**Executive Summary**

The Shiny app will provide a user interface to navigate data compiled for the last 112 years of Olympic events. One of the challenges will be displaying the adequate level of detail, as team sports will have multiple athletes winning as medalists. It seems like a culturally relevant topic as we’re in the midst of the Winter Olympics.

**Motivation**Reviewing Olympic medalists is a globally relevant dataset, and with the current Winter Olympics occurring in South Korea, it’s a dataset that others may find intriguing as well. The data has over a century worth of medalists, and is large enough to encounter any unknown variables and challenges, such as country names changing and the ability to drill down to a very granular level.

**Data Question**

Which country has been the most successful in the history of Olympic games? How has success transferred from one country to another over time, and across disciplines?

**Schedule (February 15 – March 10)**

1. Get the Data (February 6th)
2. Clean & Explore the Data (February 15th)
3. Build & Deploy your Shiny App (February 27th)
4. Document/Pitch your Shiny App with a Presentation (March 10th)
5. Individual presentations (includes presentation & demonstration of your app)

**Data Sources**

I was able to find a collection of Olympic medalists compiled from various sources by The Guardian (<https://www.theguardian.com/news/datablog/2010/feb/11/winter-olympics-medals-by-country>).

**Known Issues and Challenges**

With over a century of data, I anticipate the names of countries have changed over time and will need to be addressed. There is also a very fine level of detail in the data that will need to be presented in a readable, ingestible format. Finding a way to display the immense amount of data will be the largest challenge. The data is structured by Olympic Year, Location, Sport (Aquatics), Discipline (Swimming), Event (1500m relay), Medal (Gold), Medalists (each solo or team athlete), and Gender.