

The purpose of this report is to present a model for predicting daily rainfall using open meteo data. The model was trained on a dataset consisting of daily weather data. The model's performance was evaluated using mean squared error, R2 score, and accuracy. This report also provides information on the model architecture and conclusions on the model's performance. The data used to train the model was sourced from an open meteo database and included daily weather information such as temperature, humidity, wind speed, and precipitation.

The model was trained using Lasso Regression and Random forest. The model was evaluated using mean squared error, R2 score, Adjusted R2 score. The results showed that the model had an overall Adjusted R2 score of 0.63. This indicates that the model is able to predict daily rainfall accuracy of 63%.

In conclusion, this report has presented a model for predicting daily rainfall using open meteo data. The **Random Forest model** was trained on a dataset consisting of daily weather data and had an **Adjusted R2 score of 0.63**. This indicates that the model is able to accurately predict daily rainfall.