

DATA VISUALIZATION OF TOKYO 2020 OLYMPIC GAMES



Created By:

Dody Harianto

Data Analyst at Tokyo 2020 Olympic Games

PROBLEM STATEMENTS



- ① 1. Do the countries that win many gold medals also have many total medals?
- ② 2. What are the top 10 countries in the Tokyo 2020 Olympic Games medal tally?
- ③ 3. How is the medals comparison of a specific country?
- ④ 4. Does median annual income of a country affect the country's total medals in the Olympics?
- ⑤ 5. Does country's population affect the country's total medals in the Olympics?

EXECUTIVE SUMMARY

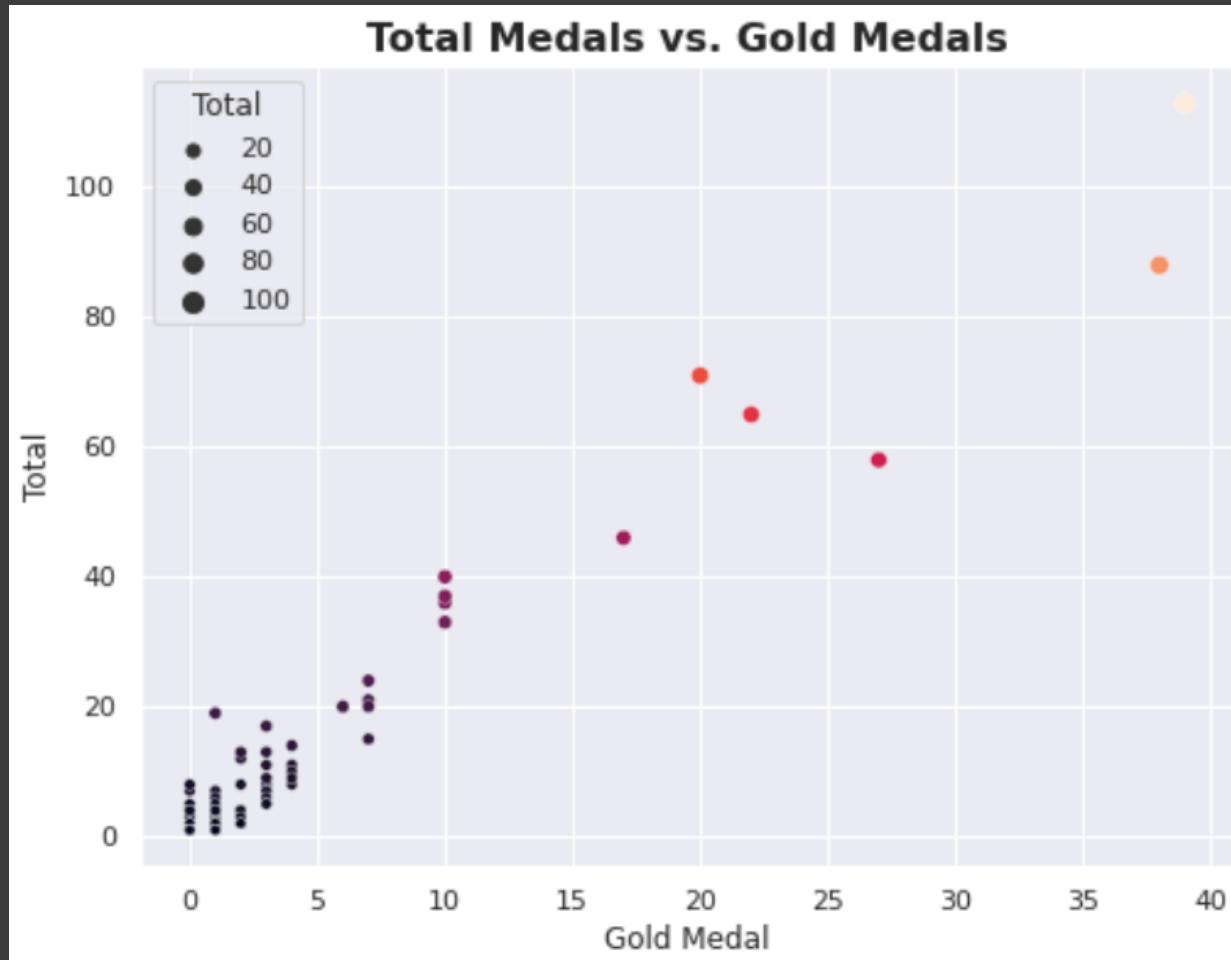


- Countries that have many medals in total also have more gold medal.
- USA, China, Japan, Great Britain and ROC are the top countries by golds and total medals.
- Japan and China have more gold medals rather than silvers and bronzes, meanwhile the eventual winner USA have quite balanced medal ratio.
- There is a positive relationship between total medals and both annual income & population.

