Description of work – Neural network submission phase

This document will be divided into several parts.

Part 1 – Description of data cleaning:

The cleaning process starts with cleaning the energy dataset, then the weather dataset and then merging them.

In the first phase, I dropped columns that I won't be using, transformed dates into readable ones and interpolated missing values linearly (for now).

In the second phase, I again transformed dates into readable ones, I also dropped duplicate rows in the dataset and features that I won't be using. Also, I removed values that were wrong and finally, interpolated values linearly.

In the Final phase described above, I divide the data by city and then merge the two datasets.

Part 2 – Description of models:

Part 3 – Results:

Part 4 – Comparison to a naïve model:

Part 5 – Initial attempts: