

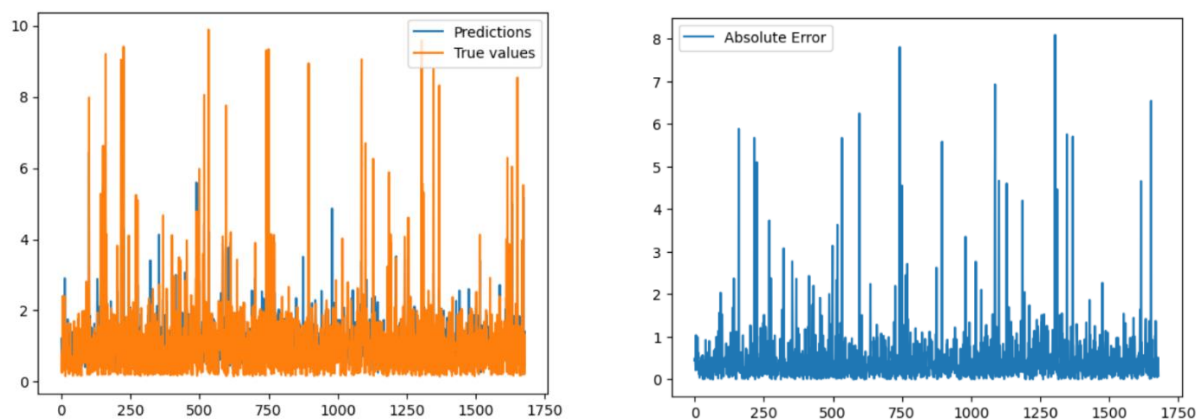
Predicting energy usage

Michael Kevin Karlson, Alo Martin Pallase?, Kristofer Klassen?

Data was collected from Kaggle and the dataset contains information about the weather and electricity price.

The goal was to predict the energy usage for a certain household so that energy companies can better predict the total need of electricity.

The results



Our models MAE(mean absolute error) was 0.47 which was not very good. We did find out that most variables (wind direction, weather code, dew point) are not very important when predicting energy usage, while the price of electricity and the temperature are important.

Creating the model I also added a binary variable that shows if it is a workday or not, which improved the prediction by a little bit.

Repository: <https://github.com/ukawaii/Sissejuhatuse-andmeteadusese---project>