Olympic Medals (1896-2014)

PROJECT 1: **ubhm-brm-data-pt-06-2021-u-c**

Overview

we will be conducting some analysis of
medalling trends for the Summer Olympic Games

Group members

Amjad

Jesse

Maxwell

Tom

Belinda

Choki

Project Description/Outline:

1) Who were the top ten performing nations for each Olympic Games and how does the top ten table change over time?

2) Who medals in each new sport and what was their rank in total medals table for the previous games

3) Taking three games prior and three games post the host Olympics – what is the impact on medalling increase/decrease ?

Dataset to be used:

https://www.kaggle.com/the-guardian/olympic-games

https://www.kaggle.com/piterfm/olympic-games-hosts

Data cleaning:

- Adjusting for unique events
- Differences in mens and womens events
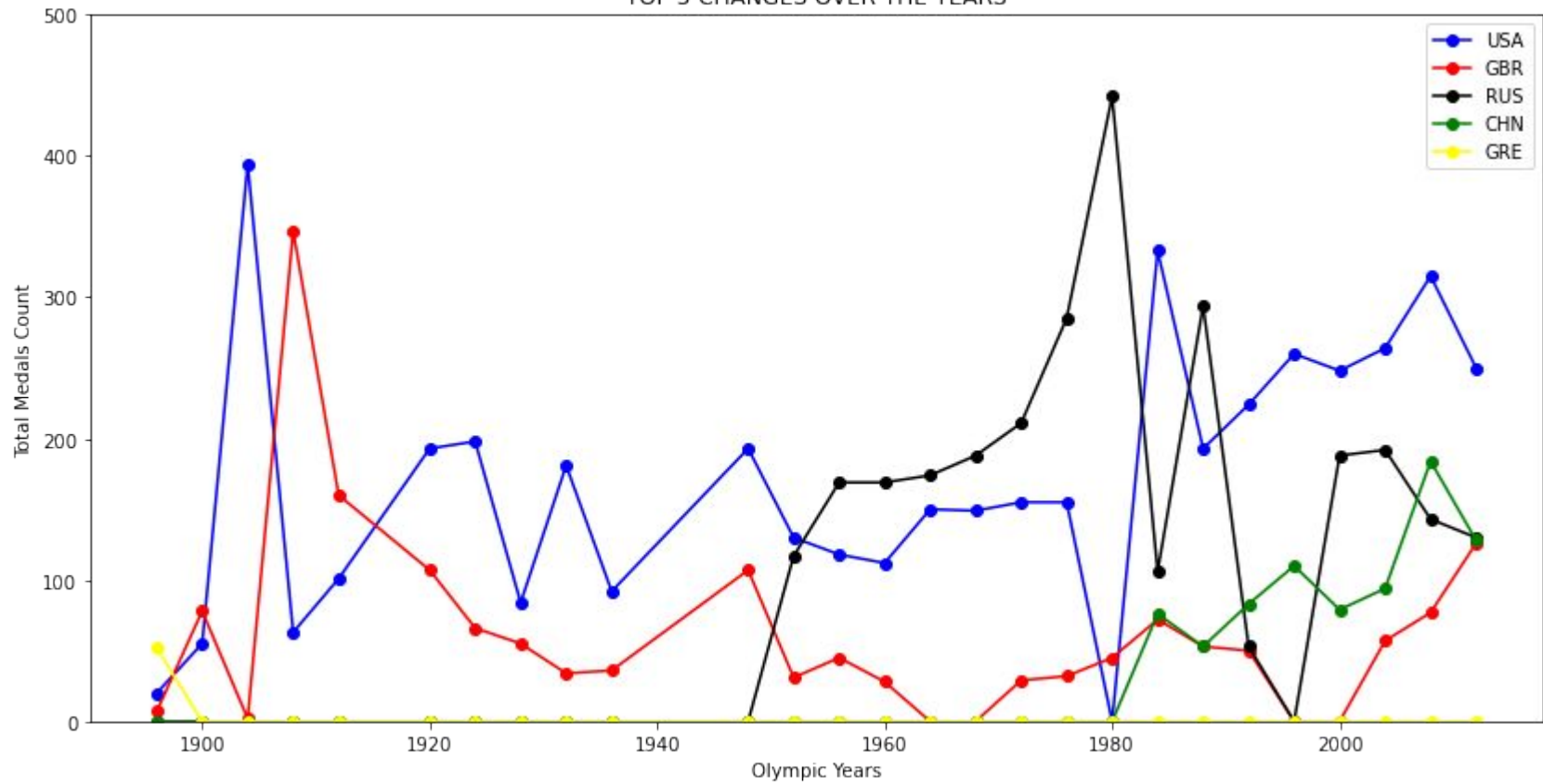- Country name changes

