

Project topic

What affects a country's Olympic Medals?

Project data source link(s):

<https://worldpopulationreview.com/country-rankings/olympic-medals-by-country>

<https://worldpopulationreview.com/country-rankings/crime-rate-by-country>

<https://worldpopulationreview.com/country-rankings/best-healthcare-in-the-world>

<https://worldpopulationreview.com/countries/by-gdp>

<https://www.worldatlas.com/articles/countries-hosting-the-greatest-number-of-olympic-games.html>

https://en.wikipedia.org/wiki/Incentives_for_Olympic_medalists_by_country

Country code

<https://worldpopulationreview.com/country-rankings/country-codes>

Continent

<https://worldpopulationreview.com/country-rankings/list-of-countries-by-continent>

Host Country

<https://worldpopulationreview.com/world-city-rankings/olympic-cities>

https://en.wikipedia.org/wiki/List_of_Olympic_medals_by_host_nation

https://en.wikipedia.org/wiki/List_of_Olympic_Games_host_cities

Describe your data source. Discuss what other data sources you would want to combine this with to make the data richer.

The main data source shows how successful a country has been in the olympics, particularly how many gold, silver and bronze medals they have won. We want to combine this data with other data sources such as country gdp, healthcare and crime rates to see what are possible factors that affect how well a country does in the olympics.

Describe what information you would expect to glean from your data source(s). Share specific questions.

We will be investigating the correlations between each country's amount of olympic medals and its country specific information such as GDP, Population, Crime rate. The main data set will provide us with the information about the numbers of olympic medal by each country, and other datasets will give us information of crime rates, healthcare, and GDP. We will also utilize the data from gampinder to support our investigations.

We will answer the following questions:

Question 1: Are countries in certain regions more successful in the olympics?
Question 2: Are countries with lower crime rates more successful in the olympics?
Question 3: Do more populated countries have higher gdps? Are countries with higher GDPs more successful in the olympics?
Question 4: How might gdp affect healthcare?
Question 5: Are countries with better healthcare more successful in the olympics?
Question 6: Does general healthcare affect how well a country performs in the olympics or do olympic athletes have special treatment that make them more succesful?
Question 7: What countries host the Olympics often? What do host countries have in common?

Describe what visualizations you will create:

Visualization 1: Choropleth of countries by total medal count, hover category of medals
Visualization 2: Treemap of continents, countries, and medal count
Visualization 3: Scatter plot of gdp and total medal count, the size is the crime rate, color is continent
Visualization 4: Scatter plot of healthcare ranking and medal count, size is GDP, color is continent
Visualization 5: Bar
Visualization 6: scatter plot of healthcare and medal count

Who(what type of person) would be the audience for your collection of data visualizations?
What is the social good or benefit that could come from your project?

Some of our target audience would be NGOs, UN, Social Entrepreneurs, and Olympic Committees. Our project will create social good by helping people who work for international sports related fields understand how a country's overall status can affect its performance in sport. By understanding this information, organizations such as the Olympic committee and NGOs could go on to create fairer sports environments by taking into account each country's social context. They can also target socially disadvantageous country more accurately to help after learning how their sport performances are influenced by their social-economics status. This will eventually contribute to the development of countries.

Describe the DETAILED steps of your project plan for the 3 weeks of the project.

Week 1:

- Form research questions
- Gather essential data
- Loads all the data and clean them up into variables

Week 2:

- Graph the data sets
- Compose insights from the visuals

Week 3:

- Film the video and prepare to present our visuals and insights.