

Using Neural Network for Prediction of Required Electrical Energy¹

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Abstract

The purpose of this research is to develop an evolutionary method to predict the required amount of electricity in regions, or other places using Back propagation Neural Network (BNN). The data were used for required electrical energy in a certain electrical company in Sweida region during 38 weeks. The obtained information was used to train a neural network. According to this research we can notice the change of graphic lines of required electrical energy, used regularly during 24 hours, in advance of nine months. We also noticed the widest level of the evenings spent electricity. Results of this scientific research showed that, after comparing predictive and real figures, the predictor gives the most inquired accuracy, Which is enough for the practical application.

¹ For the paper in Arabic see pages (179-201).

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