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**Olympic Sports and Medals, 1896-2016 Dashboard**

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# OVERVIEW

Olympic games are international sporting events in which thousands of athletes from around the world participate in many sports competitions. The scope of this project is to create and deploy a dashboard to tell a story of history of modern Olympic games from 1896 to 2016, answering some questions such as which countries participated in Olympic games, age/sex distribution of athletes over the years, what sports are in Olympics, medals won by the countries and host countries and cities.

# DATA SOURCES

As dataset, we are planning to use the dataset available in the links below, but if necessary, web scraping and/or additional datasets could be added to the list.

1. Datasets
   1. <https://www.kaggle.com/the-guardian/olympic-games>
   2. <https://www.kaggle.com/heesoo37/120-years-of-olympic-history-athletes-and-results>
   3. <https://data.world/sports/olympics>

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# TECHNOLOGIES

As front end, HTML, CSS and JavaScript will be used, and the final product will be deployed to Heroku. Flask and routes to feed into front end.

Libraries: Leaflet, Plotly, Font Awesome, D3.

# GITHUB REPO LINK

<https://github.com/JB713/Olympic_Medal_Dashboard.git>

# VISUALIZATIONS

# A close up of a map Description automatically generatedA close up of a map Description automatically generatedA screenshot of a cell phone Description automatically generated

# TASK BREAKDOWN

Extracting data

1. Create python code to convert data CSVs into panda dataframes

Transforming data

1. Complete ERD to show which tables to build
2. Form tables in Postgres w/ appropriate keys
3. Clean, merge, filter data

Creating Python Flask and Heroku Deployment

1. Create Python Flask to connect the DB to the front end
2. Heroku deployment

Creating front end

1. HTML/CSS/Bootstrap/JS to create the front end of the dashboard