes' performance. Overall, the Olympic dataset offers a rich and diverse set of data that can be further analyzed to uncover additional insights and trends in Olympic history.