

TREE-RESTRIAL

AWAKENING A FOREST REVOLUTION,
IGNITING GLOBAL IMPACT

TEAM MEMBERS



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INTRODUCTION





Sustainable Development Goals (SDGs)

13 CLIMATE ACTION



COMBAT CLIMATE
CHANGE

15 LIFE ON LAND



PROTECT, RESTORE, AND
PROMOTE





GOAL 13: CLIMATE ACTION

Take urgent action to protect, restore, and promote sustainable terrestrial ecosystems, manage forests, combat desertification, and reverse land degradation.





GOAL 15: LIFE ON LAND

Goal 15 is about conserving life on land by protecting and restoring terrestrial ecosystems, managing forests, combating desertification, and halting and reverse land degradation and stopping biodiversity loss. Human activities have profoundly altered most terrestrial ecosystems, with 40,000 species at risk of extinction, 10 million hectares of forest being destroyed each year, and more than half of key biodiversity areas remain unprotected.



PROBLEM STATEMENT

- URBANIZATION
- GLOBAL WARMING
- GLOBALIZATION
 - ECONOMIC SPECIALIZATION
 - DECREASED BIODIVERSITY





SIGNIFICANCE OF THE PROPOSED TOPIC

The planned initiative aims to solve this issue and assist in facing country's environmental issues. It is important to the;

- Community and its people,
- The Government and The Department of Environment and Natural Resources (DENR),
- and Future Researchers.





Methods

The researchers will employ statistical analysis to gather and analyze relevant data on deforestation, examining its connections to weather patterns, global warming, and other consequences.

Python will be the primary programming language used due to its flexibility and ability to handle complex datasets, facilitating improved classification and statistical analysis.





Expected Output

The objective of this research is to understand the relationship between deforestation and climate change by analyzing factual data. The findings will be used to evaluate the need for modifying deforestation rules and regulations, and to raise awareness of policies and recommendations. The outcomes of the research will provide insights into the impact of global tree loss on weather and natural resources, informing inclusive strategies for national development and contributing to the achievement of Sustainable Development Goals 13 and 15.

