Transformer Oil Temperature Prediction

The task involves predicting the hourly oil temperature (OT) of electric transformers based on historical load data, without using oil temperature information from any previous time point.

How to Run This Project

Follow these steps to set up the environment and run the analysis.

1. Prerequisites

* Python 3.11 or higher

2. Setup and Installation

Install all of this library using pip install

scikit-learn catboost lightgbm xgboost pandas numpy matplotlib seaborn optuna tensorflow

3. Running each ipynb files

Go to code folder and you can run all of the code there. Alternatively, you may also load the model from our google drive. Please make sure that your dataset filename is in a correct folder when importing. As a sidenote, you may refrain from using "/" in your model filename code since it can lead to errors.