

Winning Characteristics in the Olympics

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Brainstorm

What variable in our model is most influential (or most accurately) able to predict someone winning a gold medal?

What country has won the most gold medals?

If someone doesn't win a gold medal, are they more likely to win a silver or bronze medal?

Do men or women win more gold medals , and are the influential variables the same for them?

Are countries with warmer climates more prone to winning a gold medal during the summer olympics? Would have to find some data classifying a country as a warm country.

Filtering Data

Introduction and Data

Research Question

Variables of Interest

Data Cleaning

Exploratory Data Analysis

Methodology

Why We Chose an Ordinal Model

Model Selection Process

Variable Interactions and Transformations

Model Conditions and Diagnostics

Results

Final Model

Key Results and Interpretations

Discussion

Revisiting the Research Question

Hypothesis Test

Limitations

Ideas for Future Work

Appendix