TOKYO 2020

TOKYO OLYMPICS 2020 ANALYSIS

28 DECEMBER 2021 | BRYAN TAMIN

Problem Statement

What is the scoring factor for the rank and rank by total?
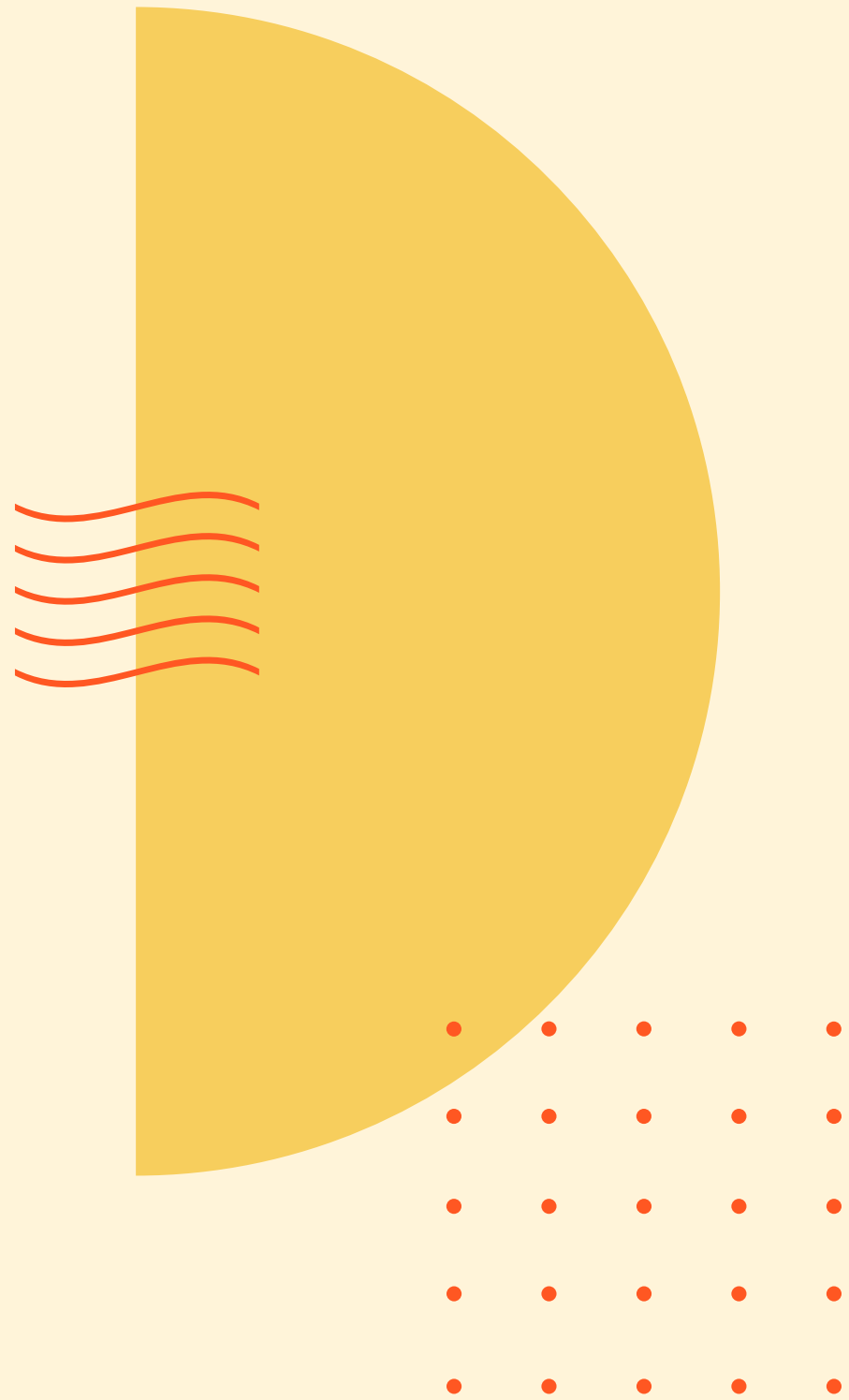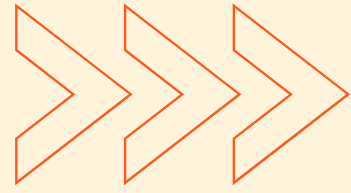
What is the correlation between income of a country and