**Project Title:** Going for Gold: What Really Influences a Country's Olympic Medal Count?

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**Project Description:** Draw insights into how the state of a country can help project their performance in the Olympic games.

**Research Questions:**

Male vs female winning medals and how they compare to women's rights in respective countries

Ages and ethnicities of winning metalists, how do they differ by country?

Comparison of metal count to country's GDP over time

The change in Physical attributes over time- Height, weight and age (https://www.ted.com/talks/david\_epstein\_are\_athletes\_really\_getting\_faster\_better\_stronger?language=en)

Compare top countries by sport, top athletes by country

**Datasets to be used:**

Olympic medals data: https://olympicsapi.docs.apiary.io/#

We could use pollution data to see if it's related to medal attainment and who are the outliers:

https://aqicn.org/json-api/doc/

Can use worldbank income level data to see if it's related to medal attainment and who are the outliers: https://datahelpdesk.worldbank.org/knowledgebase/articles/898590-country-api-queries

**Rough breakdown of tasks:**

Use Pandas to read the data

Clean and reformat the data

Attempt to merge all datasets that can be easily grouped by similar indices

Quantitative analysis

Create plots to better describe the data

Qualitative analysis