

Problem statement formation

Use ML model to predict the electric volume of NY state and compare the result with NYISO score.

Context

We will use Gradient-boosted regressor to do this predict while NYISO use Neural Network Regressor. After all, we will compare the result.

Criteria for success

The mean absolute percentage error (MAPE) which we predict has closer to the ISO 's results. (Less than 1 percentage difference)

Scope of solution space

In this project, only the NY state's electronic consumption will be predicted. Furthermore, the other metropolitan cities could be applied this model smoothly under some circumstance.

Constraints

The more accurate data will generate by the NY state's electronic power department.

Stakeholders

NY state's electronic power department and the generator firms.

Data sources

<http://mis.nyiso.com/public/P-58Blist.htm>