its rank in Tokyo Olympic 2020?
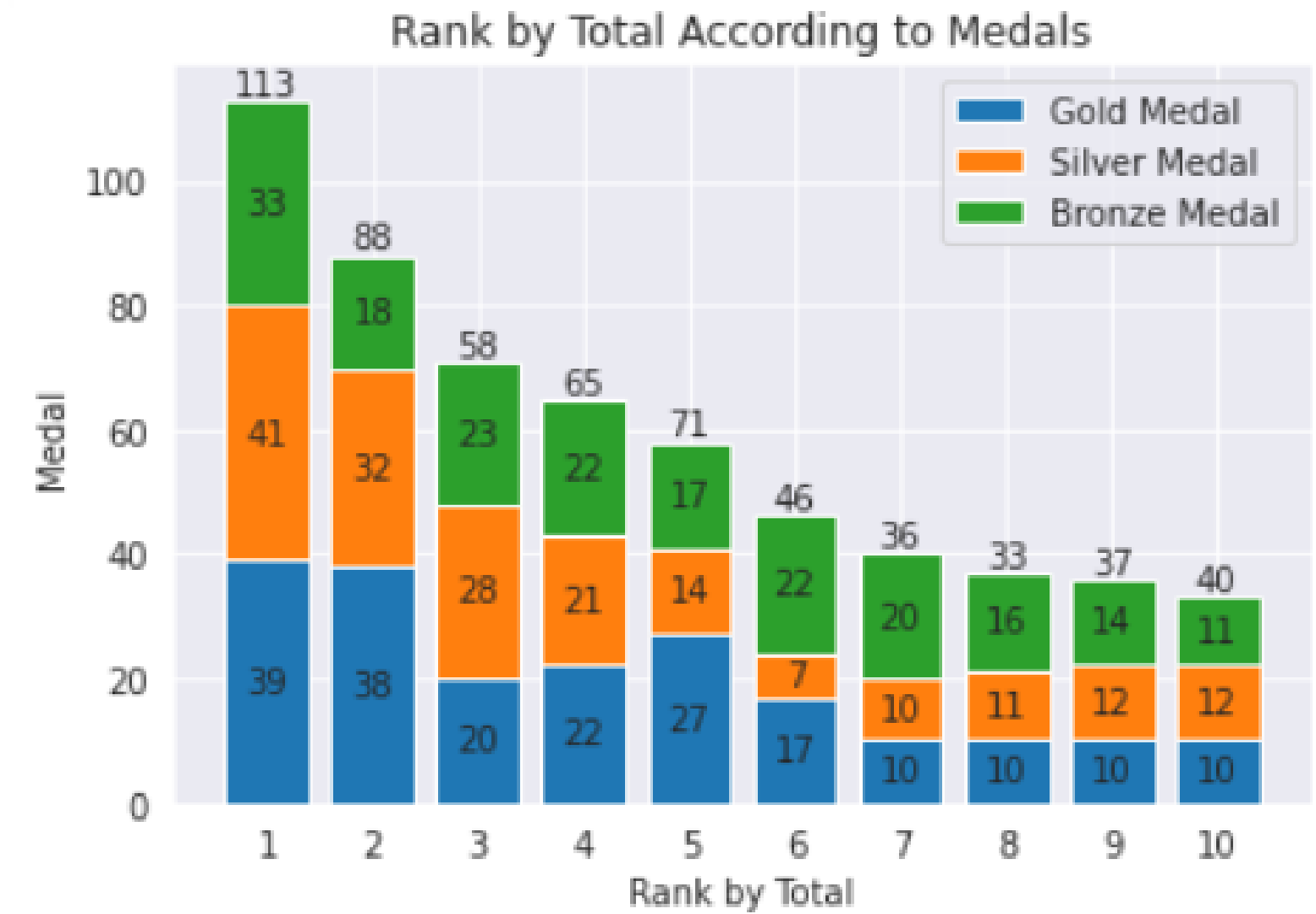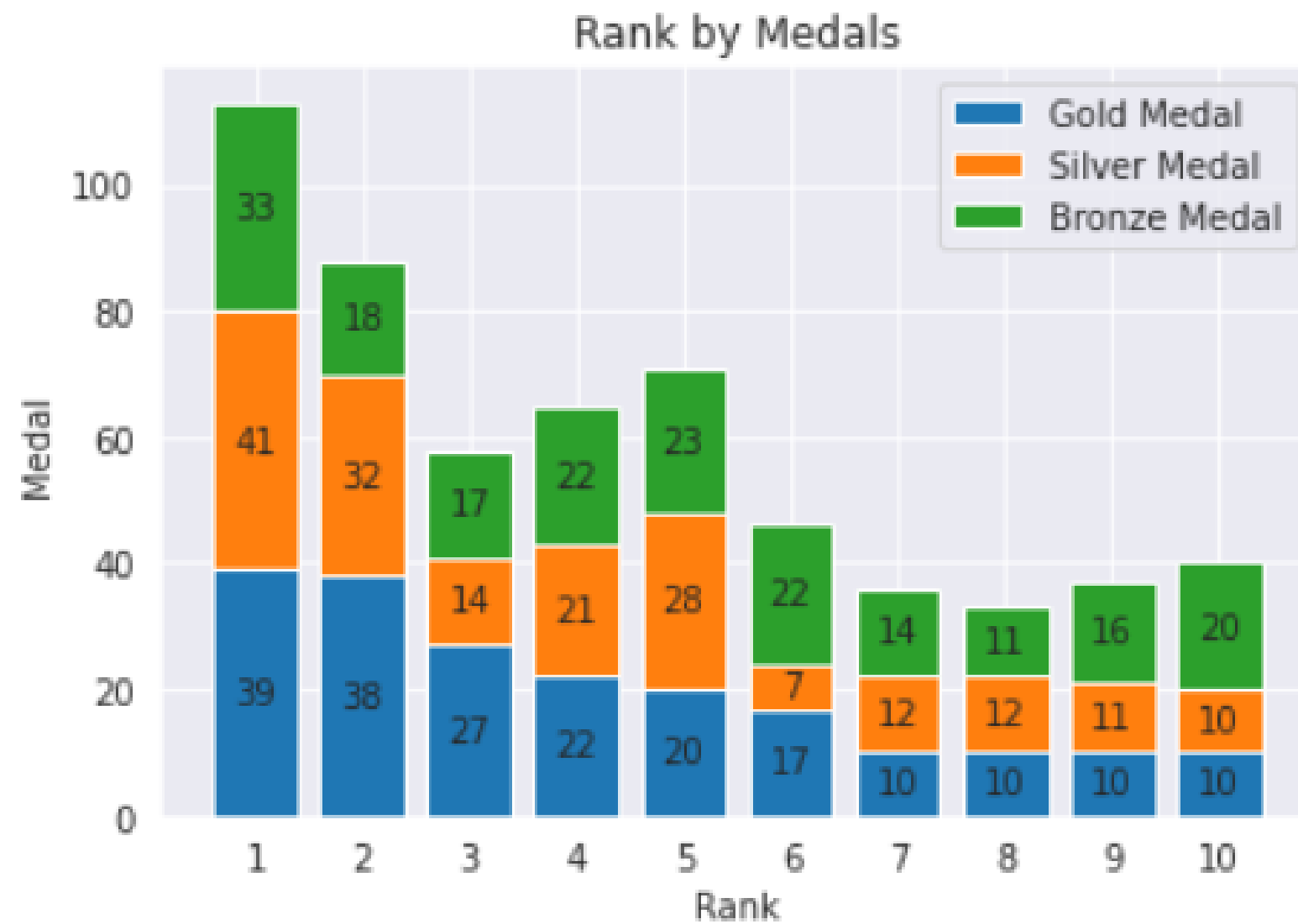
How the population of a country