

Facility electricity demand forecasting using multiple sensors and visualization of local explanations of the model

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1

LSTM [1] Transformer [2]

[3]

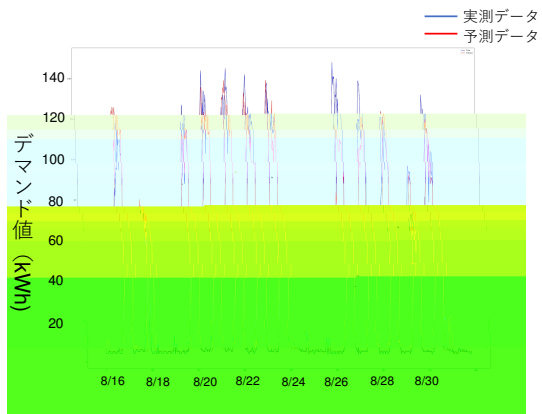
46

CO2
CO2

2

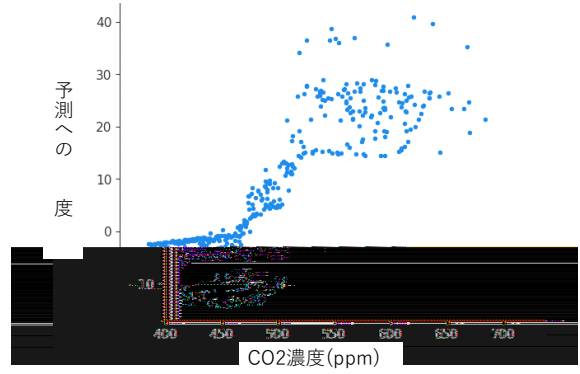
2) MAE() RMSE() MAPE()

1



2:

| 1: | |
|------|--------|
| | 1 |
| R2 | 0.945 |
| RMSE | 10.883 |
| MAE | 5.425 |
| MAPE | 0.334 |



3: CO2

SHAP

CO2

CO2

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3.4 SHAP

3.3

SHAP

CO2

CO2
ppm

SHAP

3

500

CO2

4