**Activity Description: Sumo Wrestling Data Science Worksheet**

**Introduction:**

Sumo wrestling, with a rich history spanning many centuries, holds a prominent place in Japanese culture. A crucial element of the sport is the Banzuke, a ranking system utilized to determine tournament order and matchups. The Makuuchi Banzuke division, considered the highest and most prestigious, boasts a lineage that can be traced back to the 18th century. Presently, the competition structure includes six tournaments, known as basho, which are held annually. In this worksheet, our focus will be on employing data wrangling techniques to analyze the performance of wrestlers in the esteemed Makuuchi Banzuke division since the year 1957.

**Learning Objectives:**

By the end of this activity, you will be able to:

1. Group data to compare observations by common characteristics.

2. Subset data by filtering for selected characteristics.

3. Create new and more helpful variables from existing data.

4. Calculate pertinent summary statistics.

5. Draw meaningful conclusions through data wrangling processes.

**Methods:**

1. Data Wrangling: Using the dplyr package, or similar methods, will be necessary group, filter, select, slice, mutate, arrange, and summarize the data.