

EXPLORING OLYMPICS DATA

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EXPLORE
DATASETS

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QUESTION 1

Q&A

DATASET EXPLORATION

Olympics Dataset

- Columns: 15
- Rows: 271,116
- Contains historical data on athletes who participated in the Olympic Games.
- Attributes of interest: team, medal, year, games, city, country, name.

Countries GDP 1960-2020

- Columns: 63
- Rows: 120
- Provides GDP data for various countries from 1960 to 2020.
- Attributes of interest: Country name, Country code, year, GDP.

PREPROCESSING TASKS

- Removing duplicate rows
- Removing non-medalists
- Converting team names to ensure there are no mismatch for merging
 - e.g. United States, United States-1... should all be United States
- Mapping host cities to host countries

QUESTION 1

What are the medal-winning trends of selected countries across different Olympic Games?

GRAPH 1

NUMBER OF
MEDALS WON
PER COUNTRY

GRAPH 2

COUNTRY'S
MEDAL WINNING
TREND PER GAME

GRAPH 3

TOP 10
ATHLETES FOR
SELECTED
COUNTRY AND
GAME



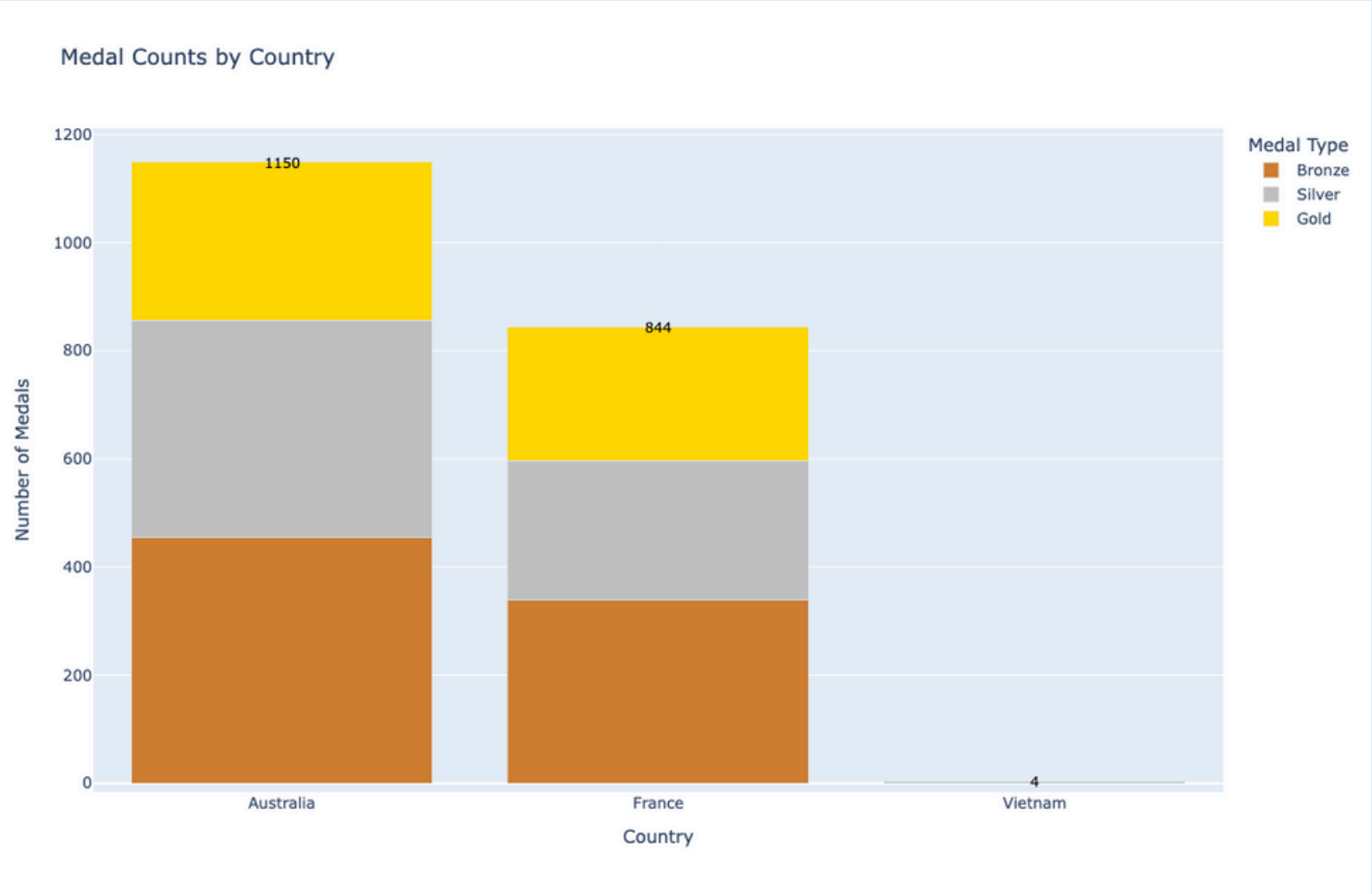
STACKED BARPLOT

NUMBER OF MEDALS WON BY SELECTED COUNTRIES