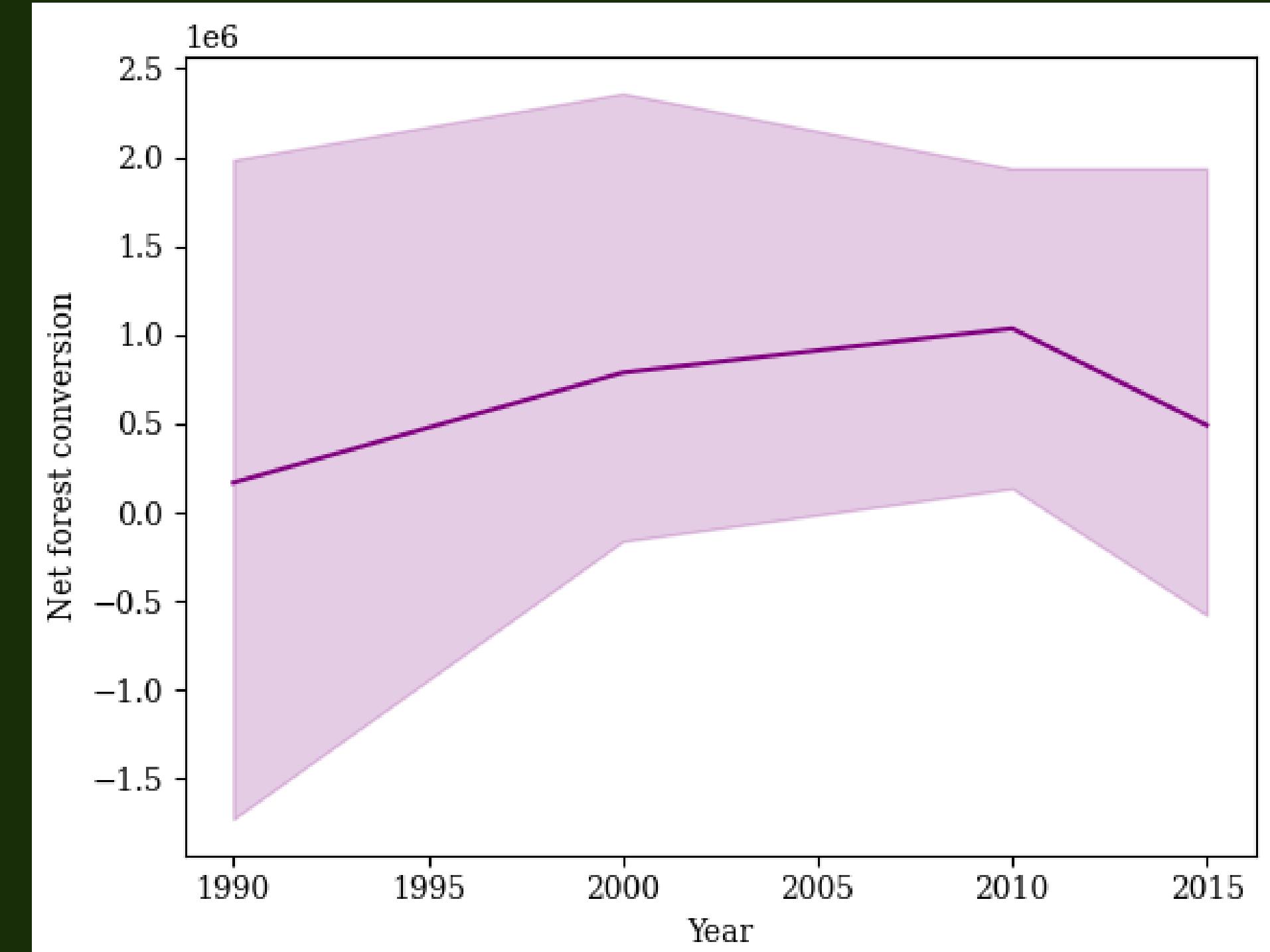


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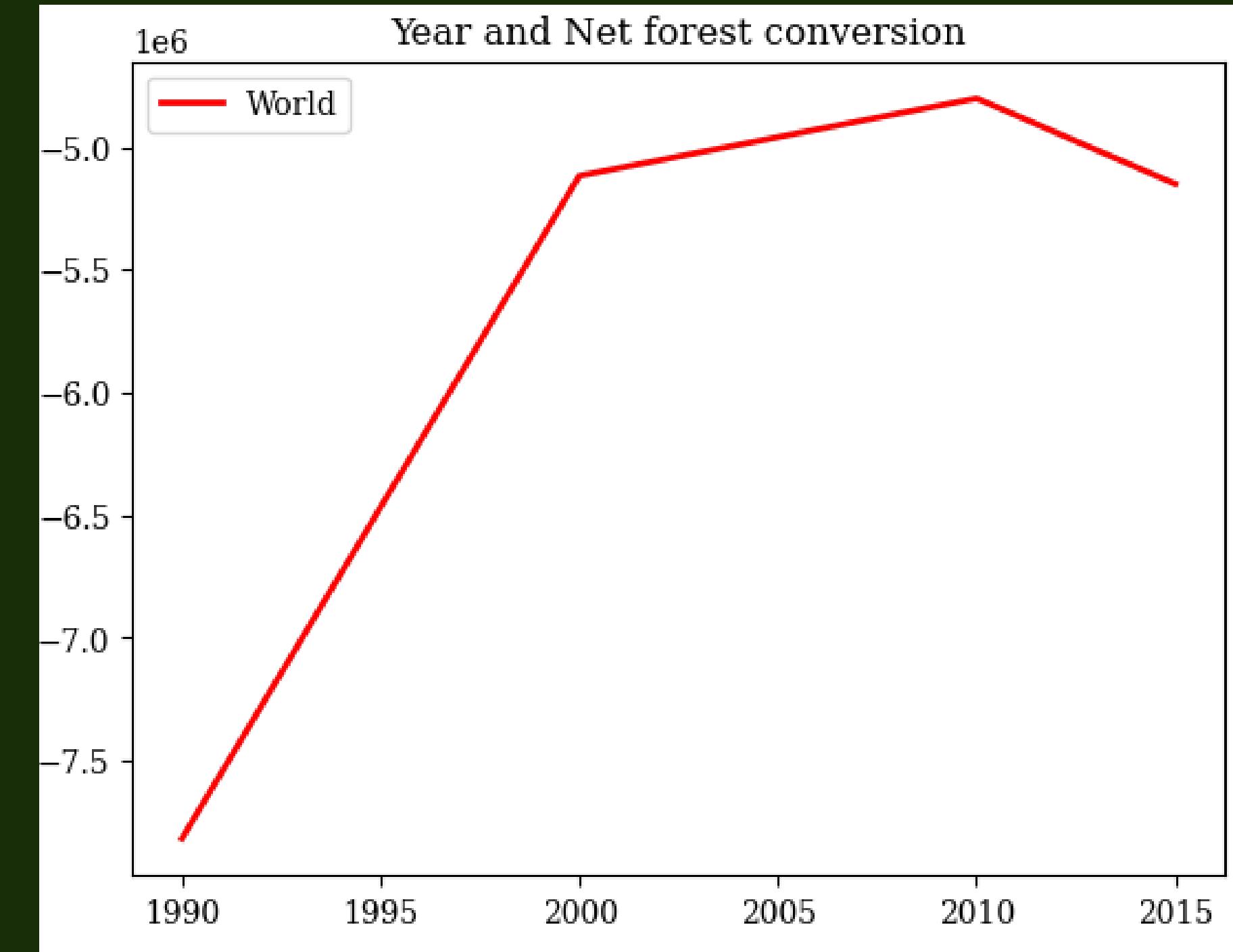