affects their rank in Tokyo Olympics 2020?
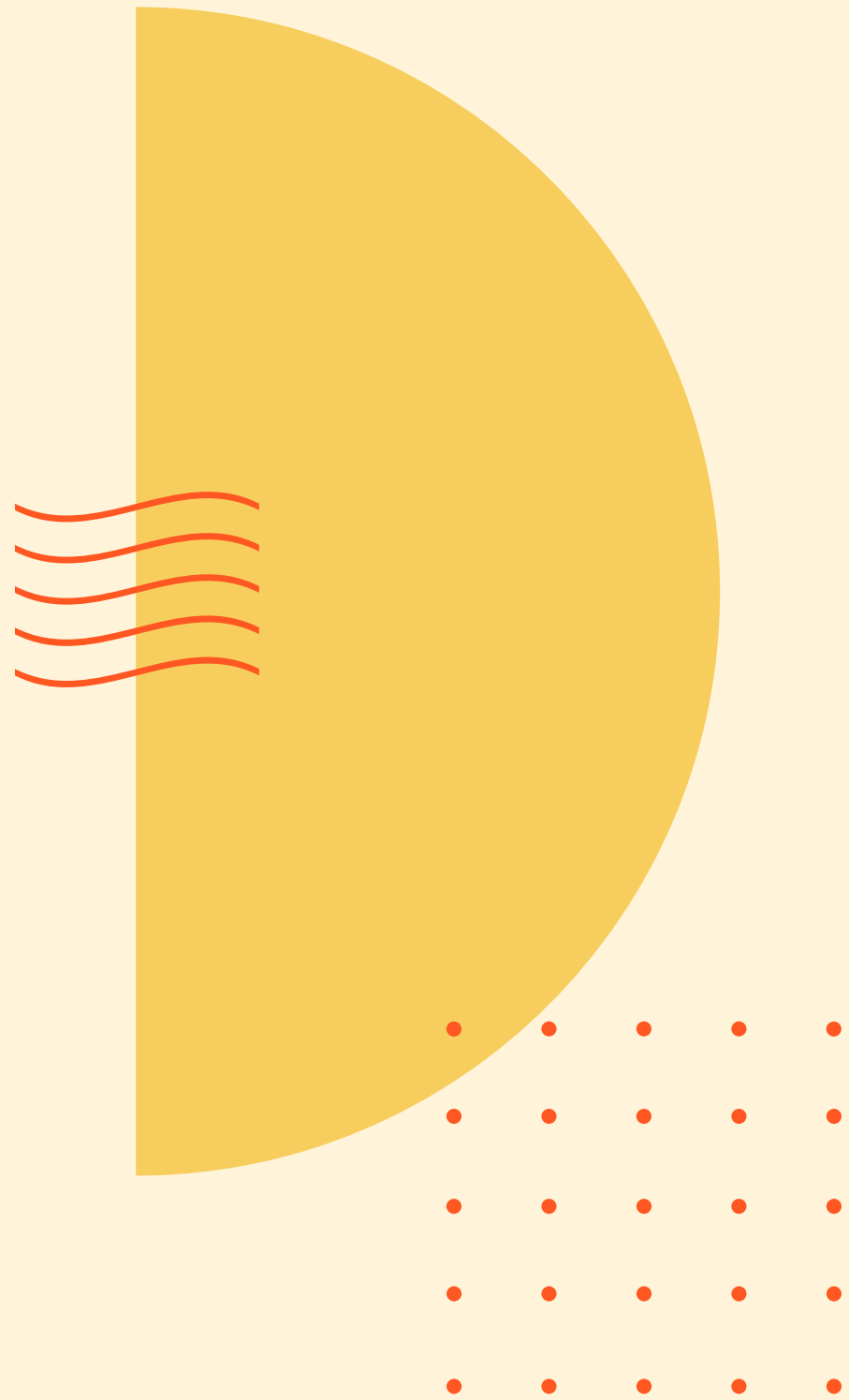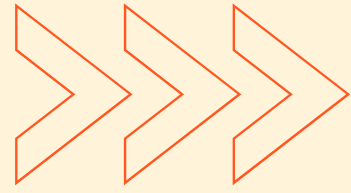
EXECUTIVE SUMMARY

