EXPLORING OLYMPICS DATA

GROUP 6: SAMANTHA EMMA MORRIS, LE GIA DUC AND VO KHOI THANH LAM

TABLE OF CONTENTS

EXPLORE DATASETS

QUESTION 1

QUESTION 2

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

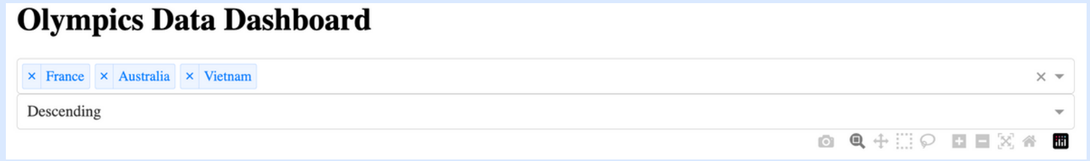
COUNTRY'S MEDAL WINNING TREND PER GAME

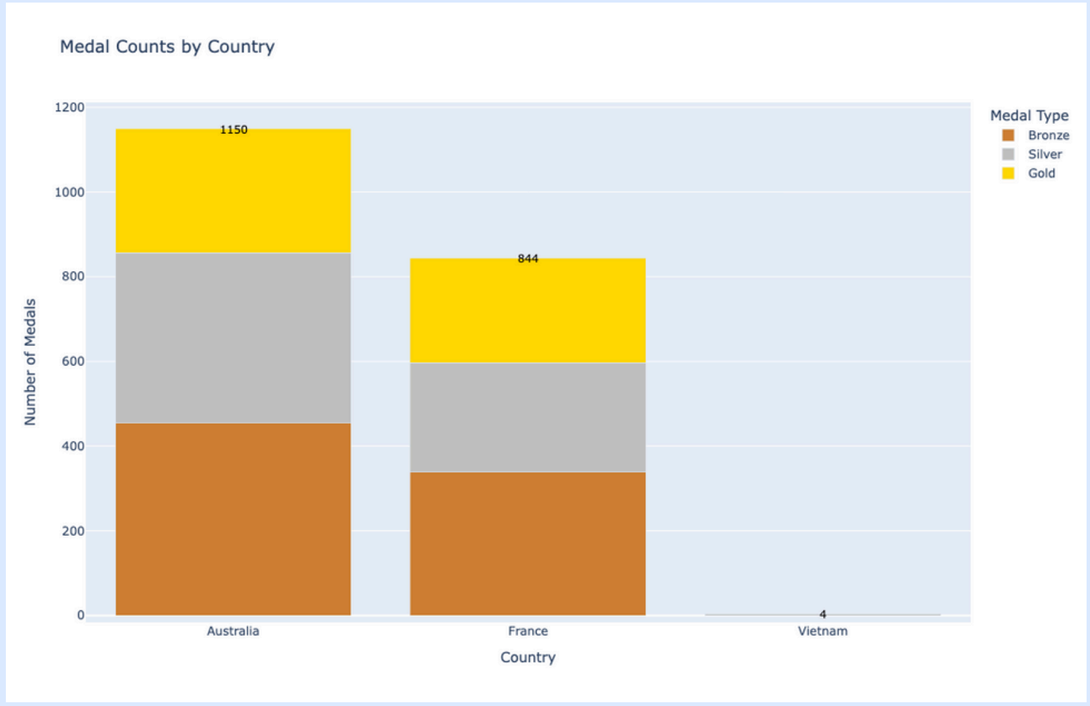
GRAPH 3

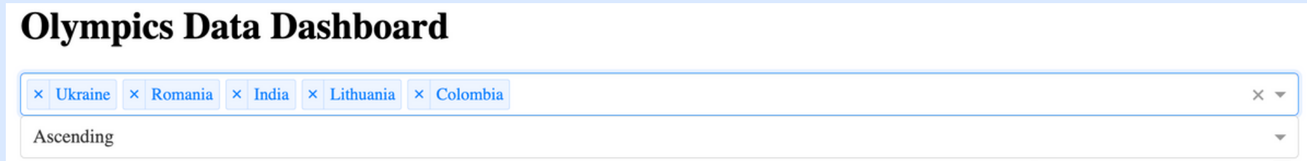
TOP 10 ATHLETES FOR SELECTED COUNTRY AND GAME

