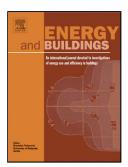
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Title: Comparative assessment of low-complexity models to predict electricity consumption in an institutional building: linear regression *vs.* fuzzy modeling *vs.* neural networks



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- We champion low complexity non-linear model design to accurately predict of building energy consumption
- Model performance is validated over real-word 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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