SEABORN LINEPLOT OF FOREST CONVERSION



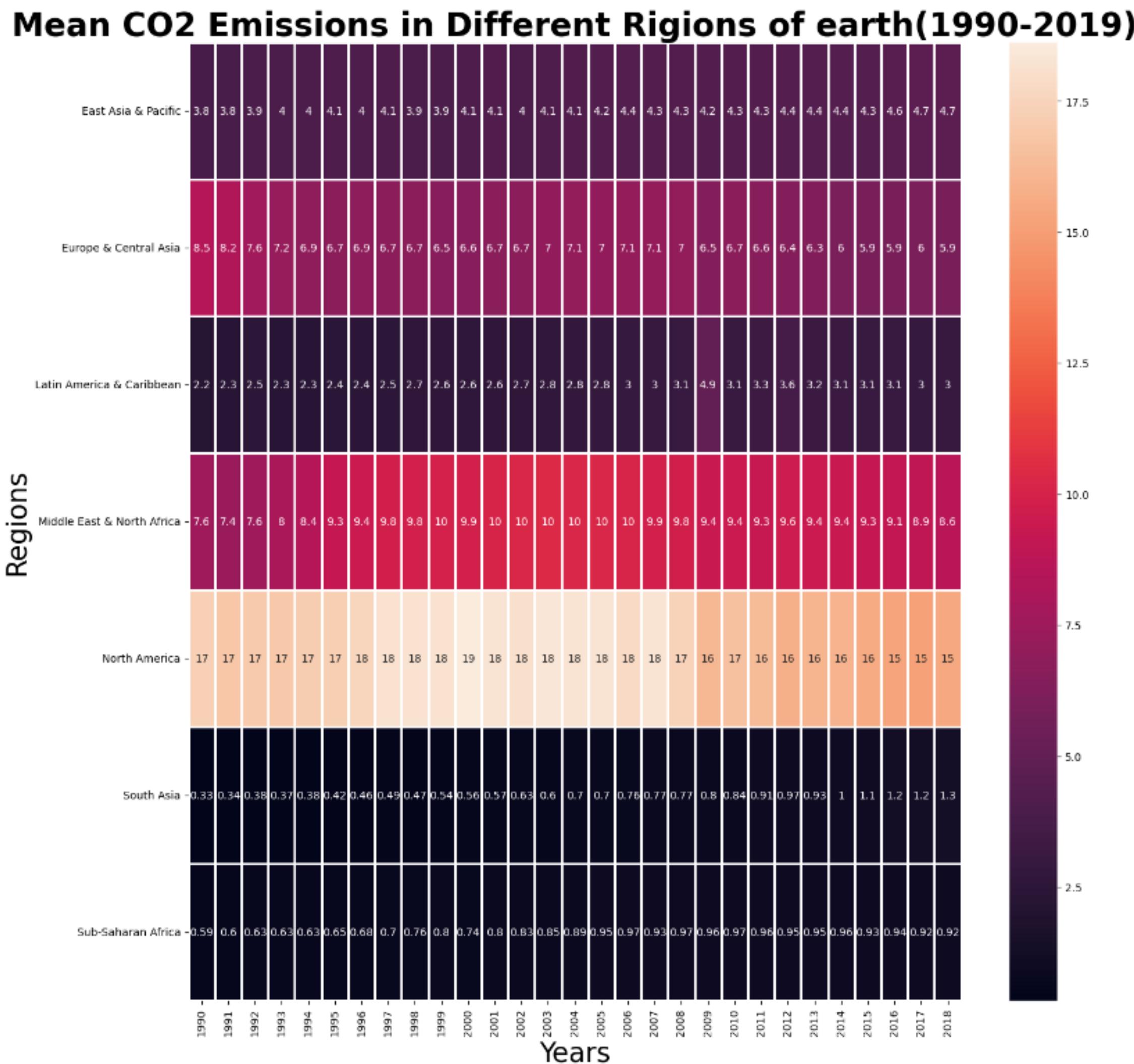


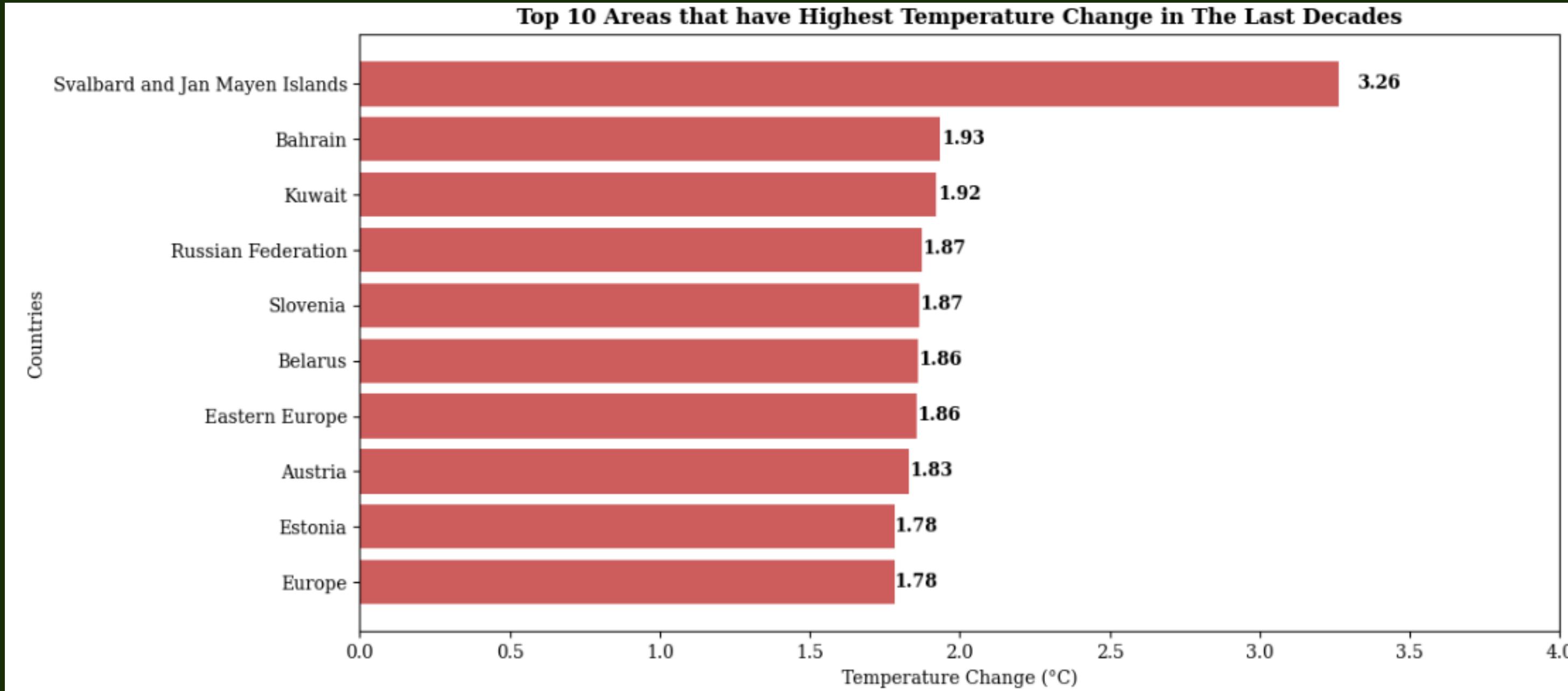
WORLDS NET FOREST CONVERSION FROM 1990-2015