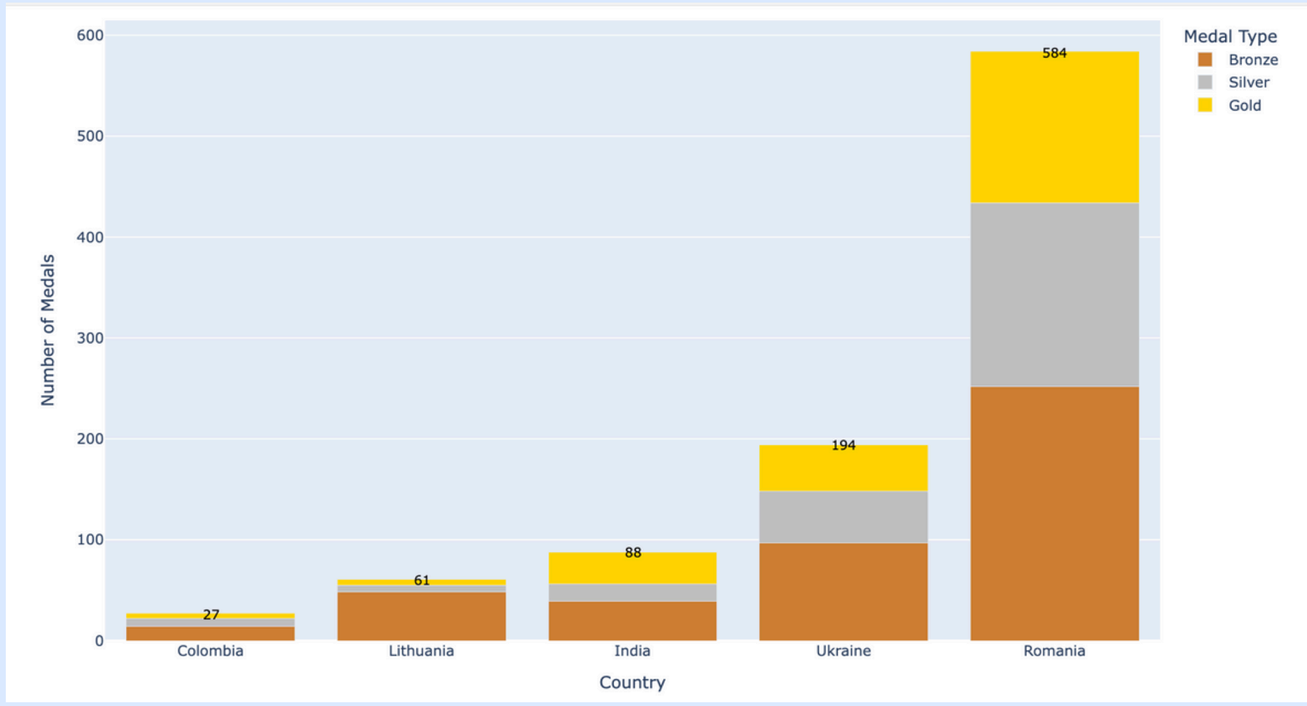
STACKED BARPLOT

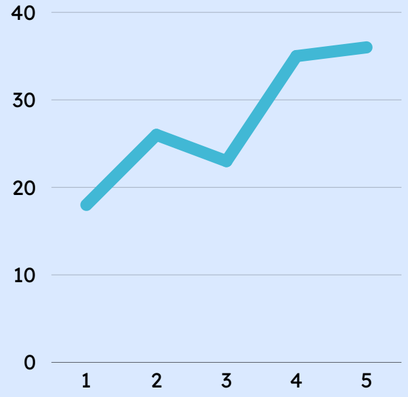
NUMBER OF MEDALS WON BY SELECTED COUNTRIES





