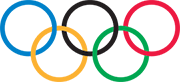
# **OLYMPICS 1986 – 2016**



**DATA SET:**

Our sample population consists of 271,116 records containing data relating to the Olympics from the years 1896 to 2016. The dataset includes Athlete Name, Sex, Age, Height, Weight, Team, NOC (National Olympic Committee designated 3-digit country code), Games, Year, Season (Winter, Summer), City (host city), Sport, Event, and Medal won.

**DATA EVALUTION:**

After performing a count of the data, we identified that out of the 271,116 events, 39,783 medals were awarded. We decided to use medals awarded as the basis for developing the plots included.

**DATA CLEAN UP:**

* In evaluating the number of medals awards, we sliced the data set to include only those records where a medal was won.
* We changed the NOC (National Olympic Committee) code name to “Country”.
* We dropped any NaN that were included in dataset.

**QUESTIONS THAT WERE ANSWERED:**

1. Which sports distributed the most gold medals?

The sporting event awarded the most medals was Athletics (Track & Field). The higher percentage of medals awarded are based on the fact that there are more Athletic events than any other event category.

2. What is the breakdown of Gender Participation in the Summer and Winter Olympics?

- use both line graphs showing summer and winter

3. Did any major world events interrupt Olympic games?

- use bar graph from 1910 -1950 showing the gap during both WW's

4. What is the Gender medal count based on age?

Is there an age where gold medals are more prevelant?

- use Strip Plot

5. Which country had the most gold medals in a particular sport?

- what sports are countries really good at?

- use gymnastics and swimming

6. Which country has the most overall gold medals?

7. Which athlete is the most decorated?

8. Which sporting event distributes more gold medals overall?