Africa Climate Change Data Visualization

This project focuses on visualizing climate change data specific to Africa. Using Python libraries like Matplotlib and Plotly, we aim to uncover trends and patterns in climate data across the continent.

Dataset Overview

- Dataset : Africa\_climate\_change.csv

{ <https://drive.google.com/file/d/1OpMcFl0xP7kvFr3Ljur2V_9SH5VhgLxl/view?usp=drive_link> }

- Source : The dataset provides climate data specific to Africa, including various climate indicators.

Project Objective

The objective of this project is to explore and visualize climate change data to better understand the impact of climate trends in Africa. The visualizations provide insights that can help in climate action and policy-making.

Tools Used

- Python

- Pandas

- Matplotlib

- Plotly

- Google Colab

Key Insights

1. Data exploration reveals key patterns in climate data across different regions of Africa.

2. Missing values were identified and handled.

3. Visualizations highlight the significant changes in climate over time.

How to Run the Project

1. Clone this repository to your local machine.

2. Install the necessary Python packages using `pip install -r requirements.txt`.

3. Run the provided Python script or Jupyter Notebook to generate the visualizations.

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