How did the top 10 table change over time

- Top ten performing countries for the olympic over time, by using the medals counts:

- USA   4585

- URS   2049

- GBR   1720

- FRA   1396

- GER   1305

- ITA   1296

- AUS   1189

- HUN   1079

- SWE   1044

- NED   851

How did the top 10 table change over time

- According to the data we found that they were about 25 different countries who appearing in the top 10 since record began (1896) to 2012.
- Some countries changed names, some countries appeared once (especially Greece), while other countries like GBR appeared all the time.
- From the line graph we wanted to find how the top 10 (or 5) changed with time.

TOP 5 CHANGES OVER THE YEARS

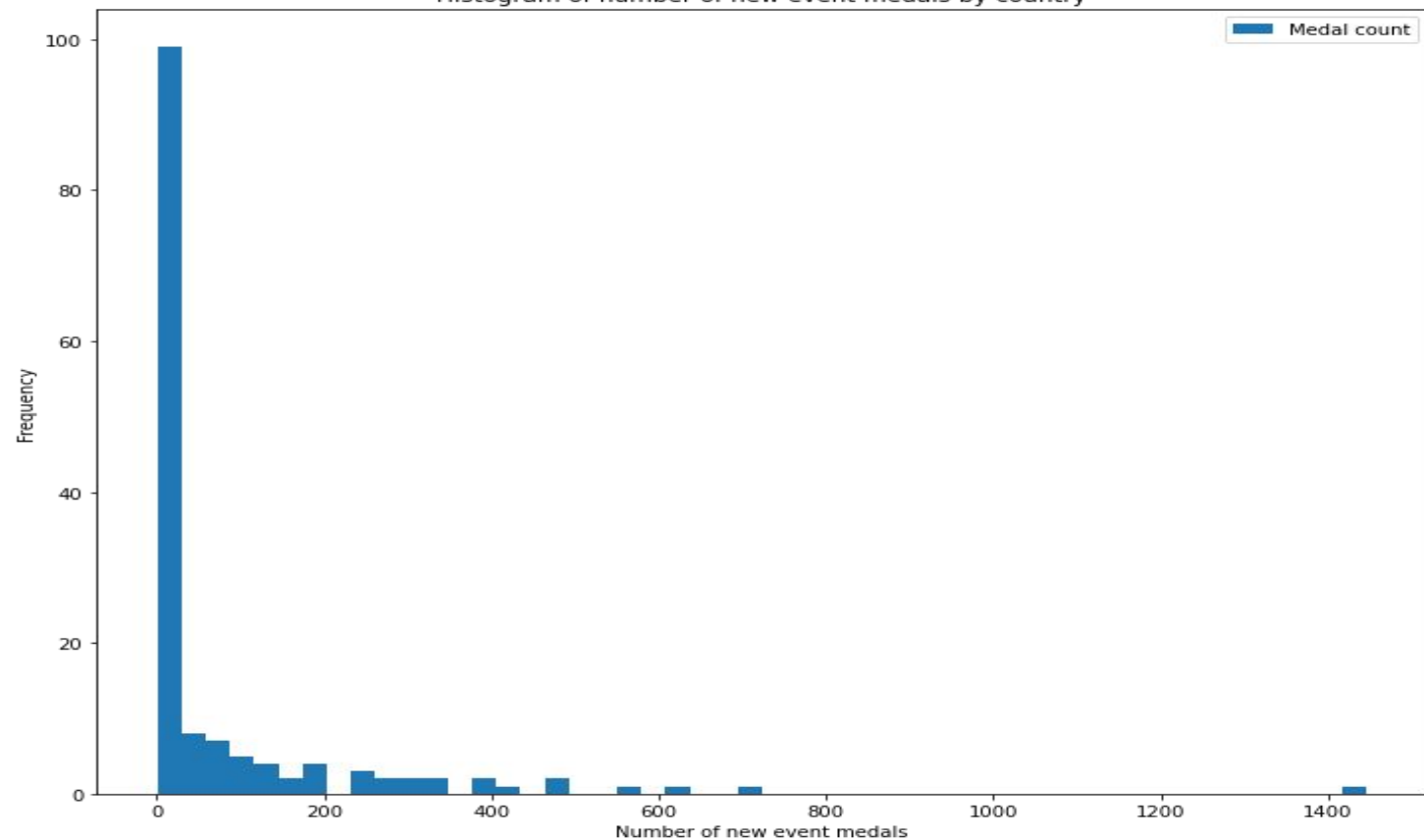# Distribution of Medal counts for New Event