- Rank is based on the highest gold medal first, then the highest silver medal, then the highest bronze medal counts

- Rank by total is based on the highest total medal

- Countries with high income tend to rank high in Tokyo Olympics 2020 (high impact)

- Countries with high population tend to rank high in Tokyo Olympics 2020 (slight impact)
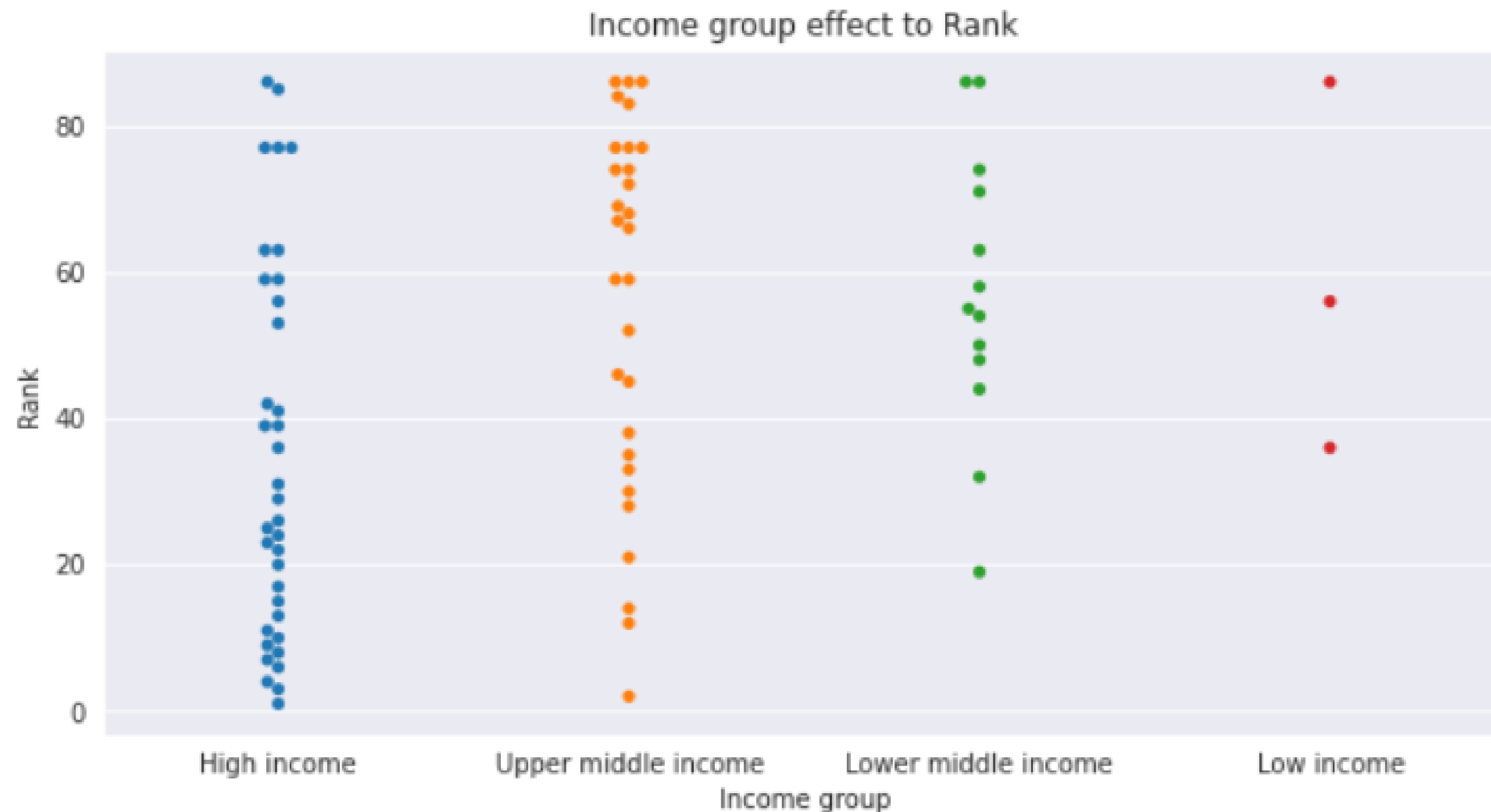
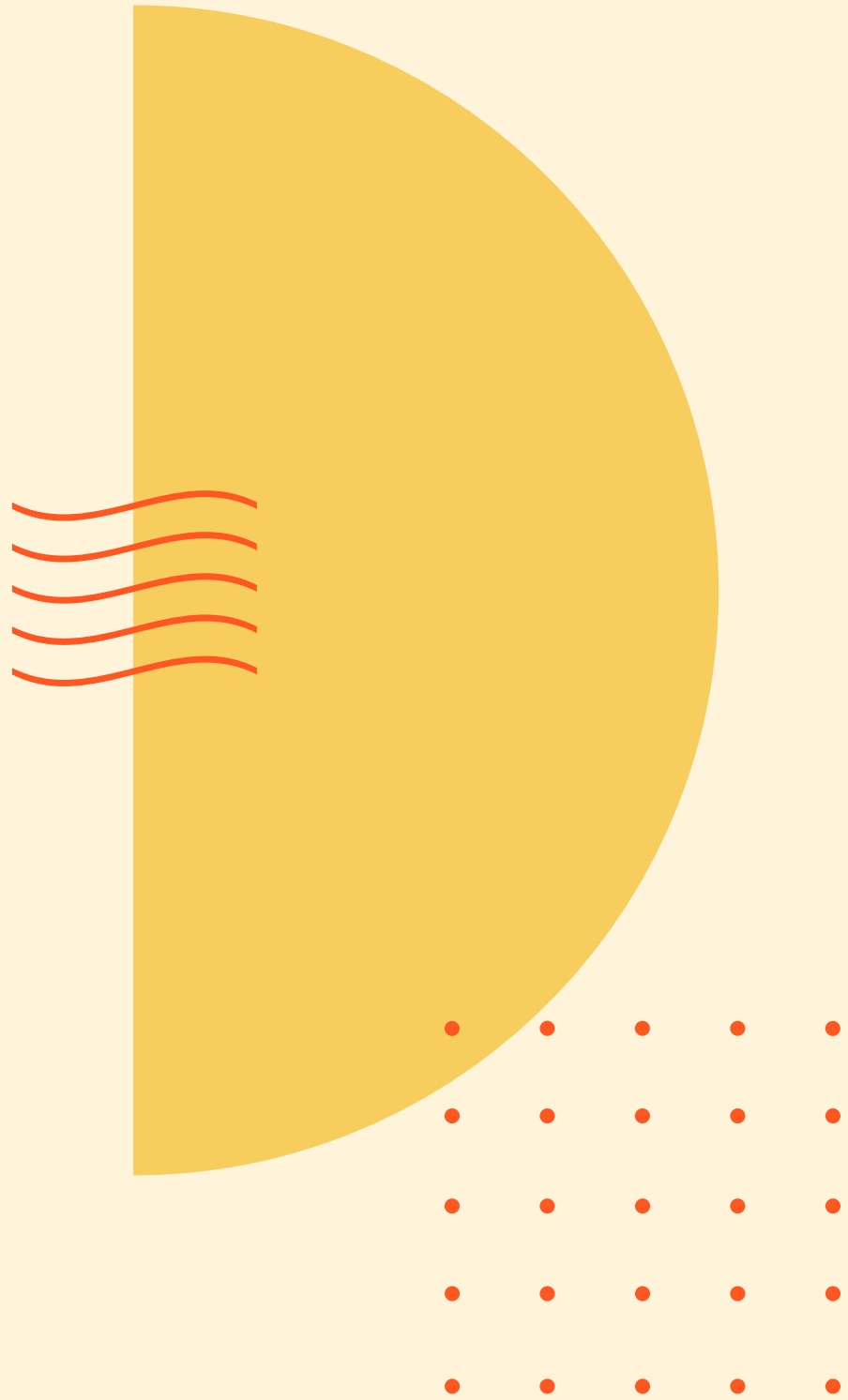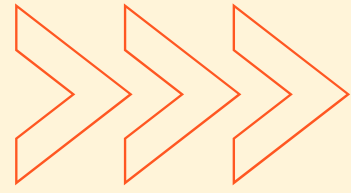# What is the scoring factor for the rank and rank by total?