1. Do the countries that win many **gold medals** also have many **total medals**?



Total Medals vs. Gold Medals



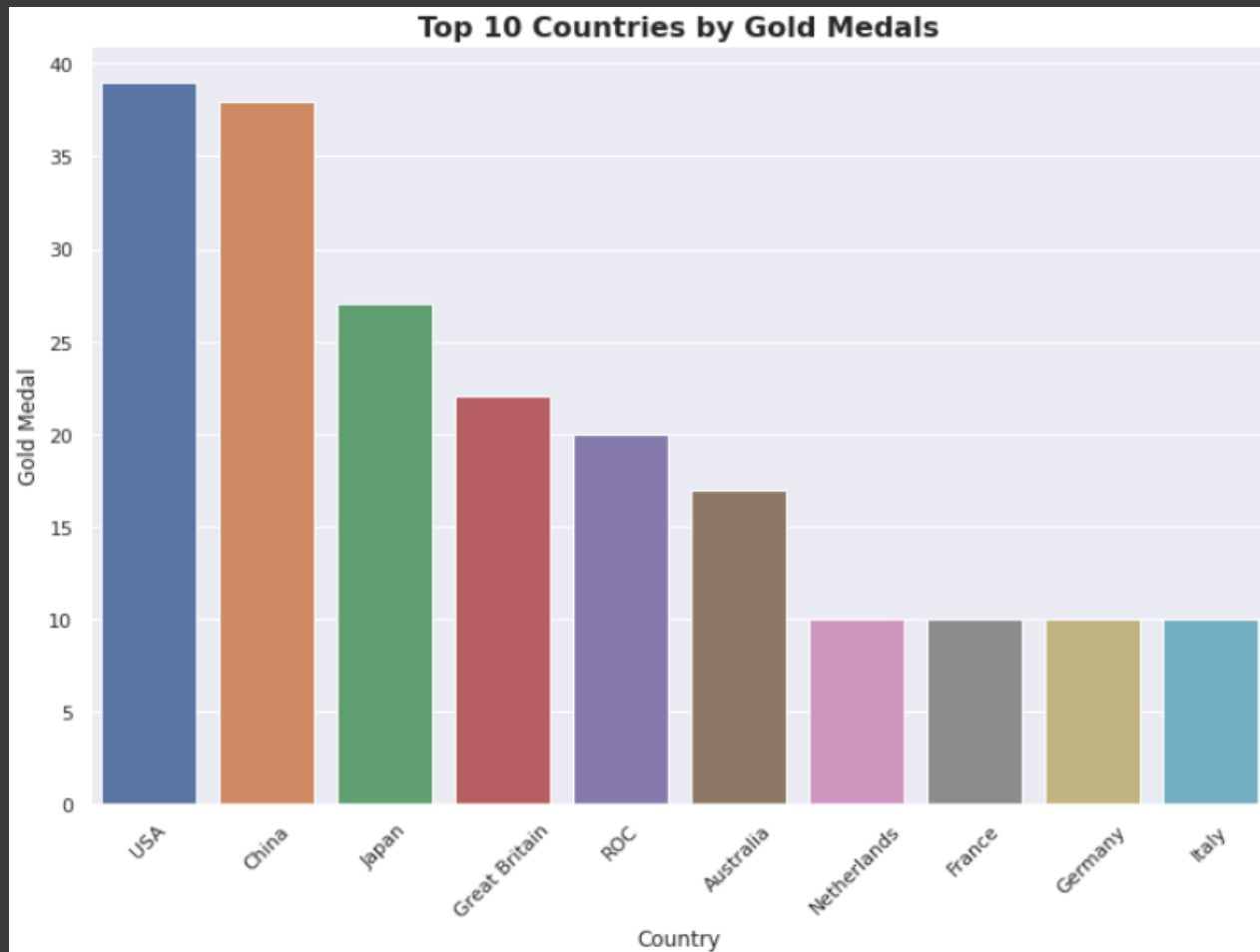
Do the countries that win many
gold medals also have many
total medals?

