



*Olympic Games Analysis - 120 Years of
History*

OLYMPIC GAMES

**RANK****TEAMS****01****Introduction****XX****02****Goals & Objective****XX****03****Problem Statement****XX****04****KPIs****XX****05****Data Modelling****XX****06****Exploring the Data****XX****07****Dashboard****XX****08****Finding and Insights****XX****09****Conclusion and References****XX**



Introduction



The purpose of Olympics is to design and development of a data visualization project that explores 120 years of Olympic history, athletes, and results. Aim is to provide an interactive and informative dashboard that allows users to explore and analyse Olympic data.



Goals and Objectives



Medal Distribution

Calculate highest number of medals won by each nation and individuals separately



Comparison

Compare region with medals, athlete and their strength and weaknesses



Examine Athlete Performance

Top athletes with best medals and in which event



Events

Which event is occurring repeated and who is performing and earning medals



Problem Statement



Age distribution with medals

Which age category have higher chances to win a medal in Olympics'

Successful Sports

Which sport or event is more successful historically based on medals





Key Performance Indicators (KPIs)

02

**Medals distribution
by Gender**

03

**Top Events by Goal
Medals**

01

**Medals by Age
Group**



04

**Medals Won by
Region-wised**



Explore the data

Separating the dimension
tables and lookup tables

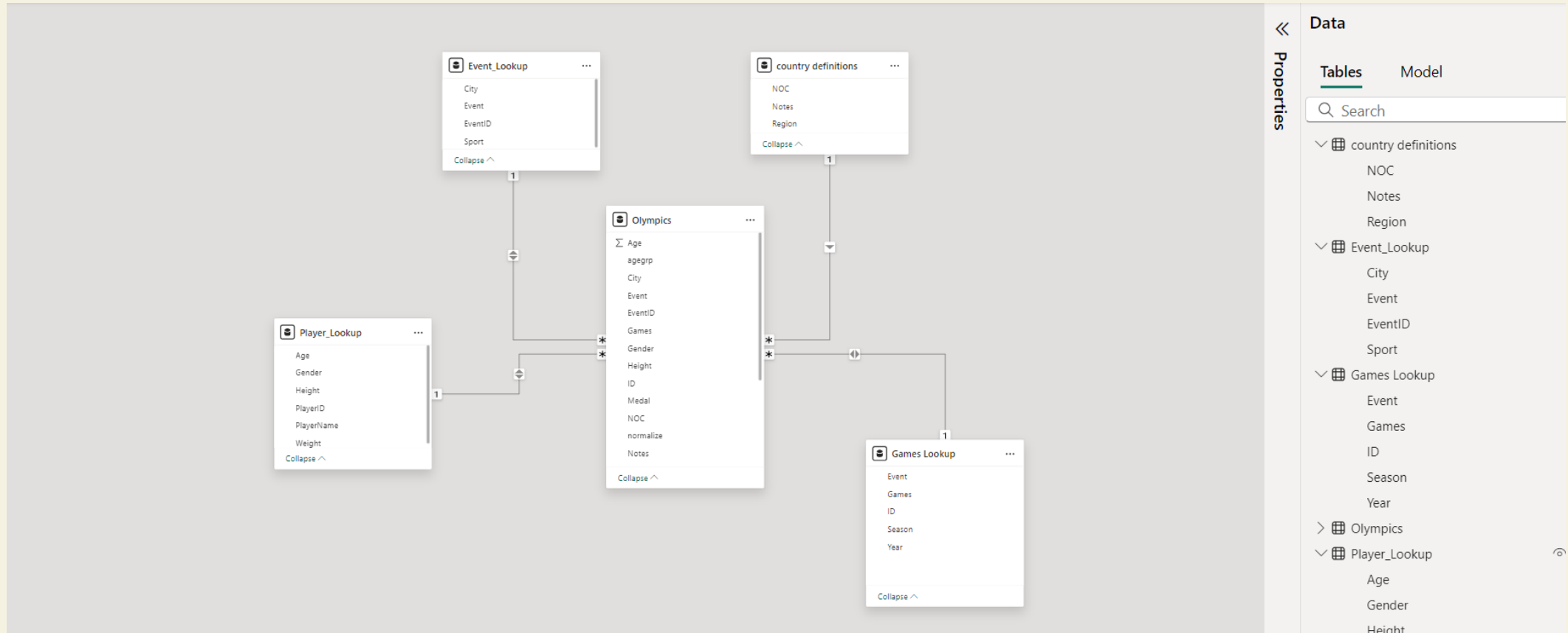
At the end, Close and
Apply → Start Visualize

