

Machine Learning Models Application in Daily Forecasting of Hourly Electricity Usage

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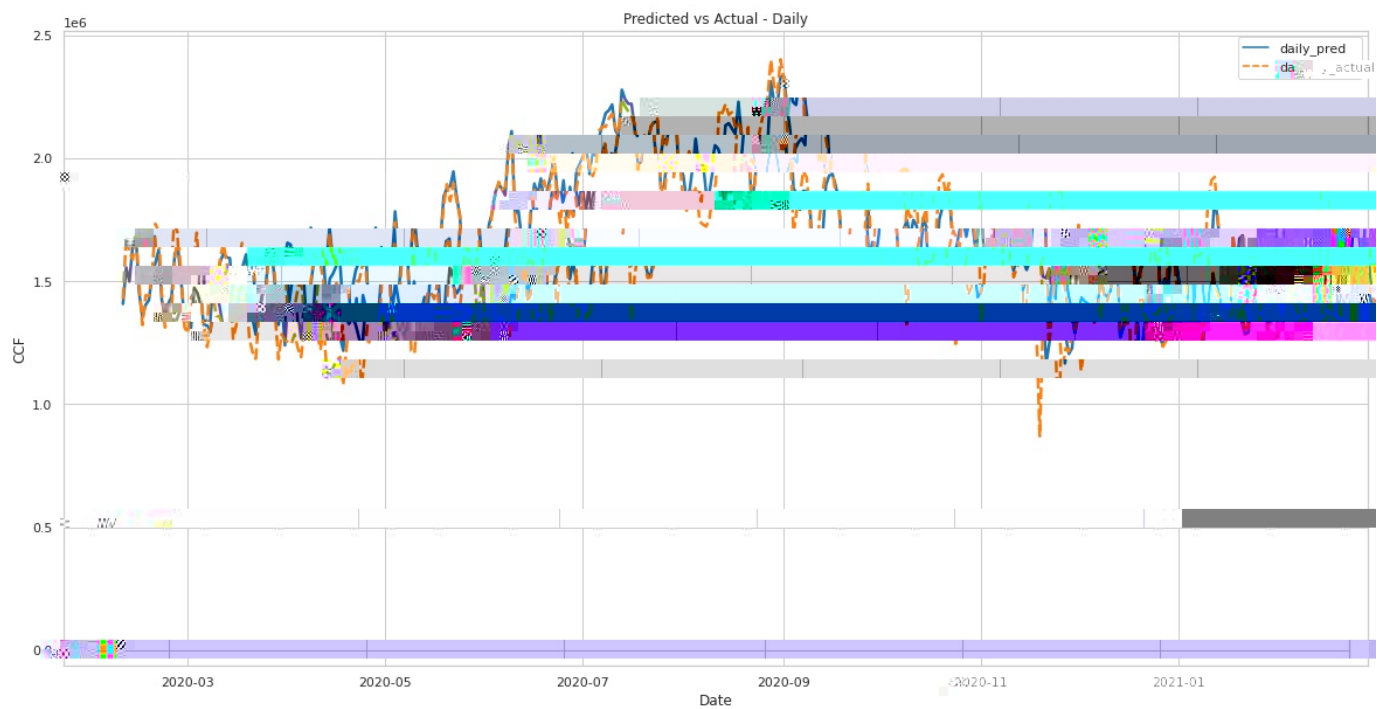
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II. RELATED WORKS

Using traditional statistical techniques, such as Autoregressive Integrated Moving Average (ARIMA) models, is a popular option for generating a short-term, daily forecast for a time series [23]–[26]. A linear regression model is another option [27], [28]. In this context, in addition to “lagged” variables, other exogenous variables that could be linearly related to the variable of interest could be incorporated into the model.

Machine learning algorithms have also been used in time se-



[3] Y. Khmelevsky, V. Ustimenko, G. Hains, C. Kluka, E. Ozan, and