MOISTURE MINDS

★★★★★

Work by
Moist Comrades

PARSEC
-IITDH Tech Fest

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Objective

The purpose of this project to predict the soil moisture levels for March 2023 ,using data from past 8 months .This helps in predicting the atmospheric conditions.

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Description

Our algorithm accepts the data, normalises it, makes the necessary adjustments, and produces results that are appropriate.

Library Used

Numpy
Matplotlib
Pandal
Tensorflow
Seaborn
Sklearn

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"To read and clean the given exoplanet data, we utilized PANDAS"

The dataframe was cleaned up by removing empty columns and filled the empty data with average values and we normalizied for better results

The first approach was linear regression.

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The second approach was polynomial.

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The final approach was Time series analysis.

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We have several limitations with the previous two methods.

Thus, we chose the time series analysis method above the other two methods.

We eliminated irregularities by employing the time series analysis method, which also matches with seasonality and cyclical behaviour. As a result, we determined that time series analysis is the best approach for this one.

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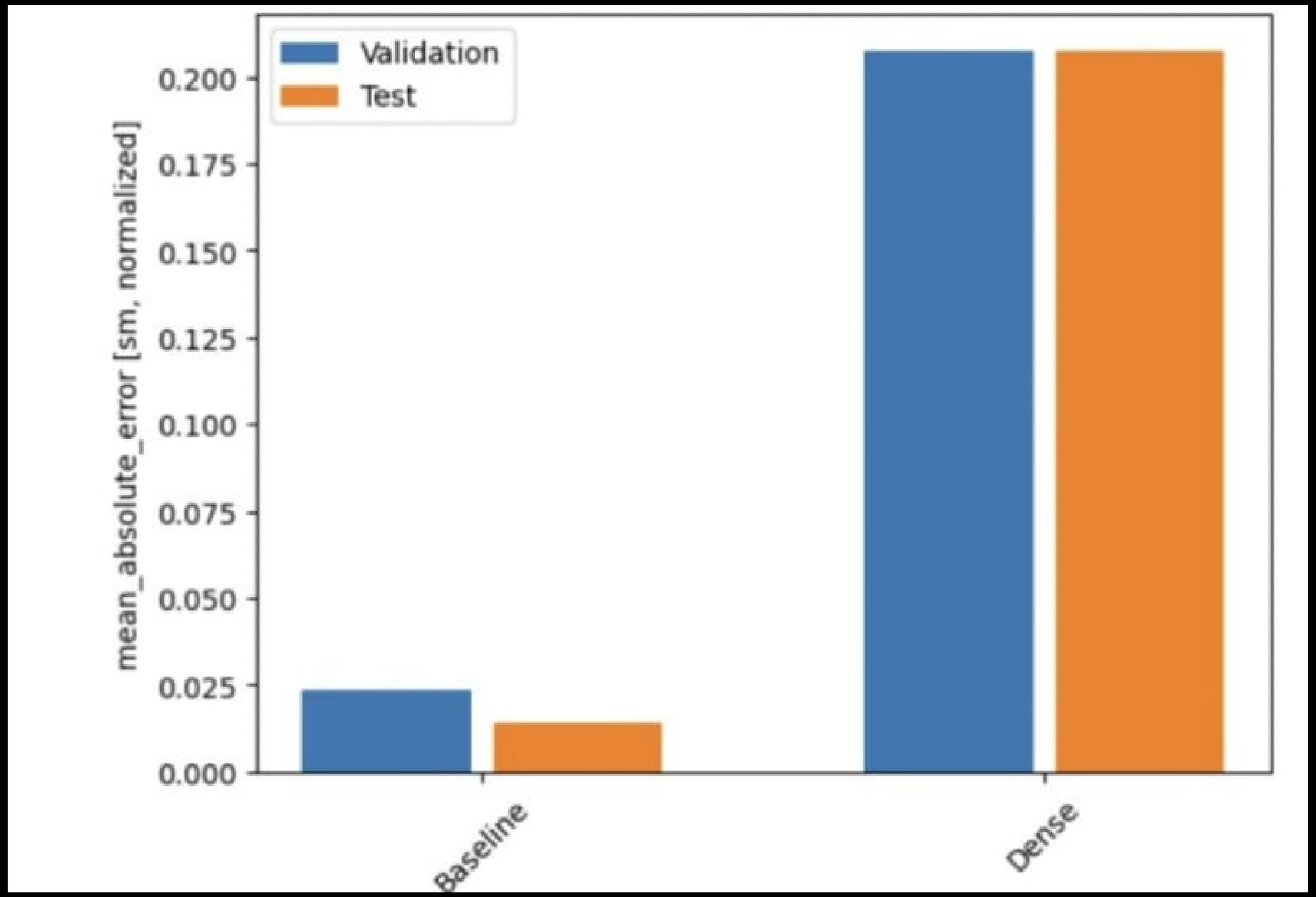