Olympics Data Dashboard

× France × Australia × Vietnam ×

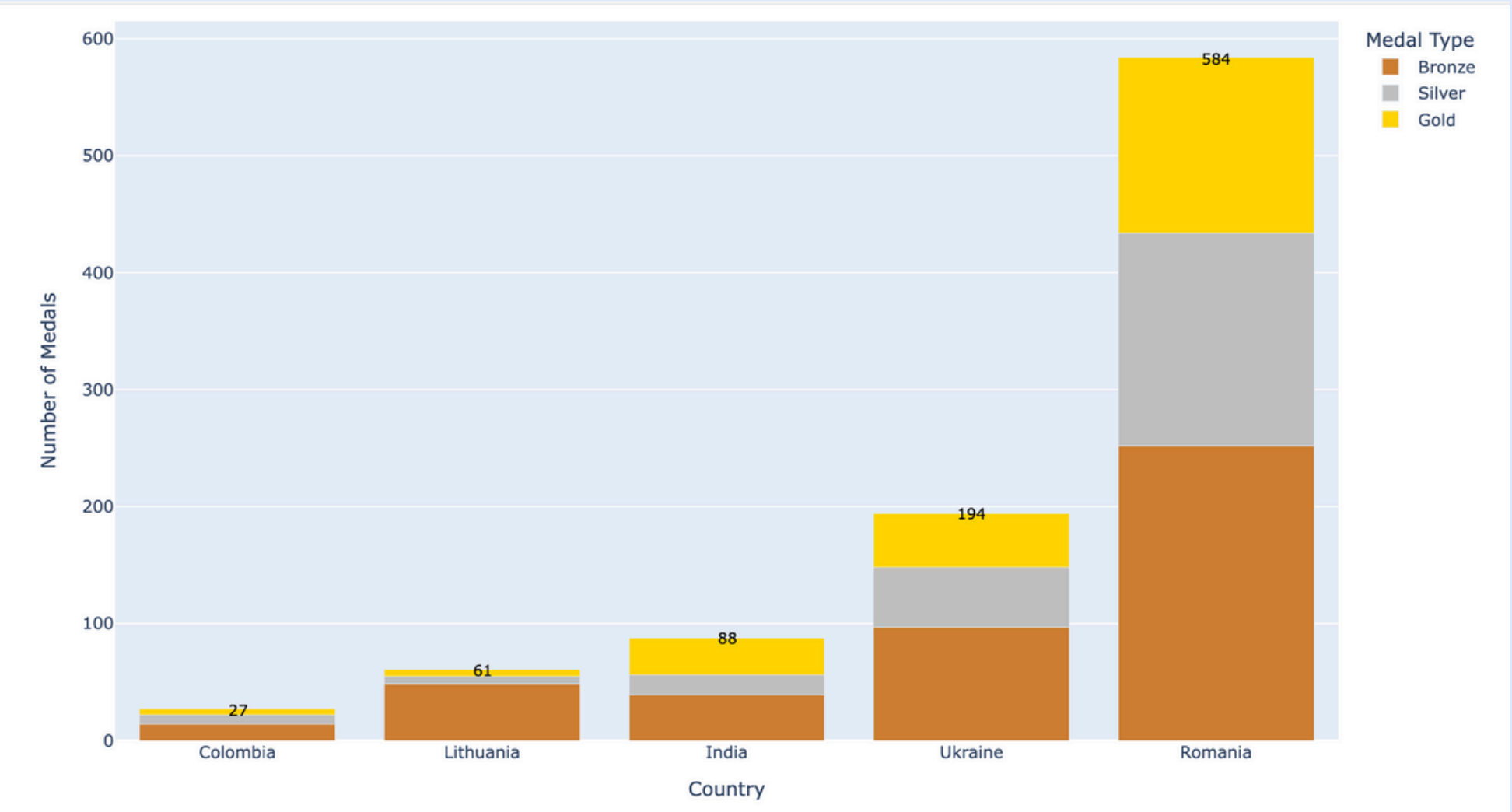
Descending

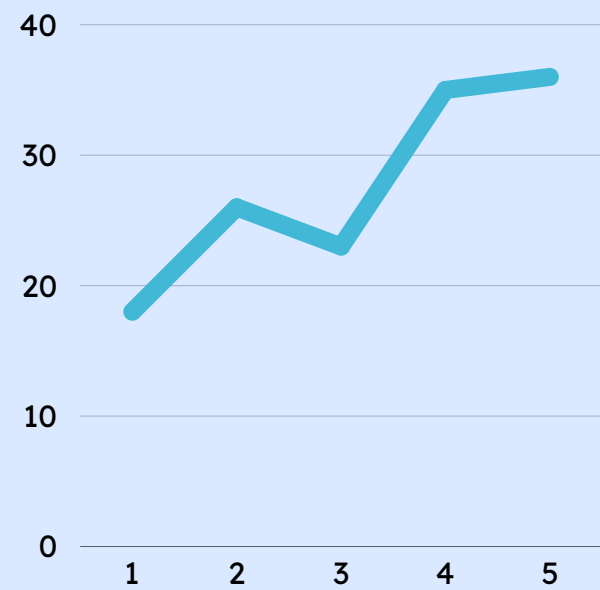


Olympics Data Dashboard

× Ukraine × Romania × India × Lithuania × Colombia ×

Ascending

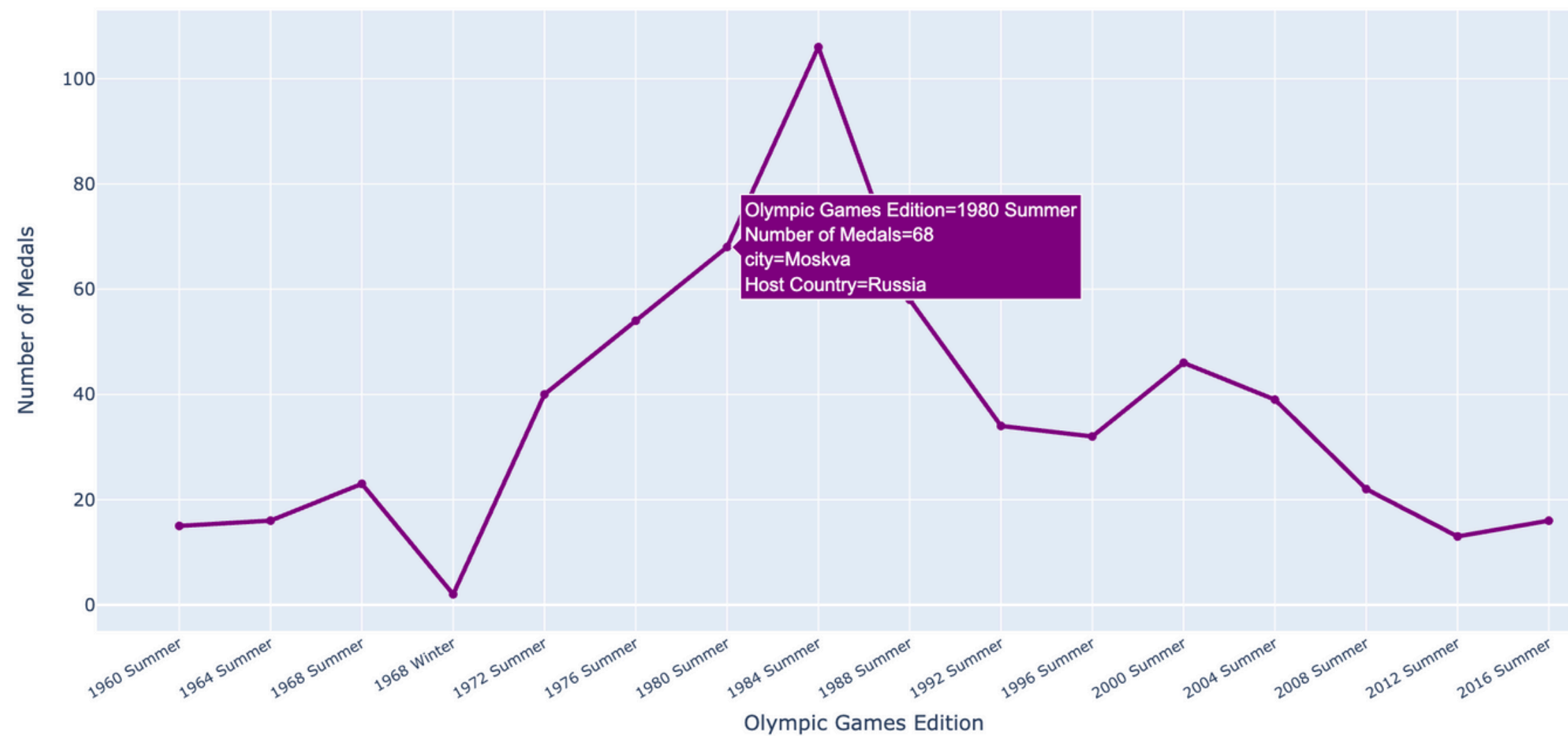


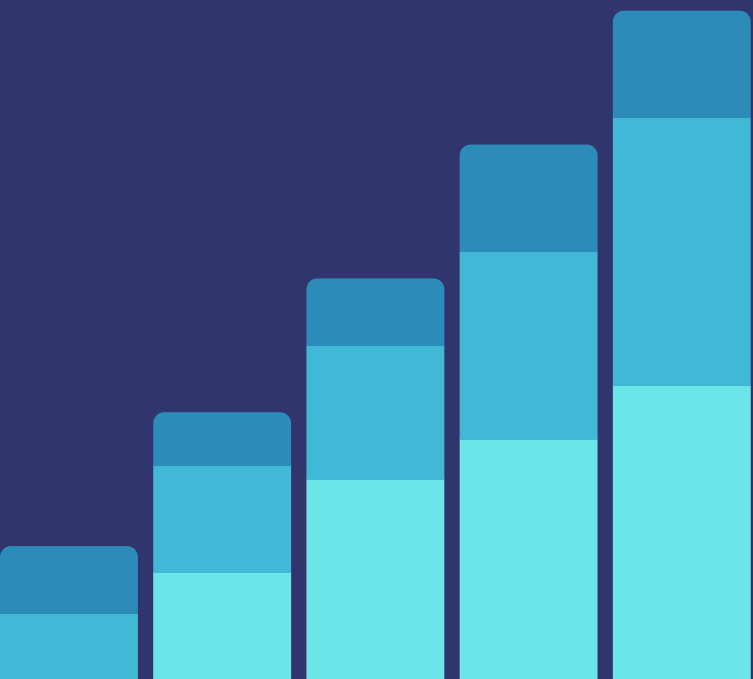


GAME'S LINEGRAPH

NUMBER OF MEDALS WON PER OLYMPIC GAME BY SELECTED COUNTRY

