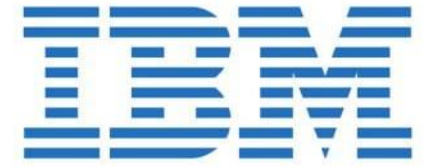


IBM Z DATATHON 2024



Electrical Energy Consumption prediction in buildings

TEAM NAME : **Error 404**
TEAM NUMBER : **SAV 54**



Electrical Energy Consumption prediction in buildings

Abstract:-

- The increasing demand for electrical energy coupled with inefficient consumption of technologies leads to higher costs and environmental impact.

Data Sources:-

- We searched datasets through Kaggle (<https://www.kaggle.com/datasets/fedesoriano/electric-power-consumption>).

Solution:-

- We developed a model that predicts electrical energy consumption, allowing user to optimize usage by identifying patterns and suggesting energy-saving measures.

Tech in IBM LinuxOne:-

- We used Jupyter Notebooks on LinuxOne which is much useful in programming as well as the execution time is faster than other Editors.



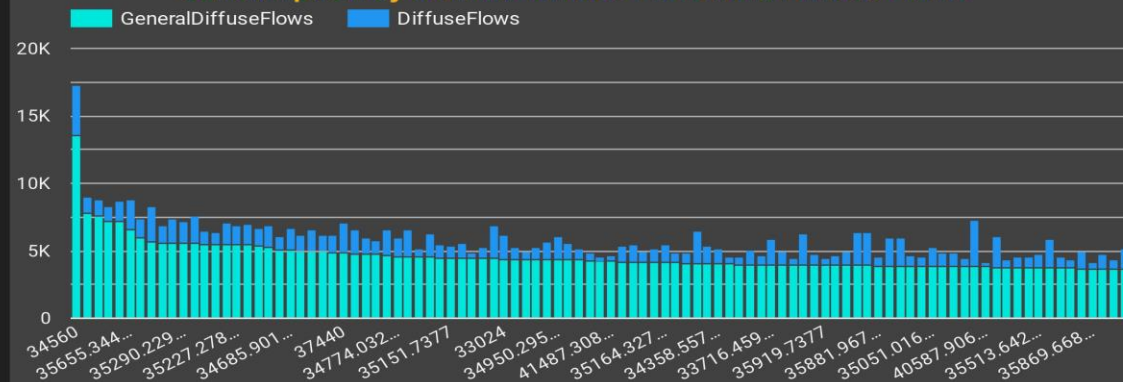
REPORT

Record Count
52,416

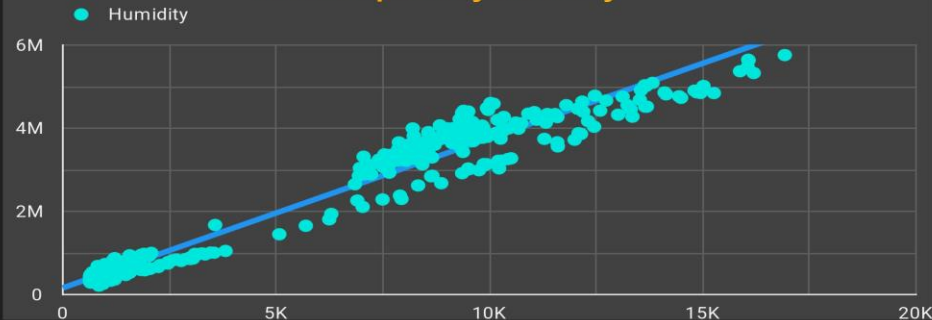
Temperature
985.9K

Consumption
1.7B

Consumption by General Diffuse Flows and Diffuse Flows



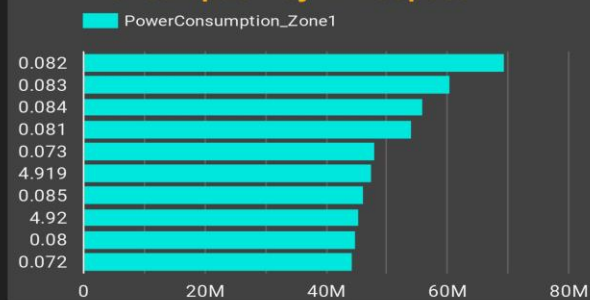
Consumption by Humidity



Consumption by Temperature



Consumption by Windspeed



Consumption by Date