CO2 EMISSIONS FROM 1990-2019

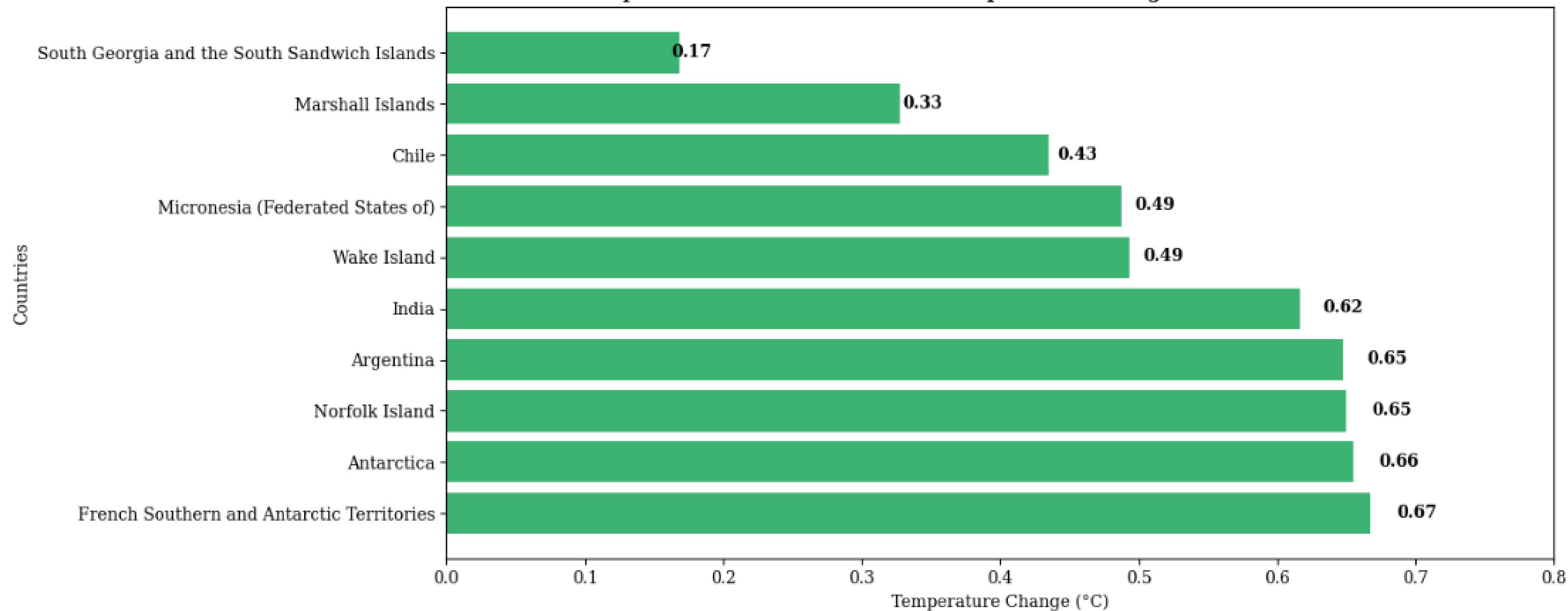




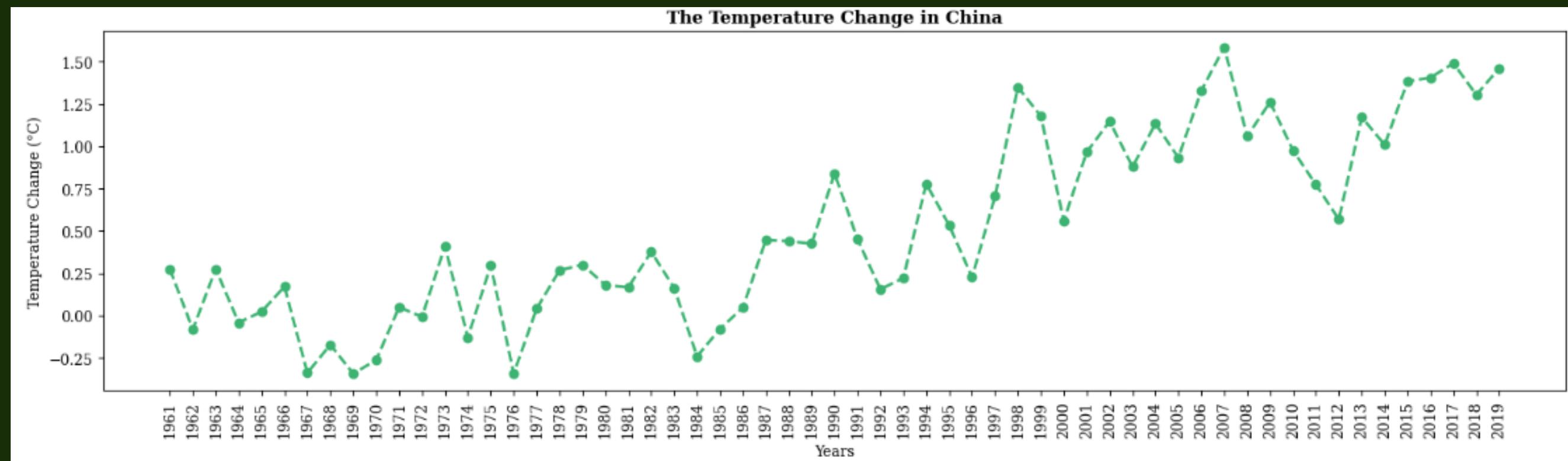
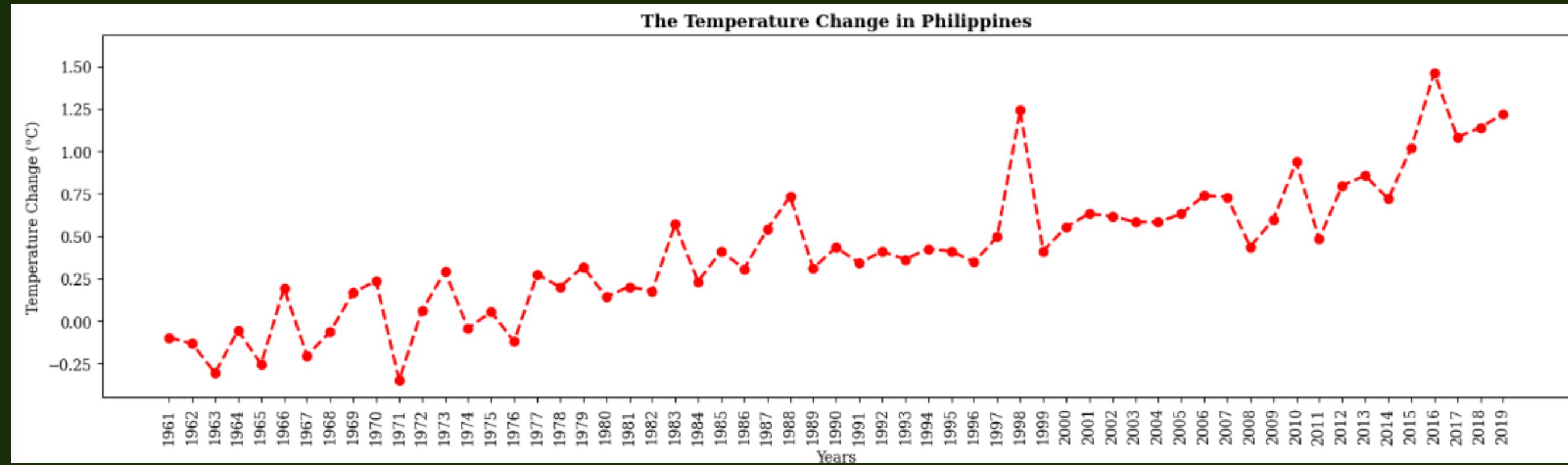