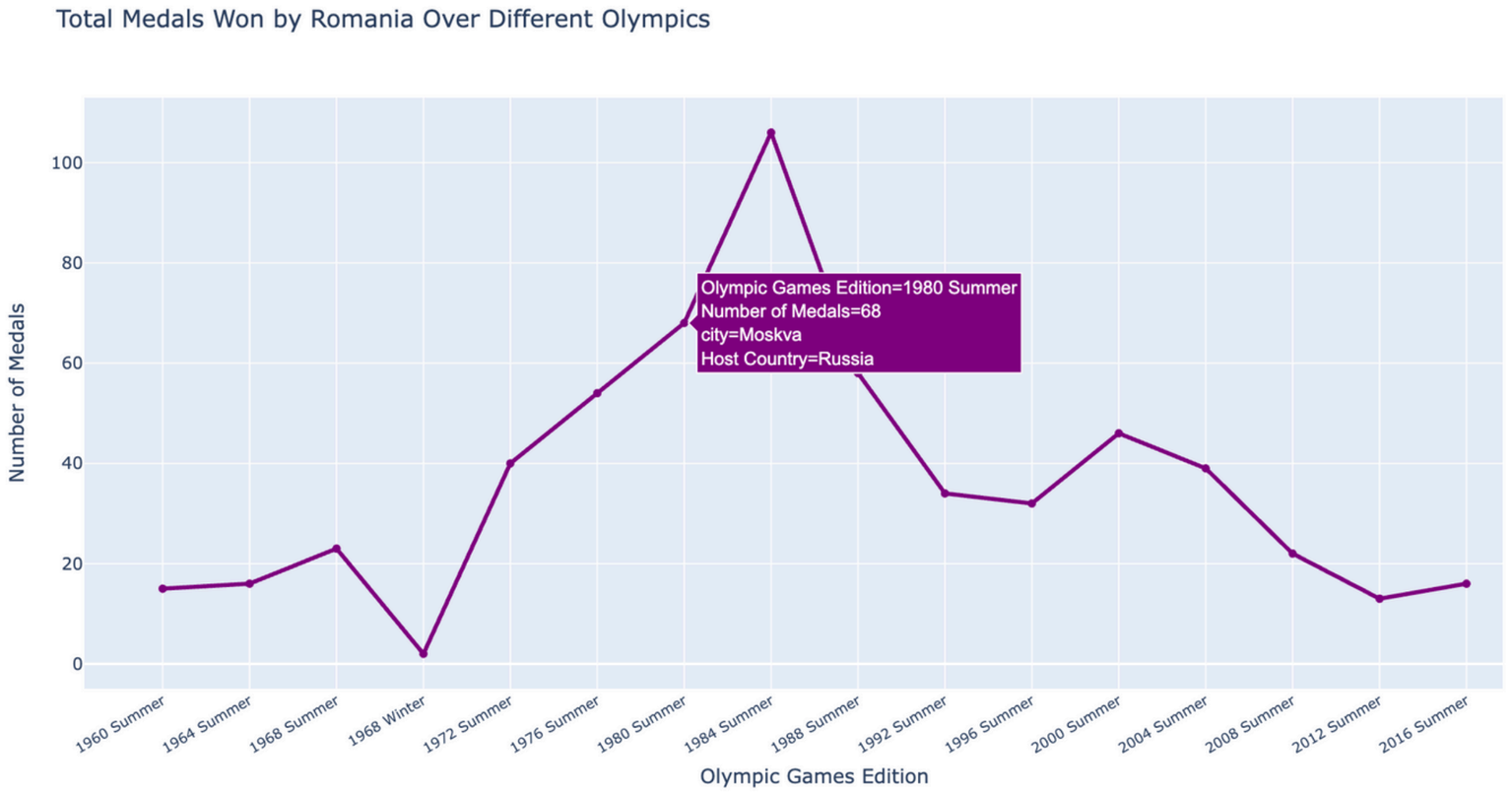






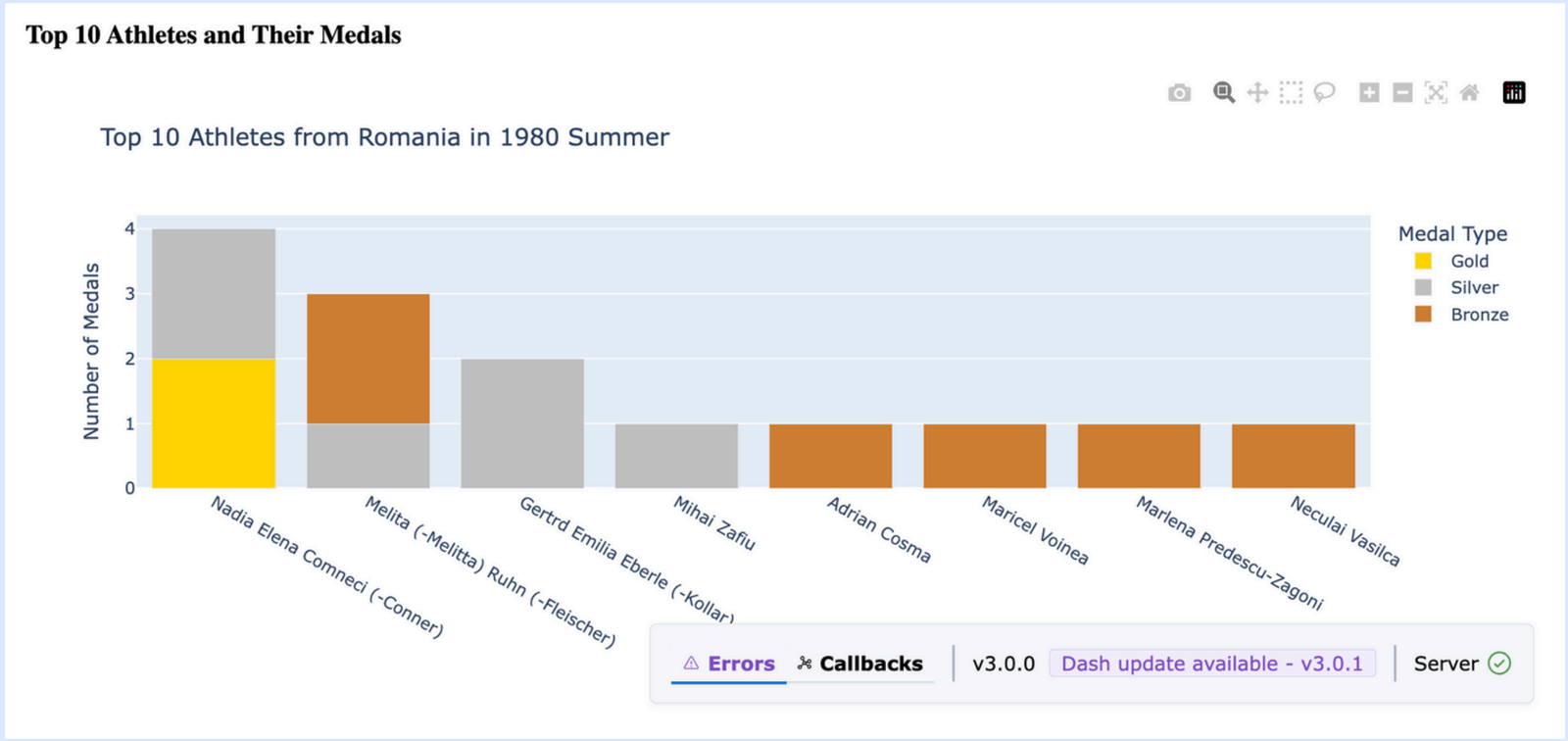
GAME'S LINEGRAPH

NUMBER OF MEDALS WON PER OLYMPIC GAME BY SELECTED COUNTRY



ATHLETES STACKED BARPLOT