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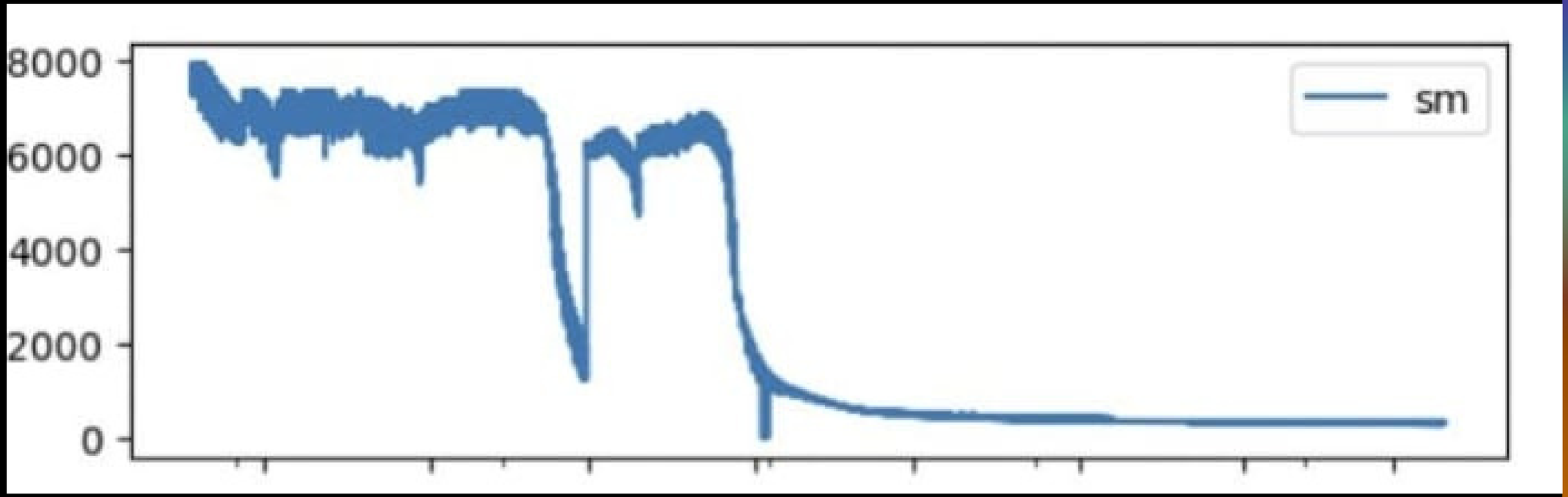

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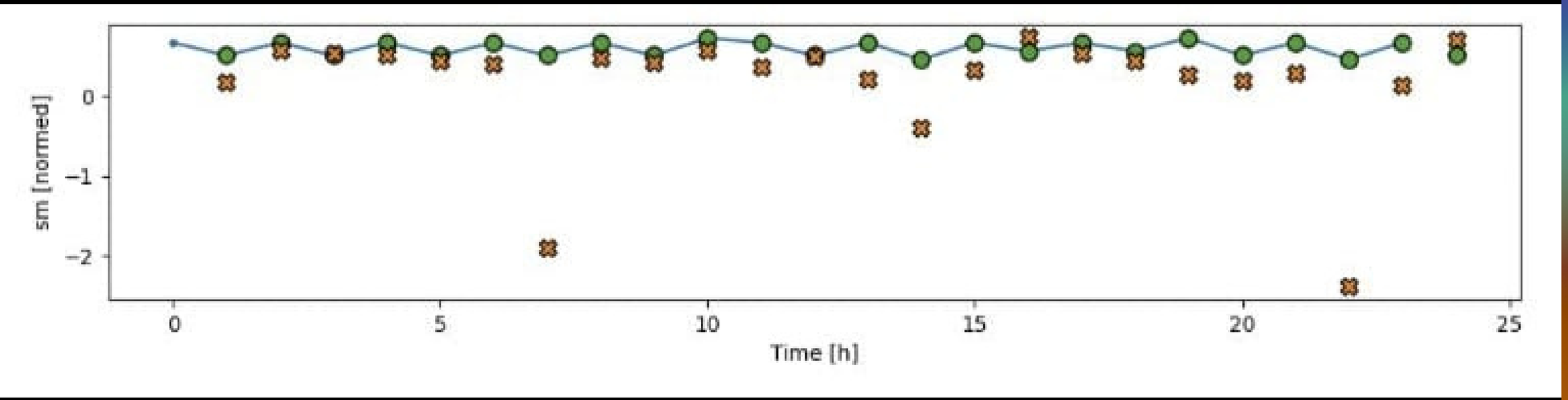

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