**10 COUNTRIES WITH HIGHEST
TEMPERATURE CHANGE**



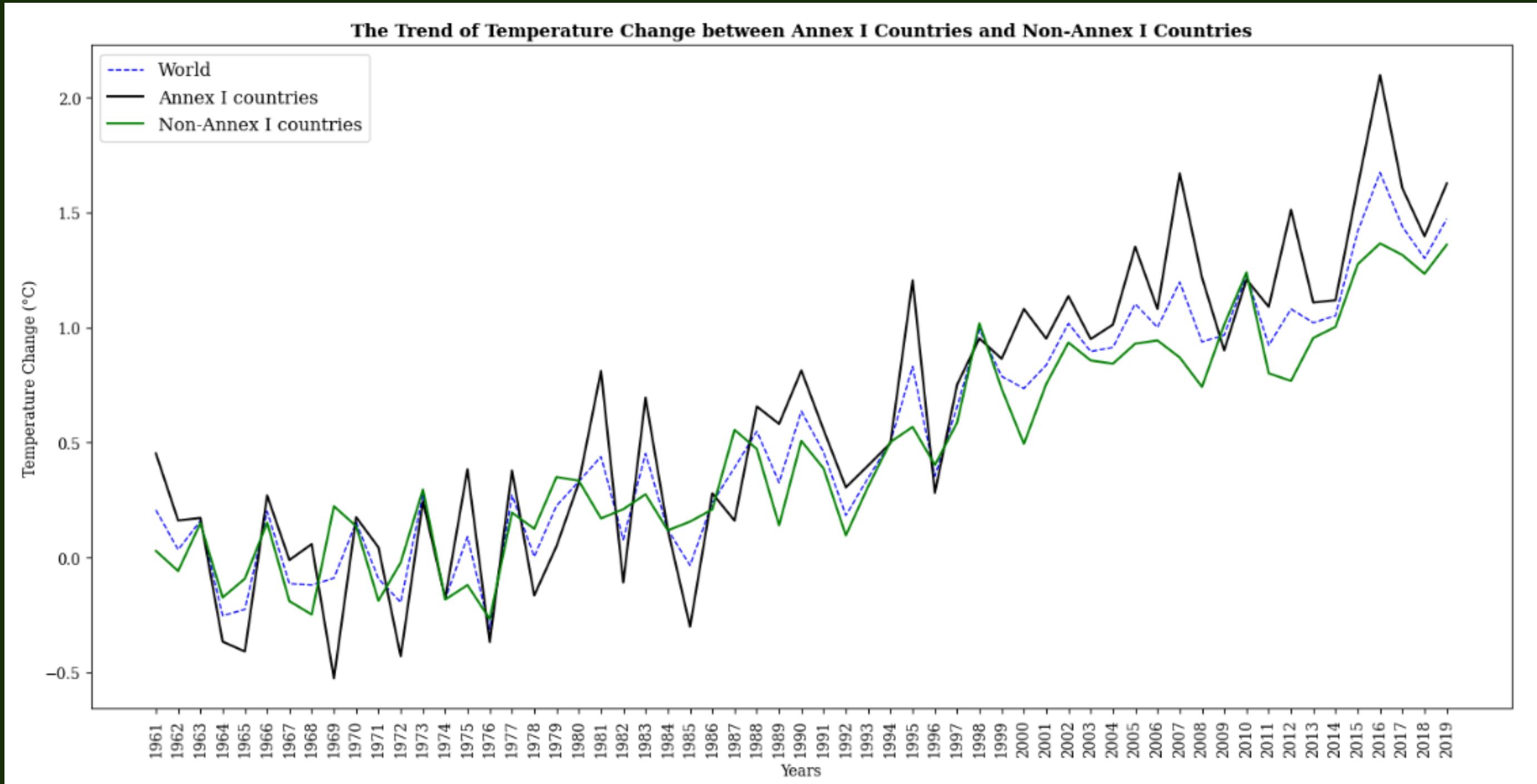
Top 10 Areas that have Lowest Temperature Change in The Last Decades