- ◎ Based on the visualization, we can see that the number gold medals also increases when total medals increases.

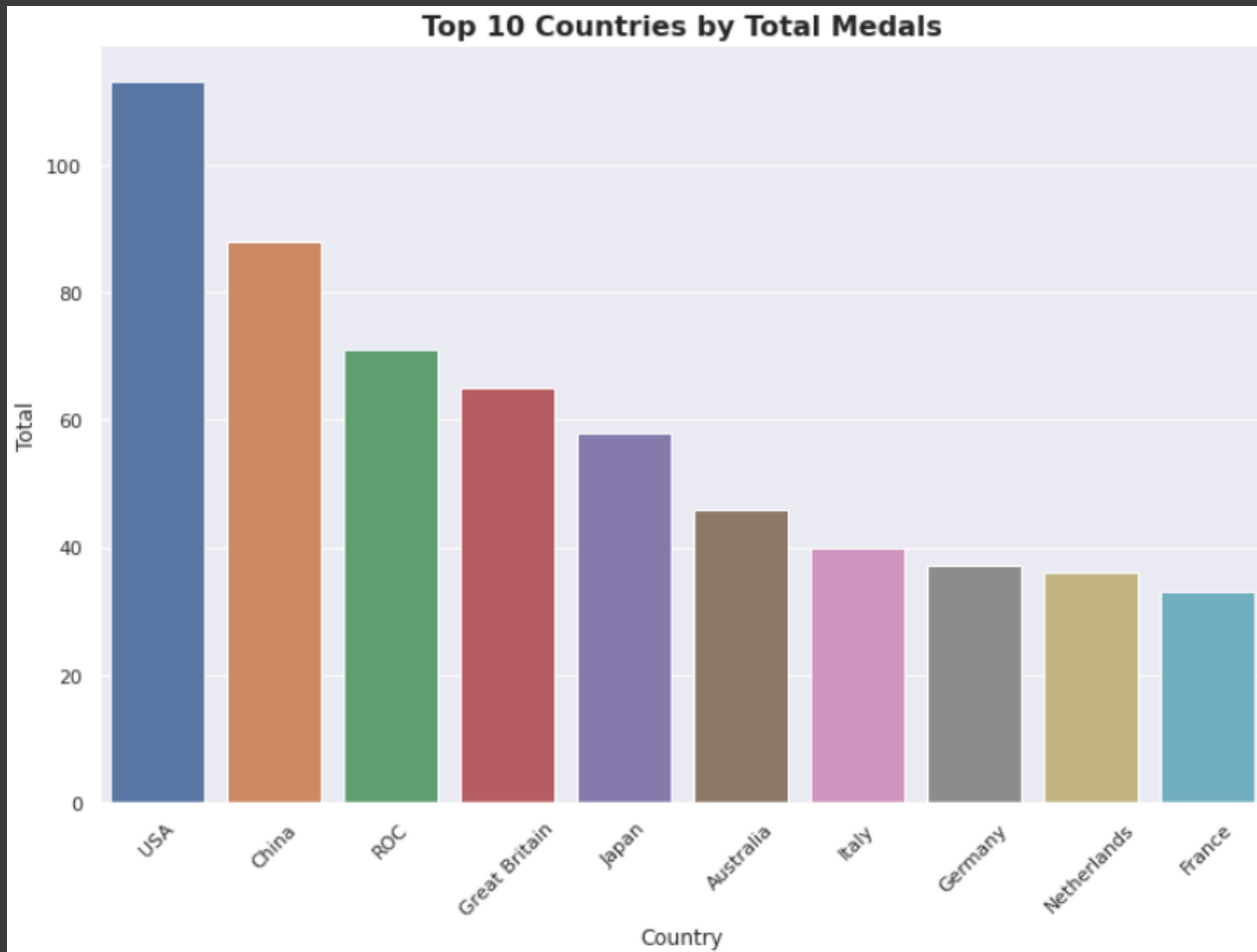
2. What are the **top 10** countries in the Tokyo 2020 Olympic Games Medal Tally?