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



QUESTION 2

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

GRAPH 1

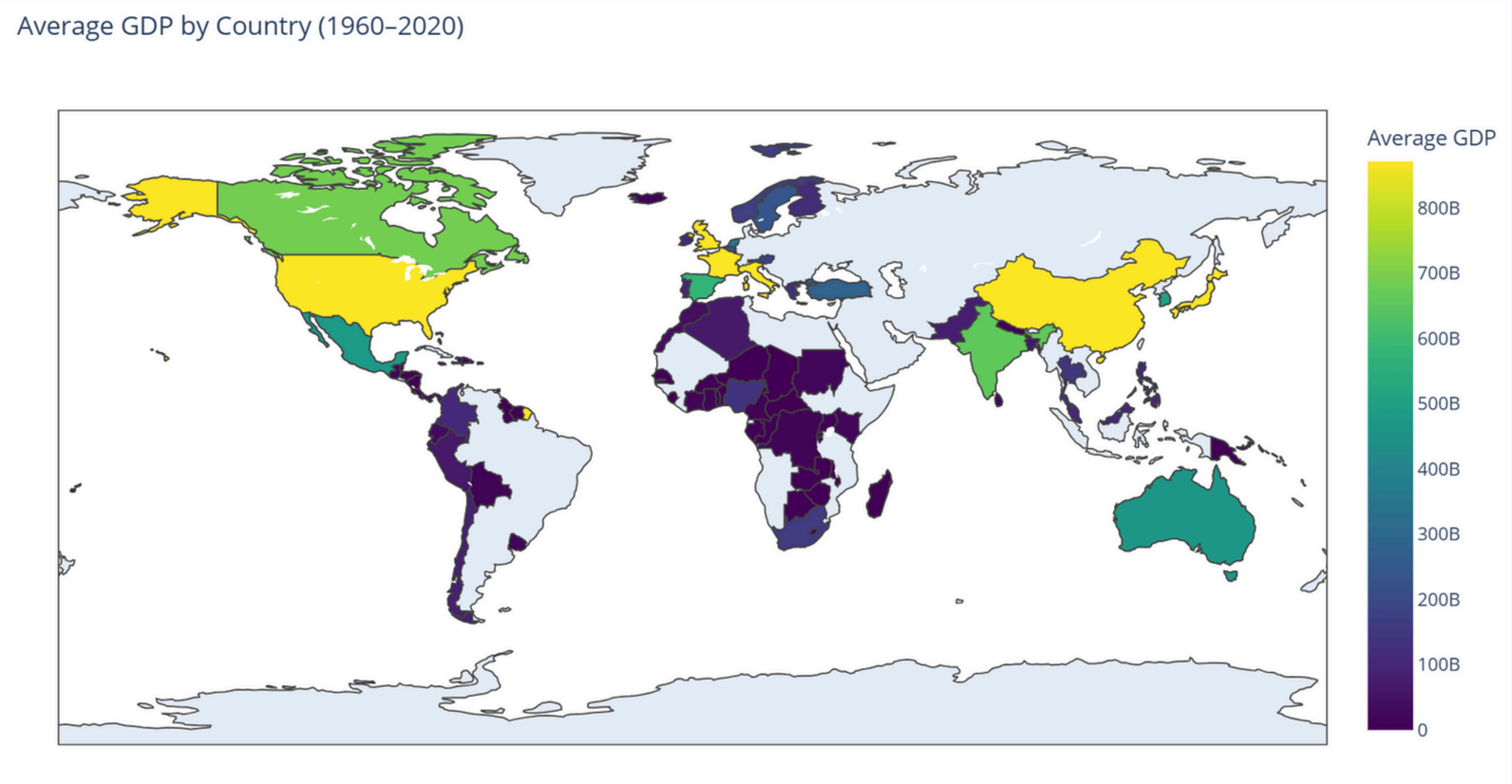
