# Brisbane Climate Trends Analysis (2015-2024)

1. Project Overview

This project analyzes climate trends in Brisbane, Australia, over the past 10 years (2015-2024), focusing on average temperature and rainfall changes.

1. Goals

* Investigate yearly and seasonal trends in average temperature and rainfall.
* Visualize climate data for better insight.
* Identify any anomalies or notable shifts in climate.

1. Technologies Used

* Python: Data analysis and visualization.
* Pandas: Data cleaning and manipulation.
* Matplotlib / Seaborn: Visualization.
* Jupyter Notebook: Code documentation and execution.

1. Data Source

* Bureau of Meteorology (BOM) - Australia: [https://www.bom.gov.au](<https://www.bom.gov.au>)

1. Key Visualizations

* Yearly average temperature and rainfall chart.
* Monthly trends comparison (e.g., hottest month).

1. Folder Structure

* Brisbane-climate-analysis/
* Data/ <- Raw and processed CSV data
* Notebooks/ <- Analysis code (Jupyter notebook)
* Figures/ <- Visualization images
* README.md <- Project description
* Requirements.txt <- List of used packages