Top 10 Countries by Gold Medals



Top 10 Countries by Total Medals



3. How is the **medals comparison** of a specific country?

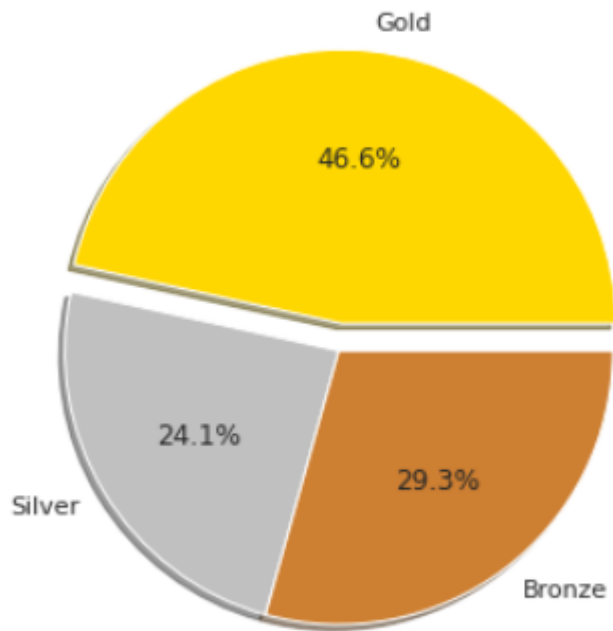




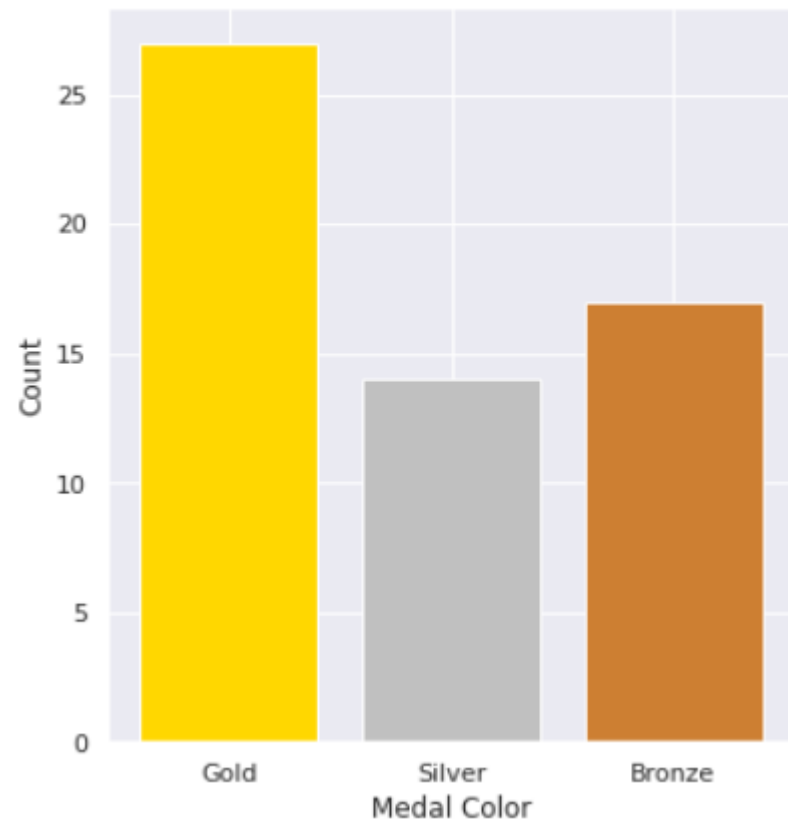
Japan

Medals of Japan

Pie Chart



Bar Chart

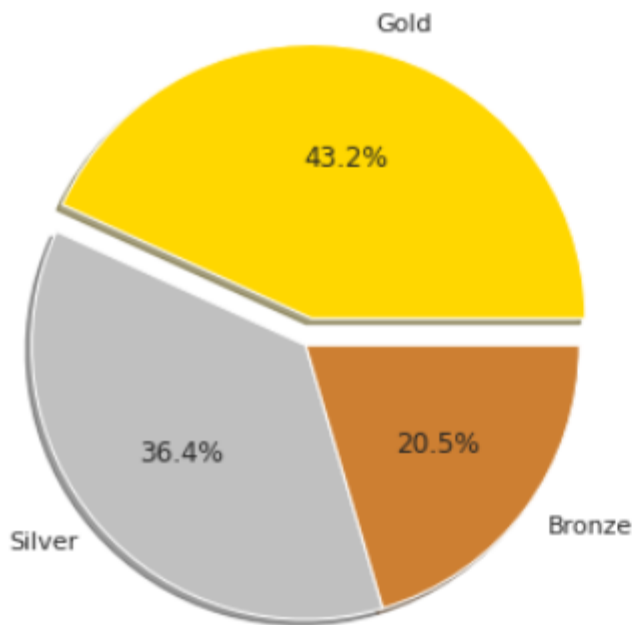