Download and
Transform the data in
to Power BI

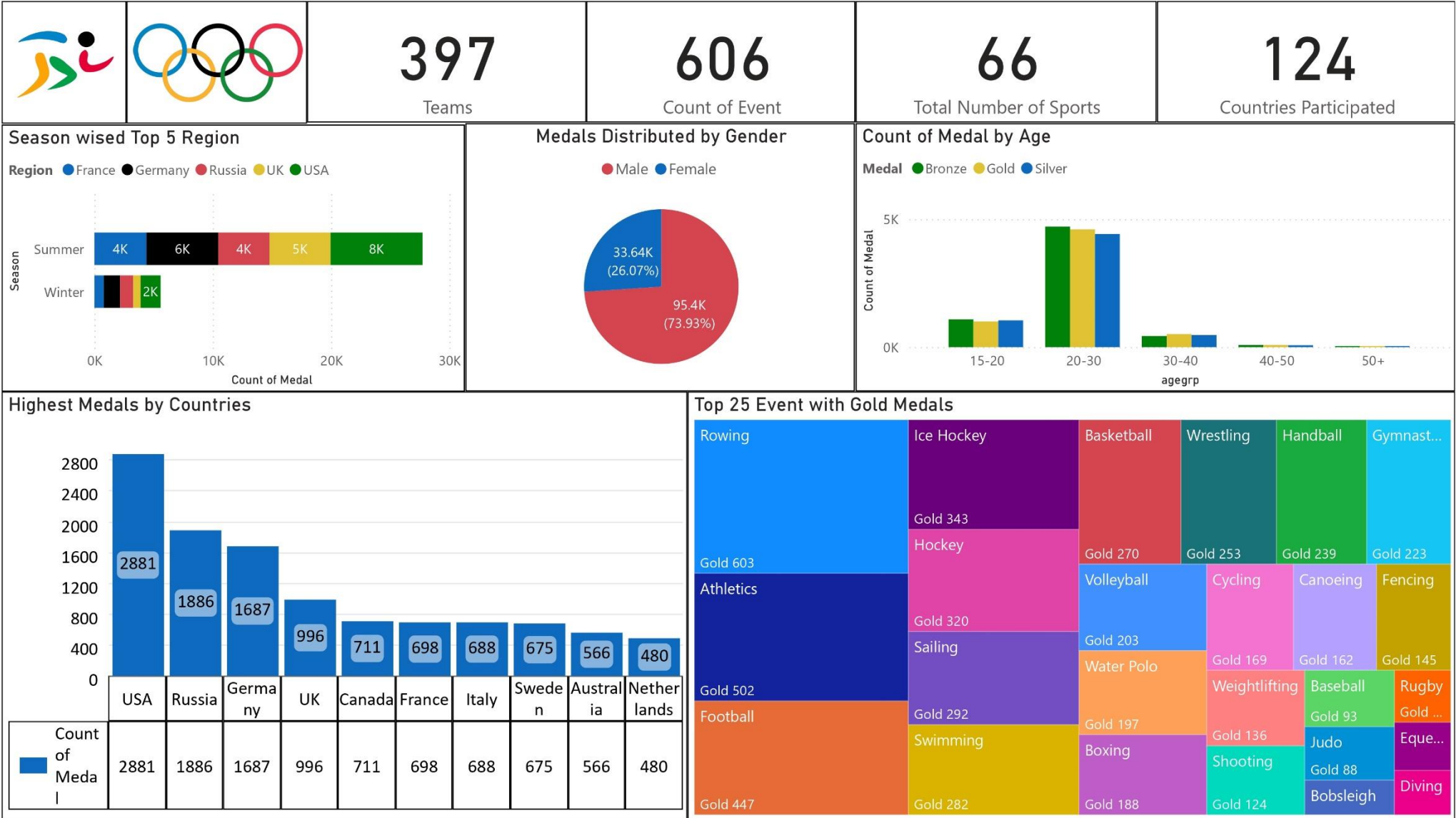
Removing Duplicates of
primary keys

Using drill-down and
clickable charts to learn
deeply about data

Data Modelling



Dashboard





OLYMPIC RINGS





Finding and Insights

Events

Rowing, Football, Athletics

These were the top 3 events that occurred frequently and also had many gold medals

Age 20's

20-30 age contestants

People who are in their 20s are leading and have a higher chance of winning medals

Countries

USA

The USA dominated the Olympics from 1894 to 2016, and it is far from second

Conclusion

Outlines the scope, architecture, and technical requirements for the Olympic 120 year's records. Provide an interactive and informative dashboard for users to explore and analyse Olympic data.

References

[Dashboard: PowerBI](#)

[Kaggle: kaggle.com/datasets/heesoo37/120-years-of-olympic-history-athletes-and-results](https://kaggle.com/datasets/heesoo37/120-years-of-olympic-history-athletes-and-results)

[PPdT: sketchbubble.com/en/eula](https://sketchbubble.com/en/eula)



THANK YOU