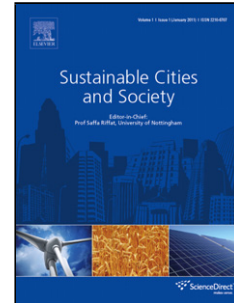


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Predictive artificial neural network models to forecast the seasonal hourly electricity consumption for a University Campus

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Highlights:

- Proposed ANN models to forecast seasonal hourly electricity consumption for Osaka City University
- Adopted the R^2 and RMSE metrics to evaluate the performance accuracy of proposed ANN models
- Found the S.T. area of campus has the largest RMSE and its difference between training and testing samples
- Suggested more input variables to be added to input layer of ANN models for improving forecast accuracy

Abstract

This paper proposes artificial neural network (ANN) models to forecast the seasonal hourly electricity consumption for three areas of a university campus, Japan. A total of six

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