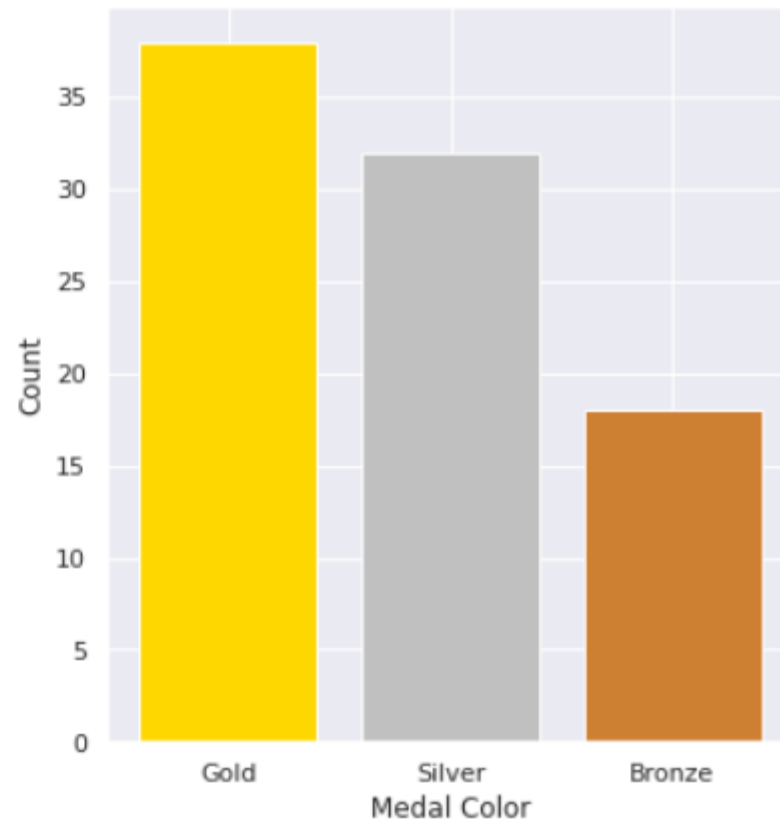
China

Medals of China

Pie Chart



Bar Chart

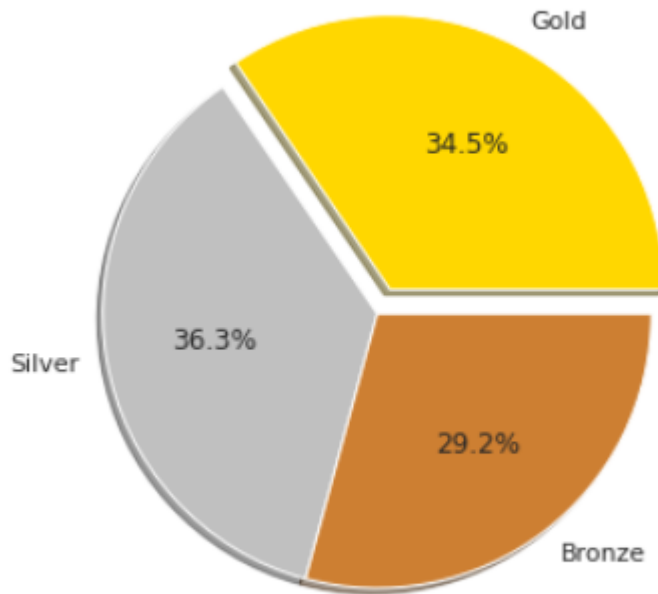




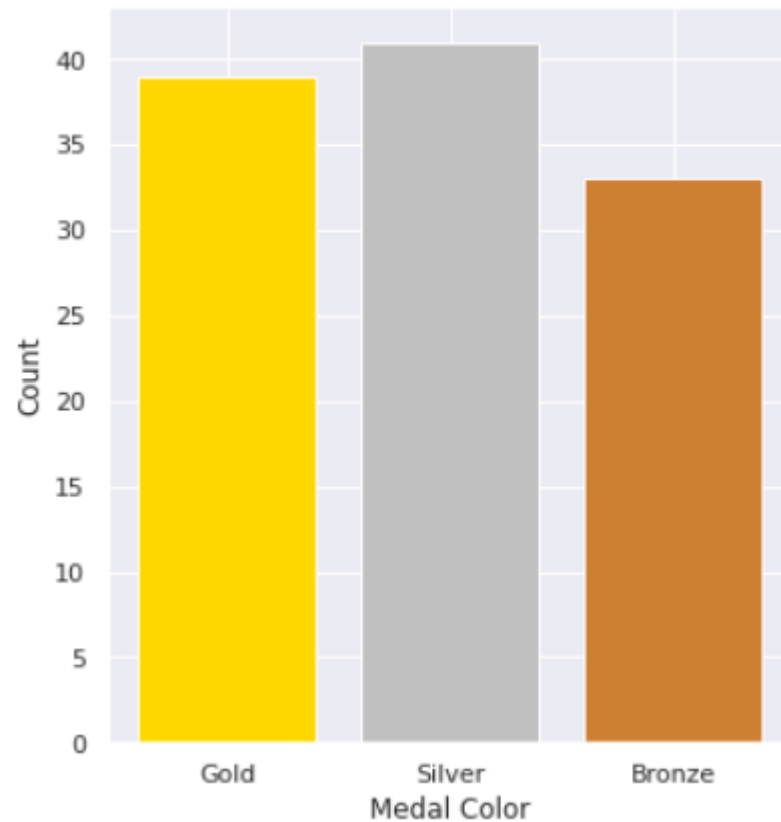
United States of America

Medals of USA

Pie Chart



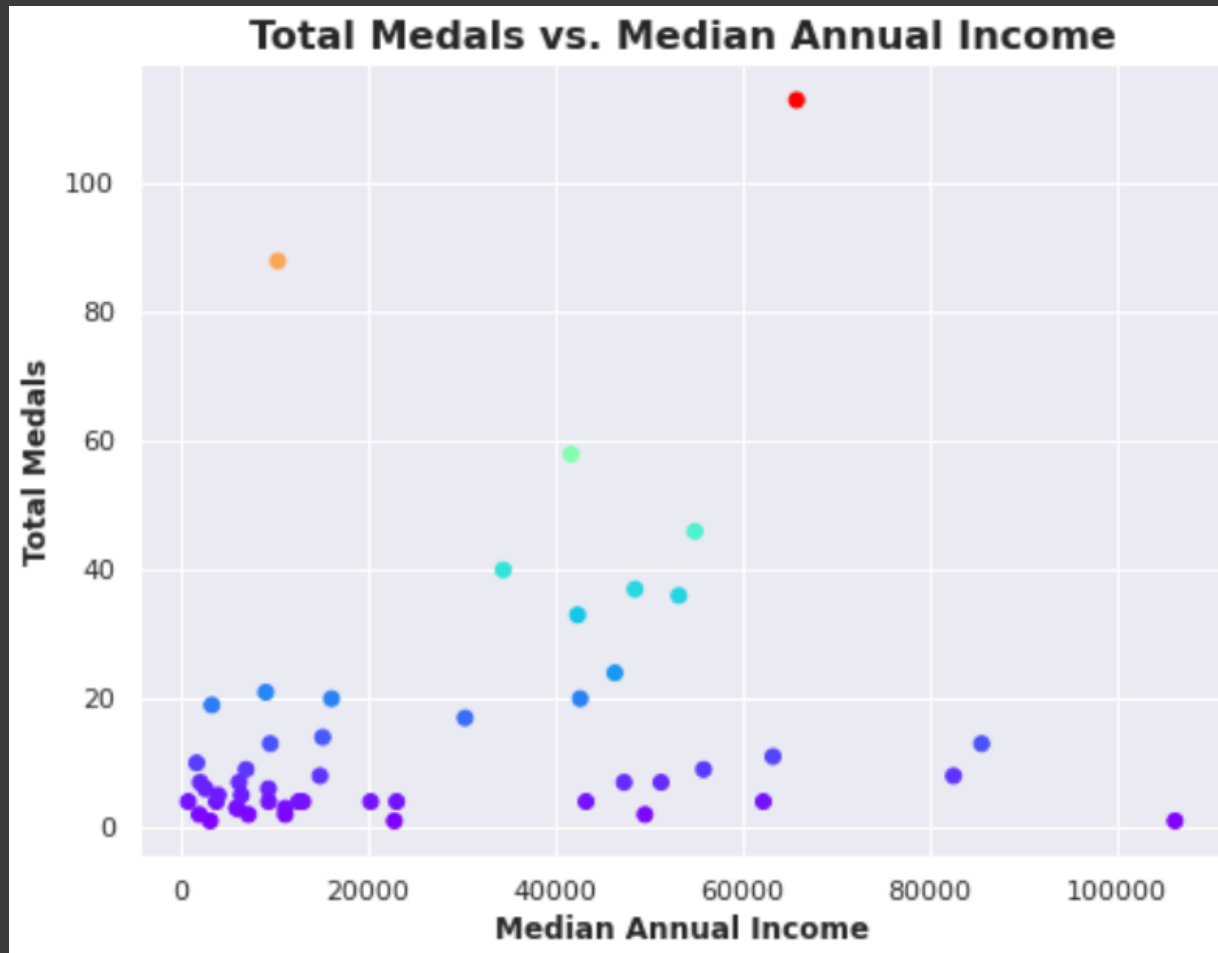
Bar Chart