➔ **The Data showed the USA is by the top performer:**

◆ **USA : 1447 Medals across all new events**

◆ **USSR/Russia: 706 Medals across all new events**

◆ **Great Britain: 633 Medals in all new events**

➔ **The Histogram showed a significant skew towards small numbers of medals per country:**

◆ **Mean medal count of (81 medals) being greater than 75th percentile**

◆ **Median value being 11 Medals per country**
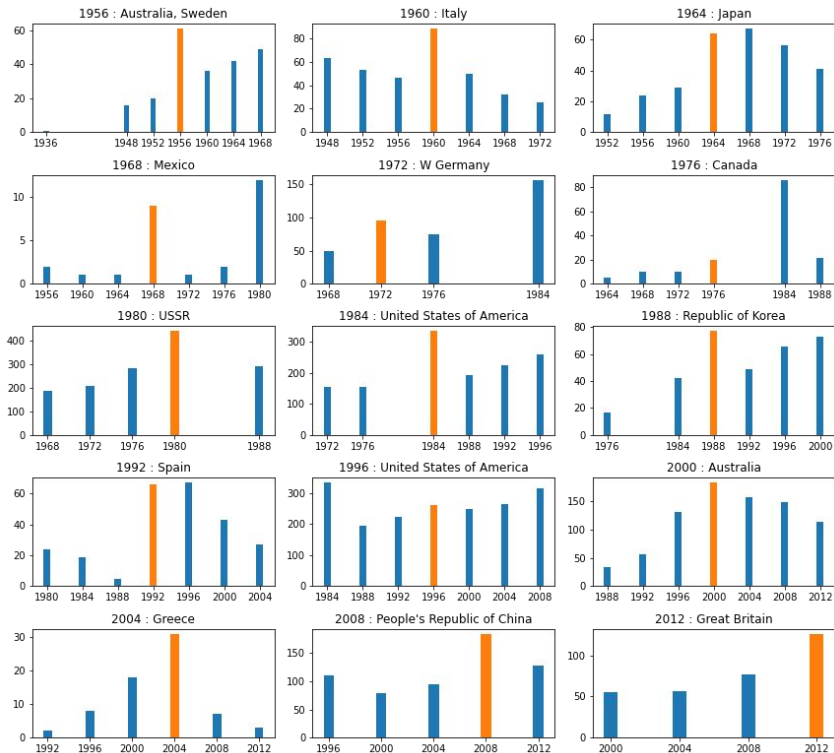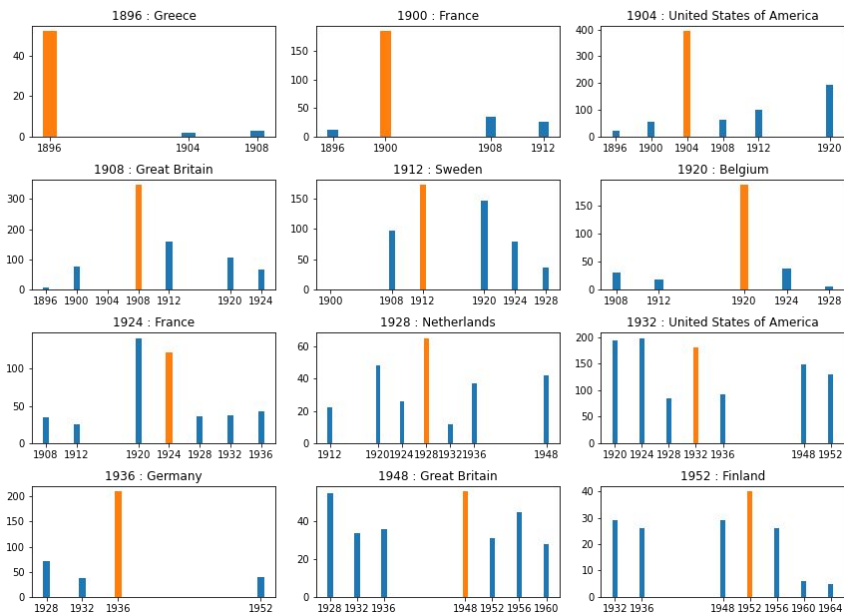
Histogram of number of new event medals by country

Impact of being Host for Olympics

-Overall being Host has been a big advantage

- In many cases countries best performance was being Host

-Data Visualisation by Bar Charts

-Data analysis is done by Chi.Squared Test

Impact of being Host for Olympics

Thank you

Any questions