

## Investigative Questions for CSC343 Project

1. How does a country's living condition indicated by its GDP per capita affect its performance in the Olympics indicated by the number of medals won by its athletes? And how does GDP affect the performance of athletes?
2. What does the ideal athlete for each sport look like? That is, does the weight, height, and age of an athlete affect their likelihood to obtain a medal in their sports category? **And what is the relationship between the performance and the characteristics of athletes in the 3 sport types - individual sport, partner sport, and team sport? (Specifically, we will consider aquatics, table tennis, and volleyball which represent the 3 types respectively.)**

*Originally we wanted to find which sport has the strongest correlation between the performance and the characteristics of athletes. But we found it too vague and decided to make it more concrete by investigating the relationship in 3 general types of sports.*

3. In which sport category (if exists), is each country
  - 1) most likely to obtain more medals than other sports and
  - 2) most likely to obtain more medals than other countries?