4. Does **median annual income** of a country affects the country's **total medals** in the Olympics?



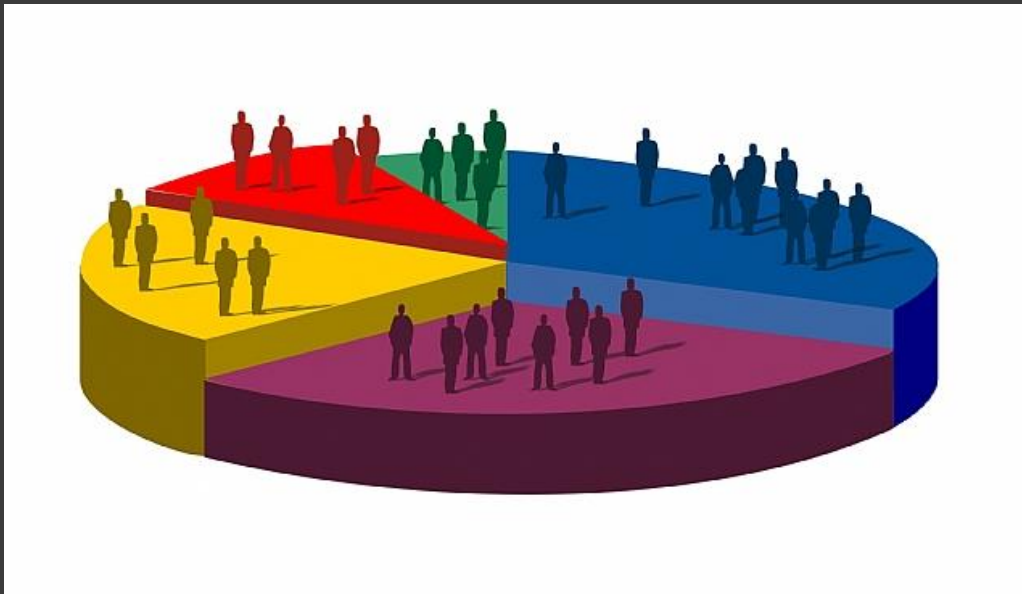
Total Medals vs. Annual Income



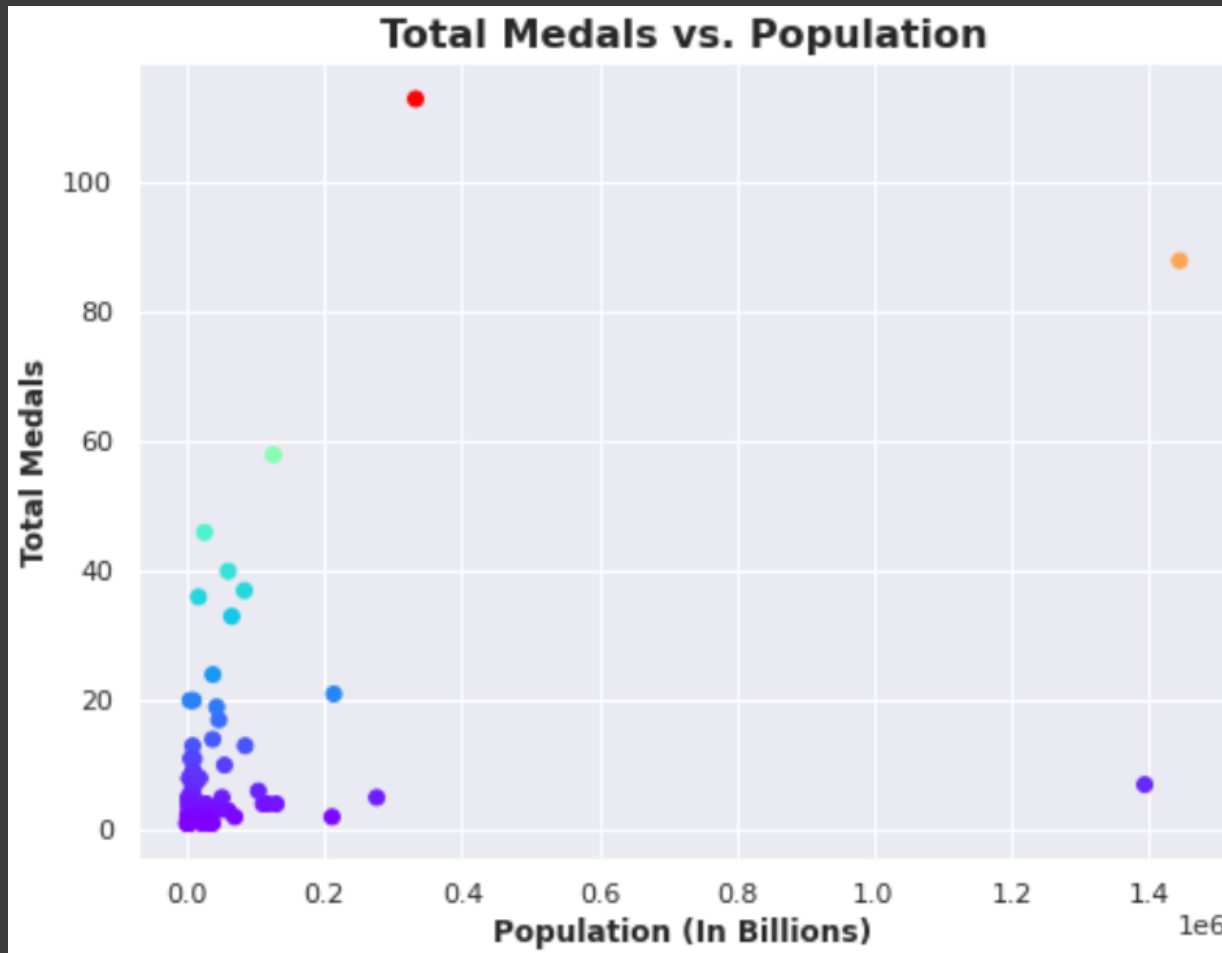
Does **median annual income** of a country affects the country's **total medals** in the Olympics?

- ◎ There is a positive relationship between median annual income and total medals, but it is not significant.

5. Does the country **population** affects the country's **total medals** in the Olympics?



Total Medals vs. Population



Does the country **population** affects the country's **total medals** in the Olympics?

- ◎ Although it is positively correlated, it is not really significant since some populated countries like **India** and **Indonesia** are not even in the top table, meanwhile countries like **Australia** and **The Netherlands** which are not really populated, get into the top 10.

THANK YOU 😊