**How the Olympics have evolved over time**?

(including questions about the participation and performance of women, different nations, and different sports and events, etc)

***Context***

This is a historical dataset on the modern Olympic Games, including all the Games from Athens 1896 to Rio 2016. This data is scraped from www.sports-reference.com in May 2018.

**Content**:

The file athlete\_events.csv, each row corresponds to an individual athlete competing in an individual Olympic event (athlete-events). The columns are:

1. **ID - Unique number for each athlete**
2. **Name - Athlete's name**
3. **Sex - M or F**
4. Age - Integer
5. Height - In centimeters
6. Weight - In kilograms
7. **Team - Team name**
8. **NOC - National Olympic Committee 3-letter code**
9. **Games - Year and season**
10. *Year - Integer*
11. **Season - Summer or Winter**
12. **City - Host city**
13. **Sport - Sport**
14. **Event - Event**
15. **Medal - Gold, Silver, Bronze, or NA**

**Dataset about the Olympics Games from Athens 1896 to Rio 2016**

**EMPATHIZE**

* Who is the report for?
* What is the purpose of the report?
* The development of the Olympics during 120 years in several areas
* Development Overview – Performance metrics
* What is the desire of the viewer?
* Make a decision/ suggestion base on the different metrics between 1896 and 2016

**UNDERSTANDING THE DATASET**

* Attributes: ID, Name, Sex, Team, NOC, Games, Season, City, Sport, Event, Medal
* Metrics: Age, Height, Weight**, Total Medals**, **Number of gender in several areas**,…
* Time: Year

**DEEPDIVE**

Brandstorming Question List

1. Number of medals in 3 types ?
2. Number of gender over 120 years? And by several areas?
3. Top countries by medals?
4. Top players by medals count?
5. Average age of athletes.

**IDEATE**

Development Overview:

* How many years from 1896 to 2016?
* How many medals over time?
* How many men and women participate in the Olympics?
* How many regions/countries over time?
* Total number of sports ?

Top performance metrics

* Total medals by sport
* Top countries by medal
* Top sports
* Total medals by region
* Top atheles performance by gold medals
* Total medals by gender
* AVG age by year
* % male & female participants