Total Medals Won by Romania Over Different Olympics

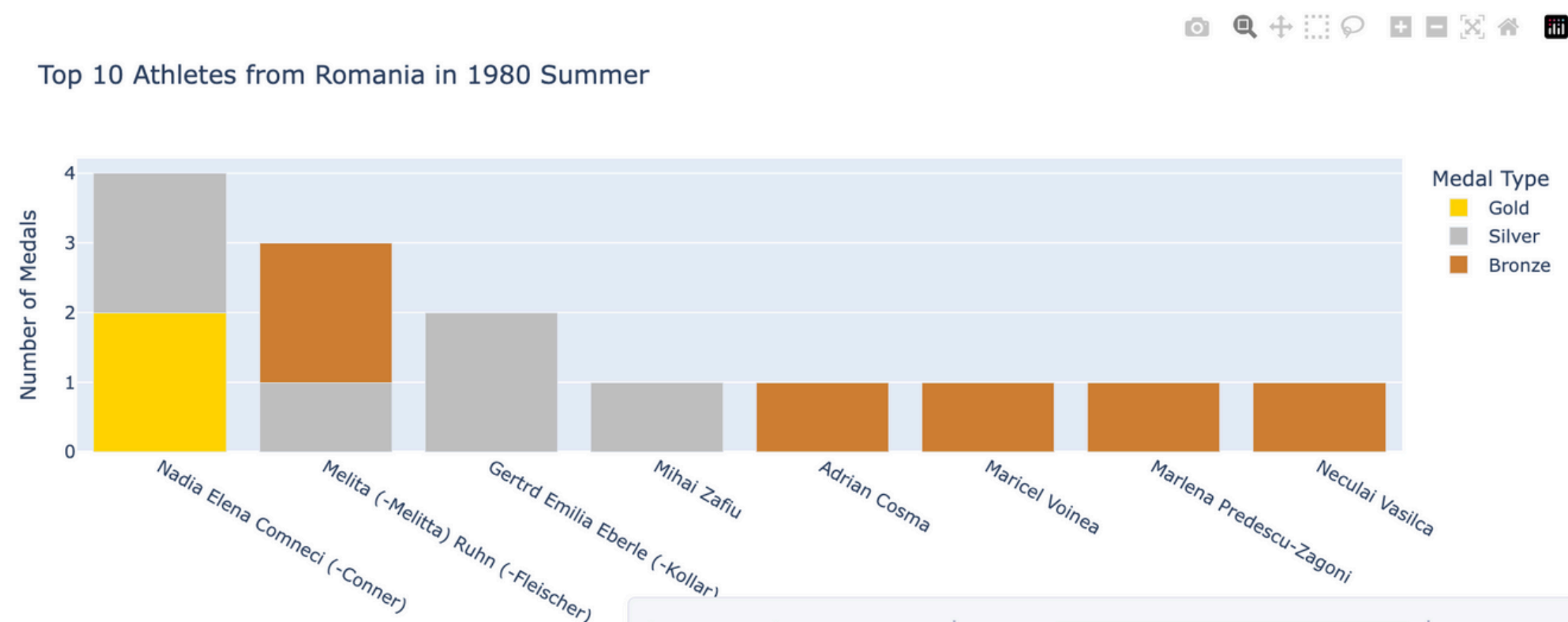




ATHLETES STACKED BARPLOT

TOP (MAXIMUM 10) ATHLETES AND THEIR MEDALS FOR CHOSEN GAME

Top 10 Athletes and Their Medals



[Errors](#)

[Callbacks](#)

v3.0.0

[Dash update available - v3.0.1](#)

Server

QUESTION 2

How has hosting the Olympics affected the host country's GDP?

