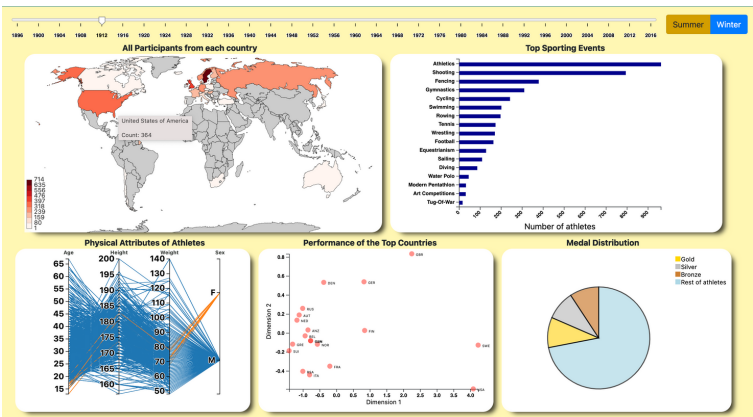# Through the Lens of Data: A Visual Story of the Olympic Games
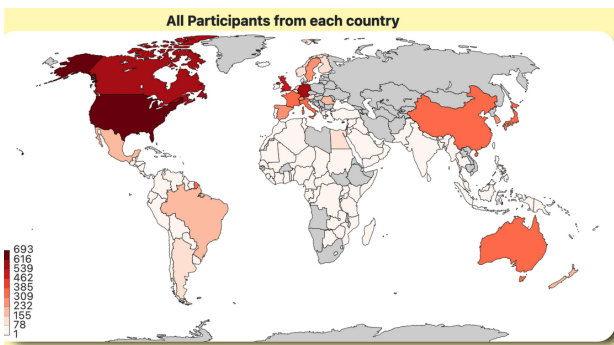
-Kapil Thakkar(115134195)

-Swarad Gat(114833402)

DASHBOARD

The dashboard consists of 5 graphs. For a given year, the demographic distribution, top sports played, athlete attributes, PCA of countries and pie chart of medal tally are given
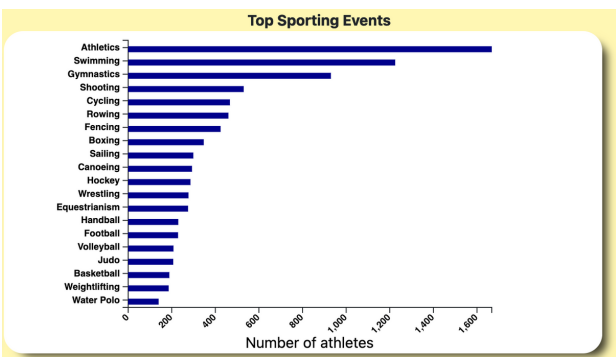

CHOROPLETH

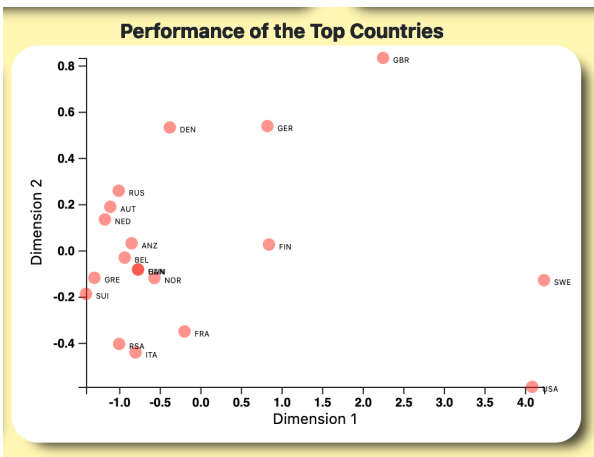Choropleth shows the number of participants from each country for a given year

BAR CHART

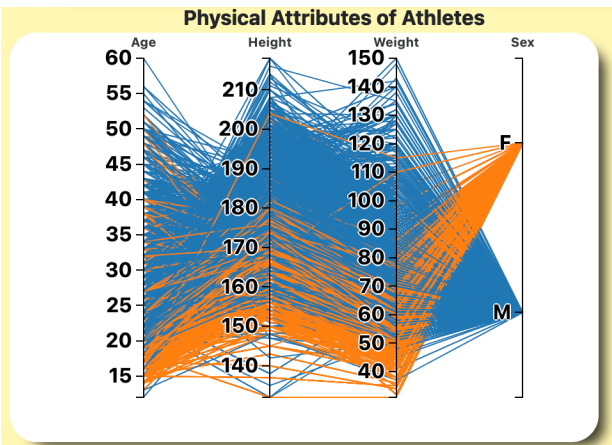Bar Chart shows the top 20 sports played by the athletes in a given year

PCA

Principle Component Analysis is performed to show the relative performance of the top 25 countries in a given year
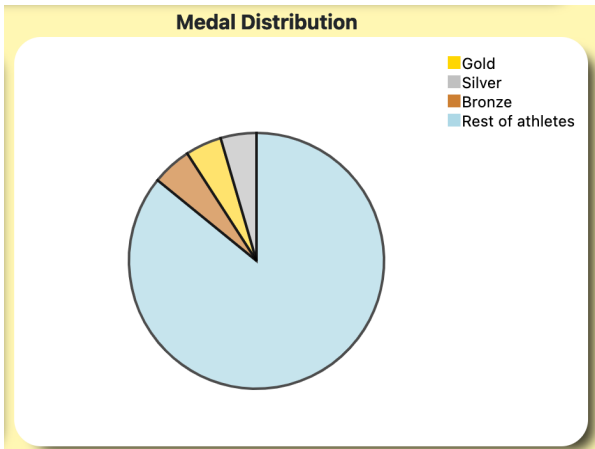

PCP

PCP shows the physical attributes of Height, Weight, Age and Sex of all athletes in a given year
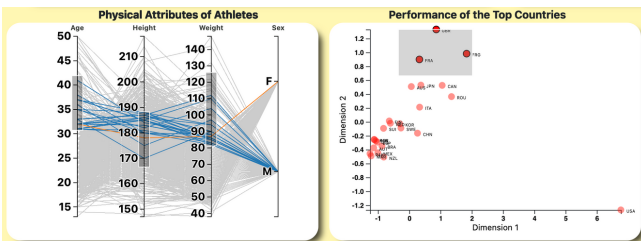

PIE CHART

The Pie Chart shows the medal tally for a given year

INTERACTIVITY

PCP and PCA support interactivity using brushing techniques

INSIGHTS

- Judo and Weightlifting usually have heavy-weighted athletes
- Gymnastics usually have light-weighted athletes
- Basketball usually has the tallest athletes
- Female participation has risen over the years(1896-2016)
- Most participants in Winter Olympics are from countries in the northern hemisphere
- African countries have minimal participation in Winter Olympics
- Most participation is from European/North American countries