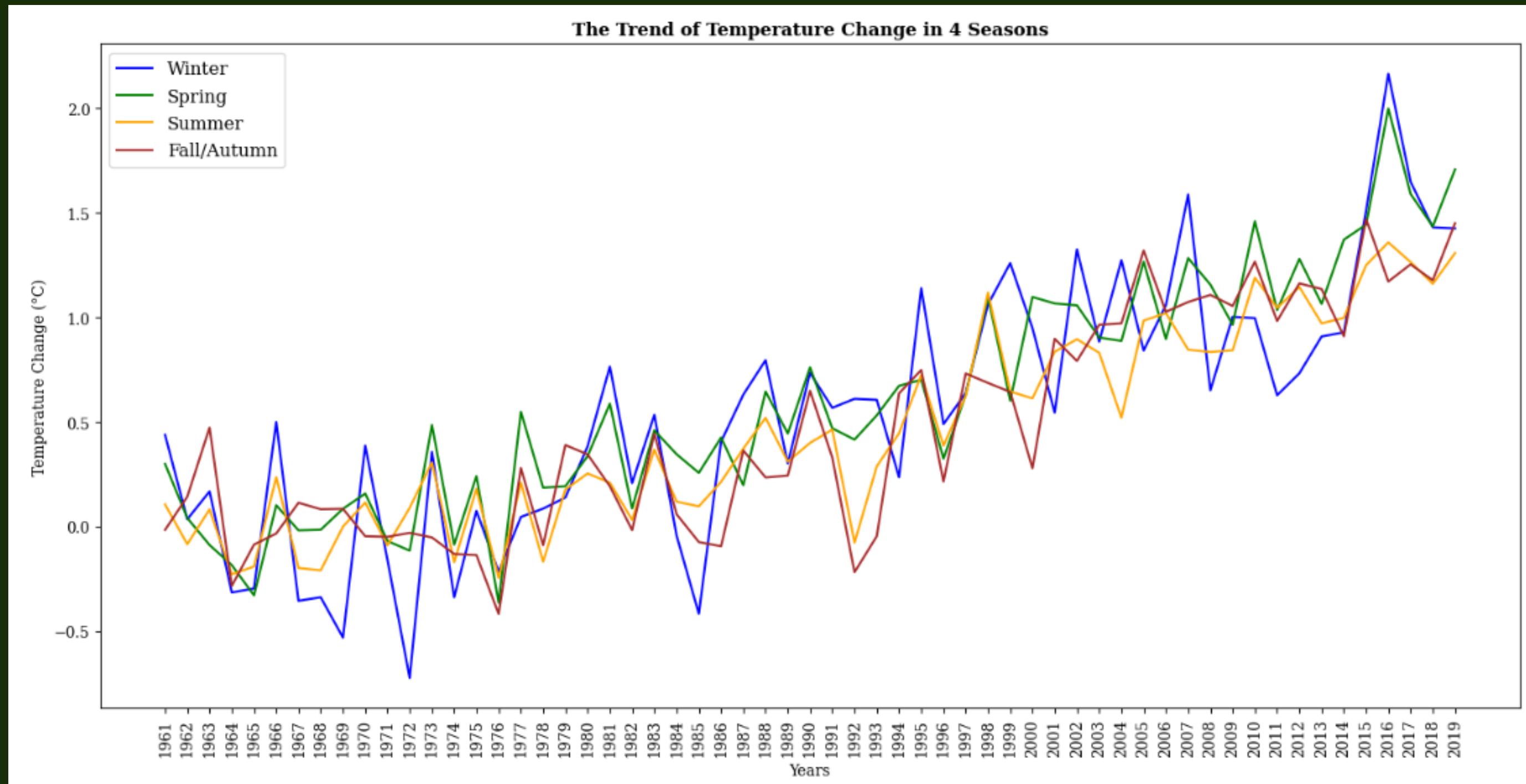
10 COUNTRIES WITH LOWEST TEMPERATURE CHANGE



