

# TIME SERIES ANALYSIS OF ELECTRICITY CONSUMPTION FORECASTING

## ABSTRACT:

For forecasting time series analysis, wide range of models are there with encouraging results. In the paper, ARIMA model was proposed to predict future electricity consumption.

I would like to use different models to predict future electricity consumption and compare among them with respect to their mean squared errors. The forecasting models: Persistence model, AR model, MA model, ARIMA model and artificial neural network (LSTM).

## REFERENCES:

<https://ieeexplore.ieee.org/document/9458543> : "Time Series Analysis of Electricity Consumption Forecasting Using ARIMA Model" by Meftah Elsaraiti; Gama Ali; Hmeda Musbah; Adel Merabet; Timothy Little