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Title: Comparative assessment of low-complexity models to predict electricity consumption in an institutional building: linear regression vs. fuzzy modeling vs. neural networks

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PII: S0378-7788(17)31310-5
DOI: <http://dx.doi.org/doi:10.1016/j.enbuild.2017.04.032>
Reference: ENB 7528

To appear in: *ENB*

Received date: 13-10-2016
Revised date: 7-4-2017
Accepted date: 9-4-2017

Please cite this article as: Henrique Pombeiro, Rodolfo Santos, Paulo Carreira, Carlos Silva, João Sousa, Comparative assessment of low-complexity models to predict electricity consumption in an institutional building: linear regression vs. fuzzy modeling vs. neural networks, *Energy & Buildings* (2017), <http://dx.doi.org/10.1016/j.enbuild.2017.04.032>

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- We champion low complexity non-linear model design to accurately predict of building energy consumption
- Model performance is validated over real-world Intelligent Building data using time-of-day, weather data, and wifi-based occupancy input variables
- Our results validate the superiority of fuzzy and neural network by comparison with linear regression models

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