COMPARISON BETWEEN THE PHILIPPINE AND CHINA'S TEMPERATURE CHANGE



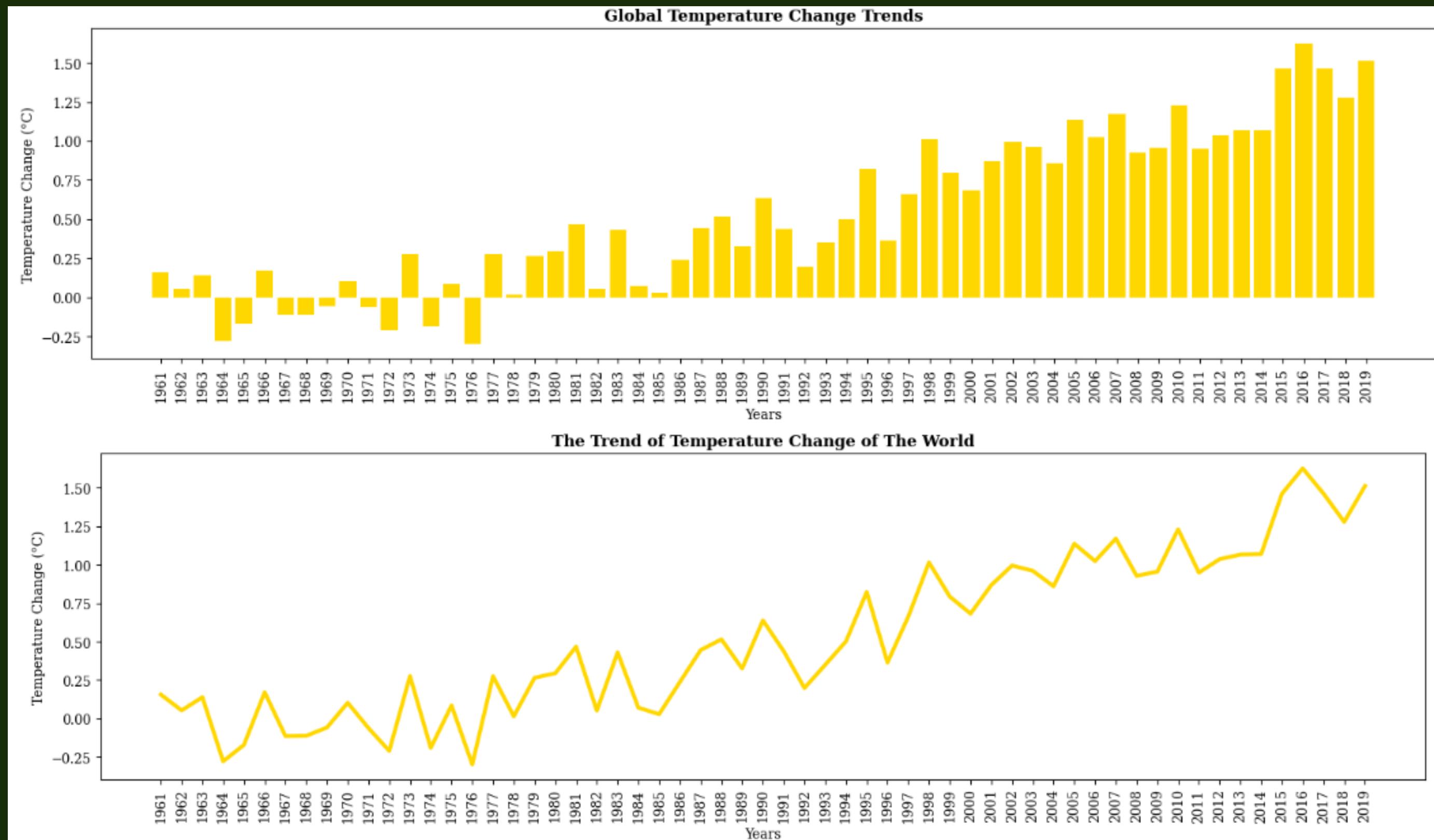
**TEMPERATURE CHANGE BETWEEN DEVELOPING,
UNDERDEVELOPED COUNTRIES AND DEVELOPED OR
INDUSTRIALIZED COUNTRIES**