- **Rank** is sorted by **gold** medal counts first, then **silver** medal counts, and then **bronze** medal counts
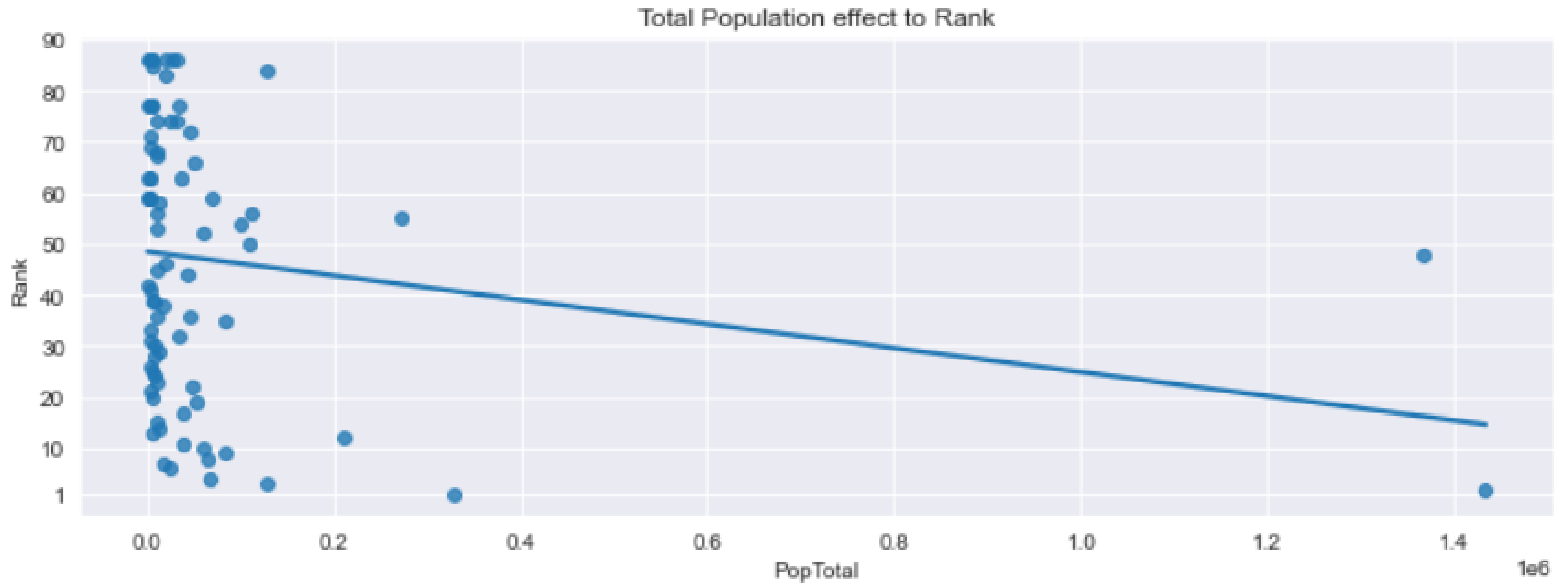- **Rank by total** is sorted by the highest **total** medal counts

What is the correlation between
income of a country and
its rank in Tokyo Olympic
2020?

Income group effect to Rank

- **Countries** with **high-income** group tend to have a **higher rank** compared to the one with lower income group
- The **top 50%** of the rank is **populated by** more than 50% **high-income** group, on the other hand, the **bottom 50%** of the rank is mostly populated by **upper-middle** (almost 50%) and **lower middle** (almost 25%) income group countries

How the population of a
country
affects their rank in
Tokyo Olympics 2020?

Total Population effect to Rank

The regression line shows that countries with a high population tend to have a high rank in Tokyo olympics 2020

Thank you