GRAPH 1

INTERACTIVE
WORLD MAP
WITH AVERAGE
GDP

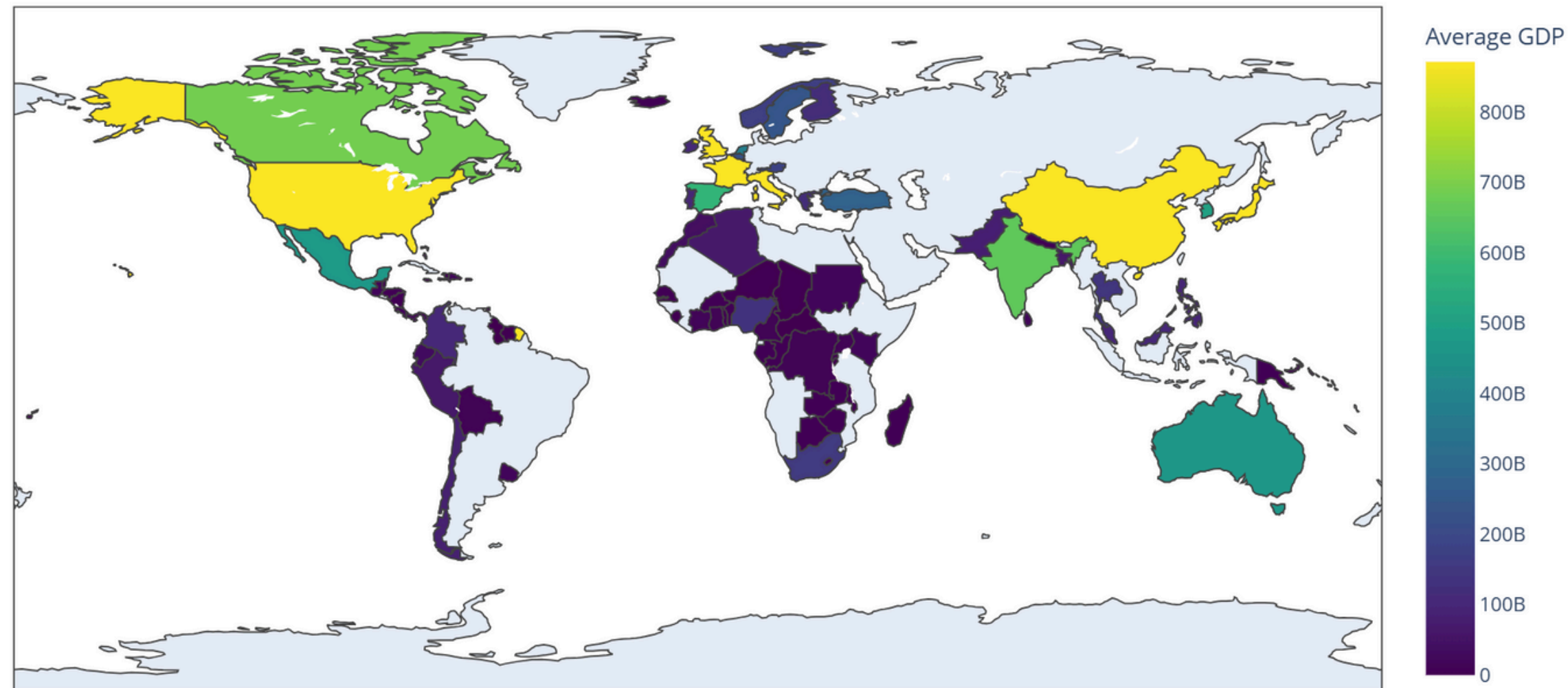
GRAPH 2

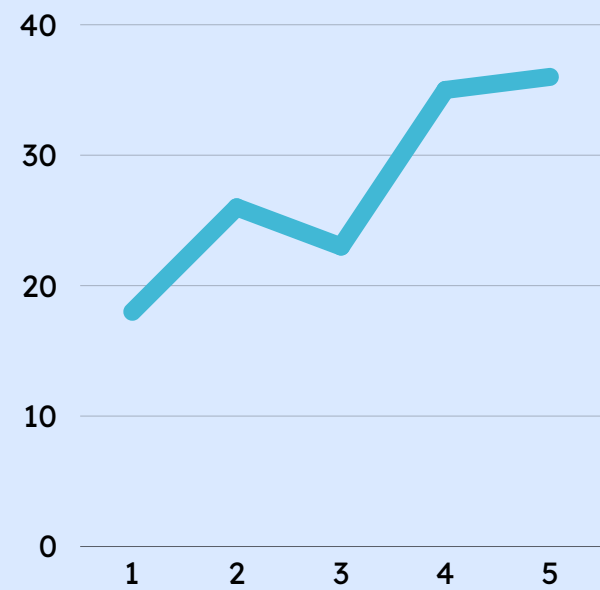
COUNTRY-
SPECIFIC GDP
CHARTS WITH
OLYMPIC HOST
YEARS

INTERACTIVE WORLD MAP

COUNTRIES AND THEIR AVERAGE GDP

Average GDP by Country (1960–2020)