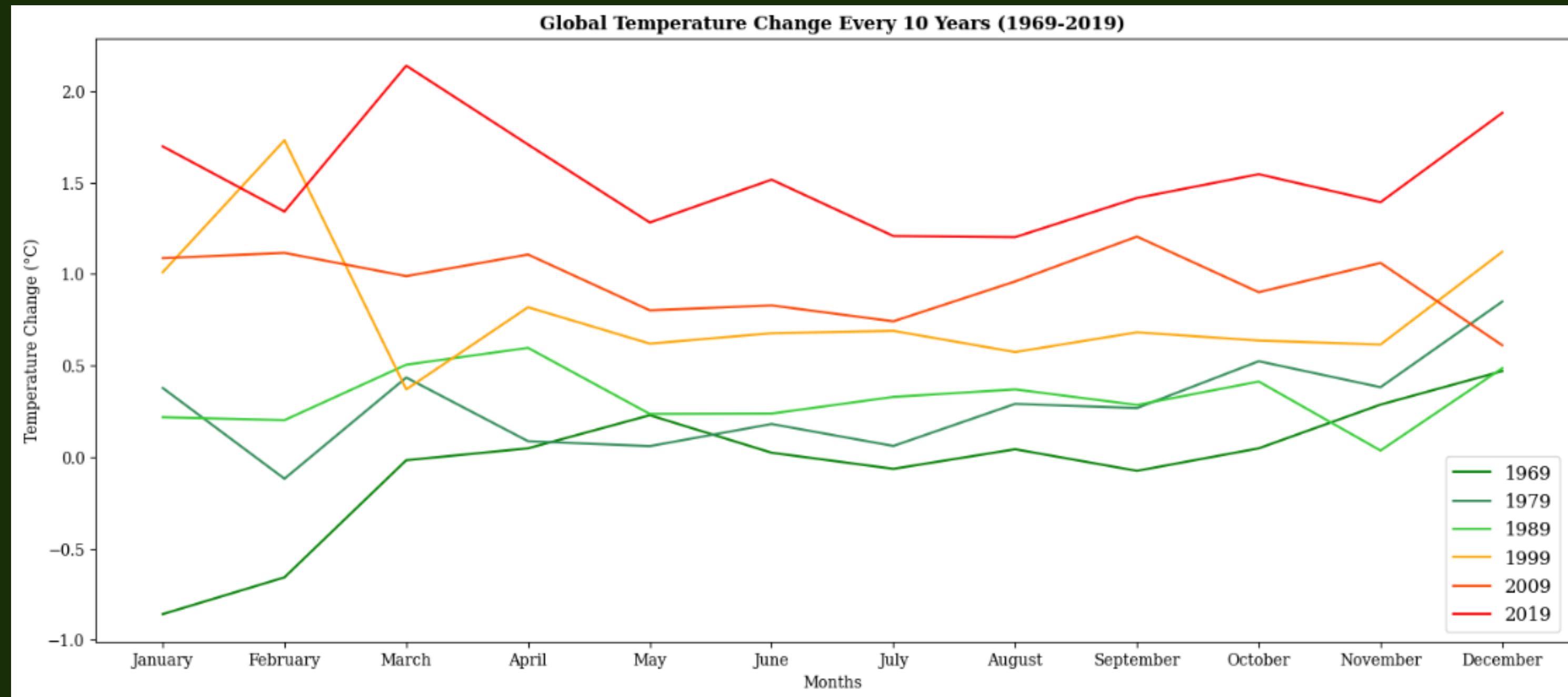


TEMPERATURE CHANGE IN 4 SEASONS

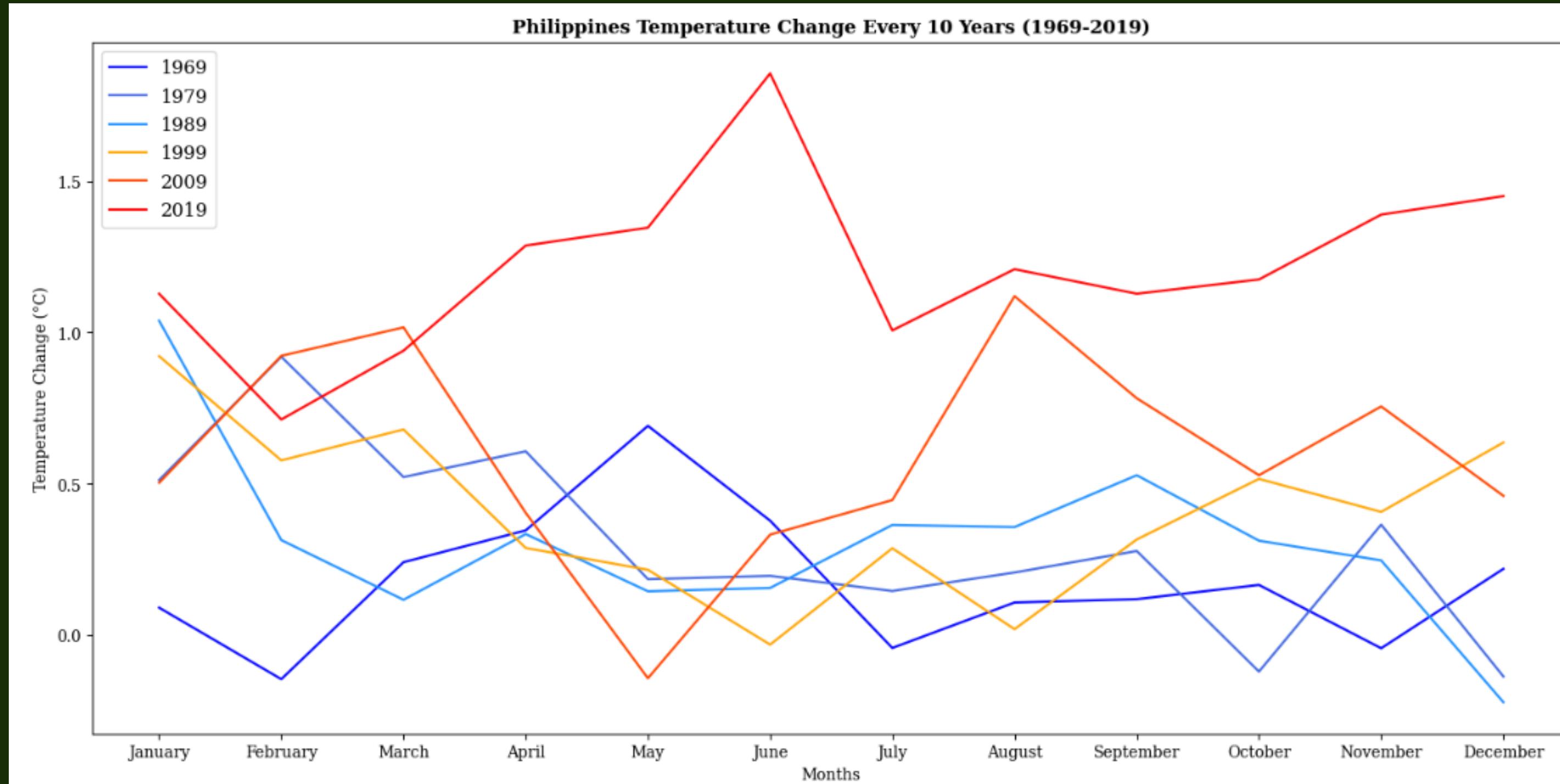


GLOBAL TEMPERATURE CHANGE TRENDS FROM 1961-2019





GLOBAL TEMPERATURE CHANGE EVERY 10 YEARS



PHILIPPINES TEMPERATURE CHANGE EVERY 10 YEARS