INTERACTIVE WORLD MAP WITH AVERAGE GDP

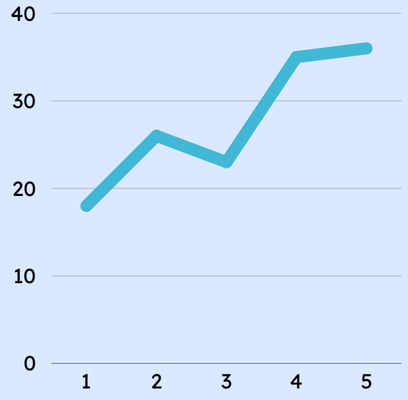
GRAPH 2

COUNTRY-SPECIFIC GDP CHARTS WITH OLYMPIC HOST YEARS

INTERACTIVE WORLD MAP

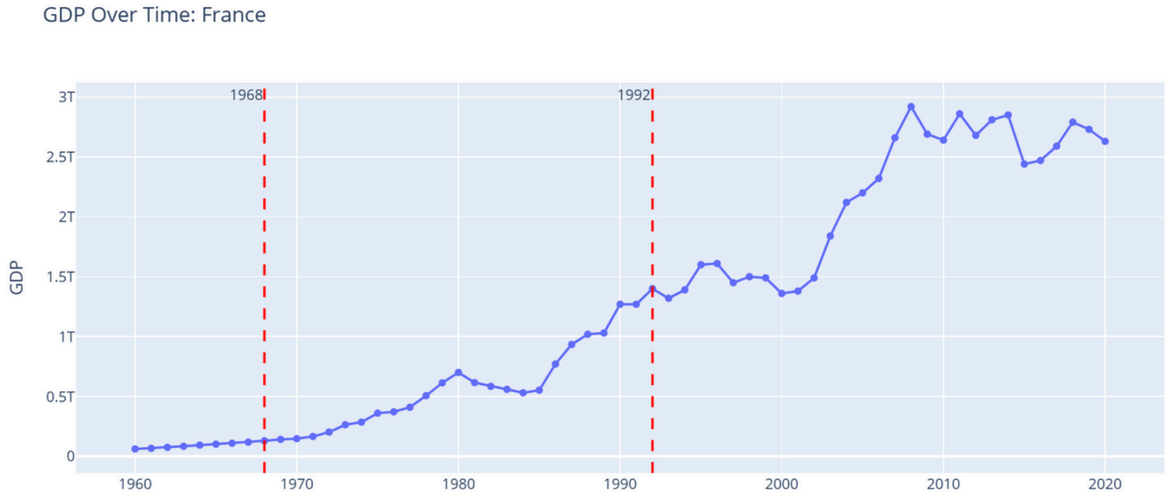
COUNTRIES AND THEIR AVERAGE GDP

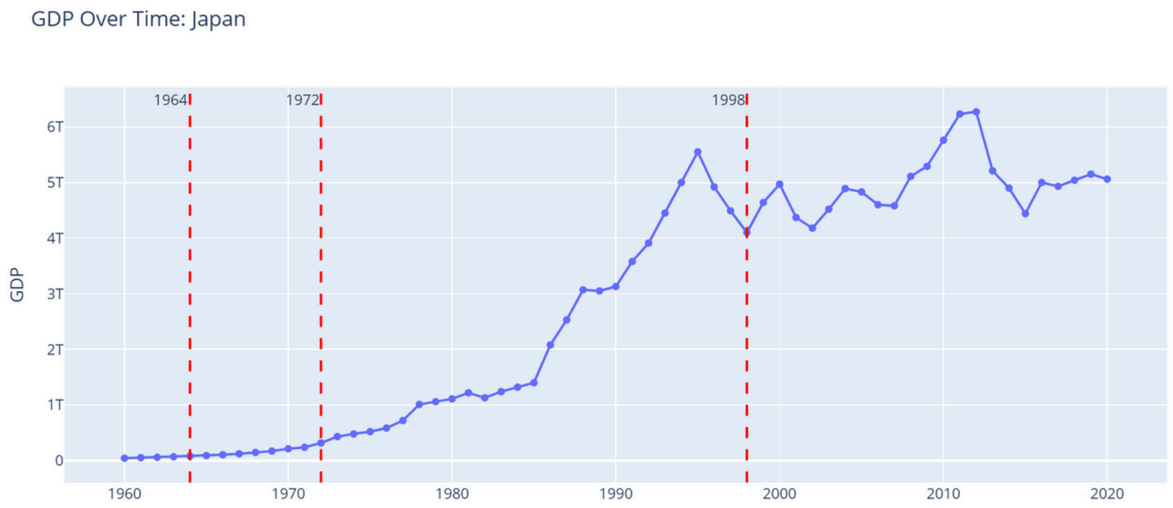




GDP LINE CHARTS

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





QUESTIONS?