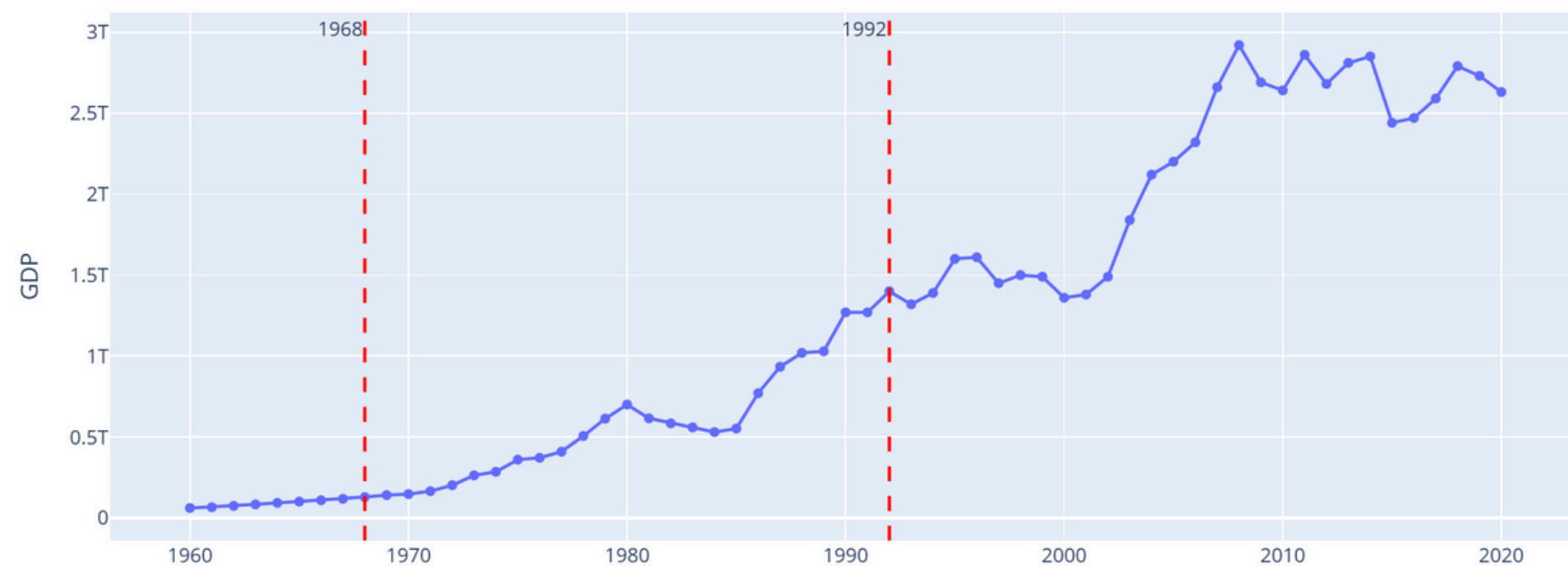




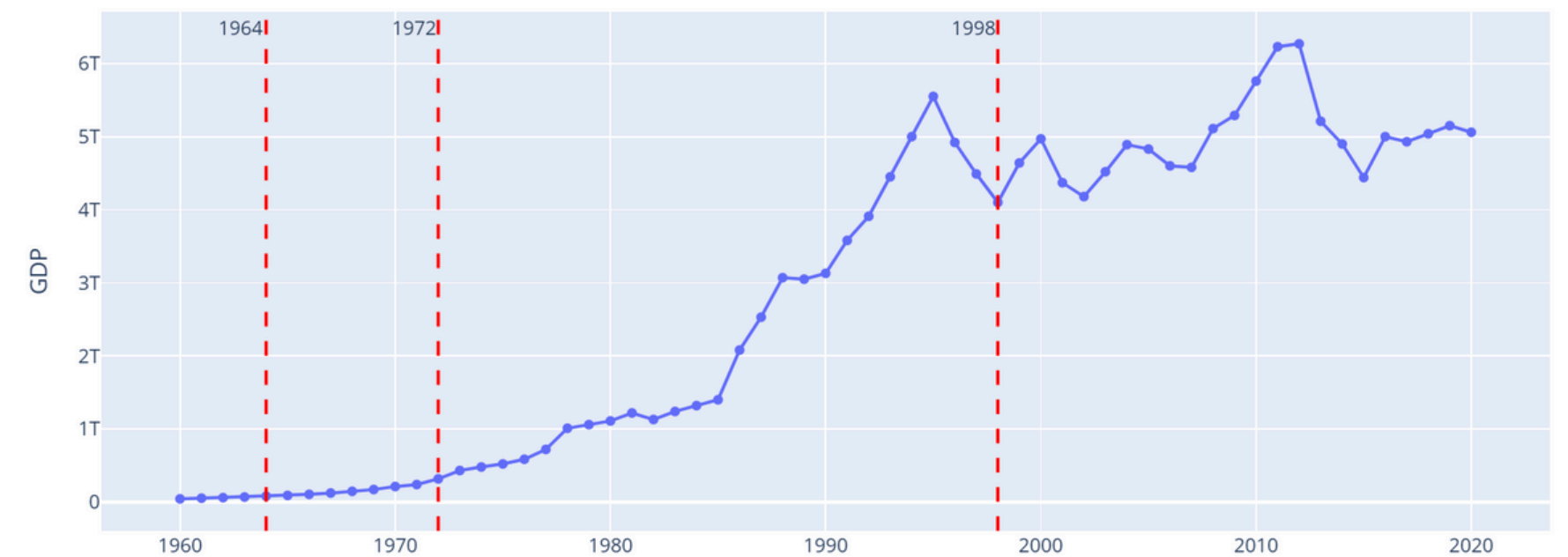
GDP LINE CHARTS

SIMPLE LINE CHART SHOWING GDP OVER TIME, HIGHLIGHTING OLYMPIC HOST YEARS

GDP Over Time: France



GDP Over Time: Japan





QUESTIONS?