Tokyo 2020 Olympics Medals

The 2020 Summer Olympics , officially the Games of the XXXII Olympiad and branded as Tokyo 2020, is an ongoing international multi-sport event being held from 23 July to 8 August 2021 in Tokyo, Japan, with some preliminary events that began on 21 July.

Dataset

Exploratory data analysis is an approach of analyzing data sets to summarize their main characteristics, using different data visualization methods like Matplotlib,Seaborn,Plotly etc.Olympic Games are leading international sporting events in which thousands of athletes from around the world participate in a variety of competitions. The Olympic Games are considered the world's foremost sports competition with more than 200 nations participating. The Olympic Games are normally held every four years, alternating between the Summer and Winter Olympics every two years in the four-year period. In Tokyo Olympic,around 11,656 Athlete's took part from 205+ Countries.

Here's is Step-by-Step of the Project:

Install and Importing Required Libraries.

Downloading DataSet.

Finding Insights from Dataset.

Data Visualization.

Data Description

The dataset contains the following Columns:

- Country
- Gold Medal
- Silver Medal
- Bronze Medal
- Total
- Rank By Total

Data Cleaning

I made the following changes and created the following variables:

- Renamed the column : 'Team/NOC':'Country','Gold Medal':'Gold', 'Silver Medal':'Silver','Bronze Medal':'Bronze','Rank by Total':'worldrank'

Finding Insights & Data Visualization

- Finding Top 10 Countries according to World ranking in Tokyo Olympic.

- Arrange the countries according to higest Gold,Sliver,Bronze medals win.

- Find the Gold,Silver,Bronze Medals Won by India & Also finds its Ranking.

- Comparing India's medal counts with others.

- correlation using heatmap .

- number of country participate in tokyo olympic from different continents.

- piechart for continent.

- Pairplot overview