**Olympics Data Dashboard Documentation**

**Overview**

This document provides a detailed explanation of the two Olympic data dashboards, including key metrics, visualizations, and their interpretations.

**Dashboard 1: Olympics Medal and Athlete Analysis**

**Key Performance Indicators (KPIs)**

* **Total Medals:** 39,783
* **Gold Medals:** 2,57,744
* **Silver Medals:** 2,58,000
* **Bronze Medals:** 2,57,821
* **Total Athletes:** 1,35,571

**Visualizations and Insights**

1. **Count of Name by Age Bucket**
   * Shows distribution of athletes by age groups.
   * The majority of athletes belong to the "20-30" age category.
2. **Gold, Silver, and Bronze by Team**
   * Displays medal distribution across different teams.
   * The United States, France, and Great Britain are among the top teams in medal counts.
3. **Total Medals by Sex**
   * Pie chart representing the proportion of medals won by male and female athletes.
   * Males dominate with 71.71% of the total medals.
4. **Count of Name by Sport**
   * A bar chart representing the number of athletes per sport.
   * Athletics has the highest count, followed by Swimming and Cycling.
5. **Season-wise Medals Won**
   * A table showing medals won in Summer and Winter Olympics.
   * The majority of medals are won in the Summer Olympics.
6. **Top Athletes**
   * A table listing top athletes with their country and the total number of medals won.
   * Athletes like Edoardo Mangia Rotti (Italy) and Takashi Ono (Japan) have significant achievements.

**Dashboard 2: Olympics Event and Yearly Analysis**

**Filters Available**

* Year
* Sport
* Medal
* Country
* Age Bucket

**Visualizations and Insights**

1. **Count of City by Height**
   * A donut chart displaying the number of cities categorized by athlete height groups.
   * Four major height categories are identified.
2. **Count of City by Event**
   * A line chart showing the number of cities hosting various events.
   * Football has the highest count, followed by Ice Hockey and other sports.
3. **Count of Name by Year and Sex**
   * A line graph representing the participation trend of male and female athletes over the years.
   * A significant increase in female participation is observed post-1950.
4. **Count of Medal by Team (World Map)**
   * A geographical representation of countries based on the number of medals won.
   * Darker shades indicate countries with higher medal counts.

**Conclusion:**

These dashboards provide valuable insights into the Olympic Games, athlete demographics, medal distributions, and country-wise performances. They enable data-driven decision-making and historical analysis of the Olympics.

**Dashboard:**

