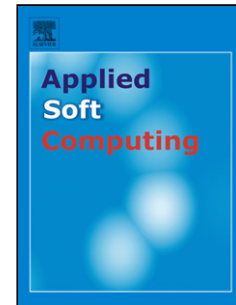


## Accepted Manuscript

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PII: S1568-4946(16)30609-3  
DOI: <http://dx.doi.org/doi:10.1016/j.asoc.2016.11.040>  
Reference: ASOC 3930

To appear in: *Applied Soft Computing*

Received date: 8-3-2016  
Revised date: 22-11-2016  
Accepted date: 23-11-2016

Please cite this article as: Sergio Jurado, Àngela Nebot, Fransisco Mugica, Mihail Mihaylov, Fuzzy Inductive Reasoning Forecasting Strategies Able to Cope with Missing Data: A Smart Grid Application, *Applied Soft Computing Journal* <http://dx.doi.org/10.1016/j.asoc.2016.11.040>

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# Fuzzy Inductive Reasoning Forecasting Strategies Able to Cope with Missing Data: A Smart Grid Application

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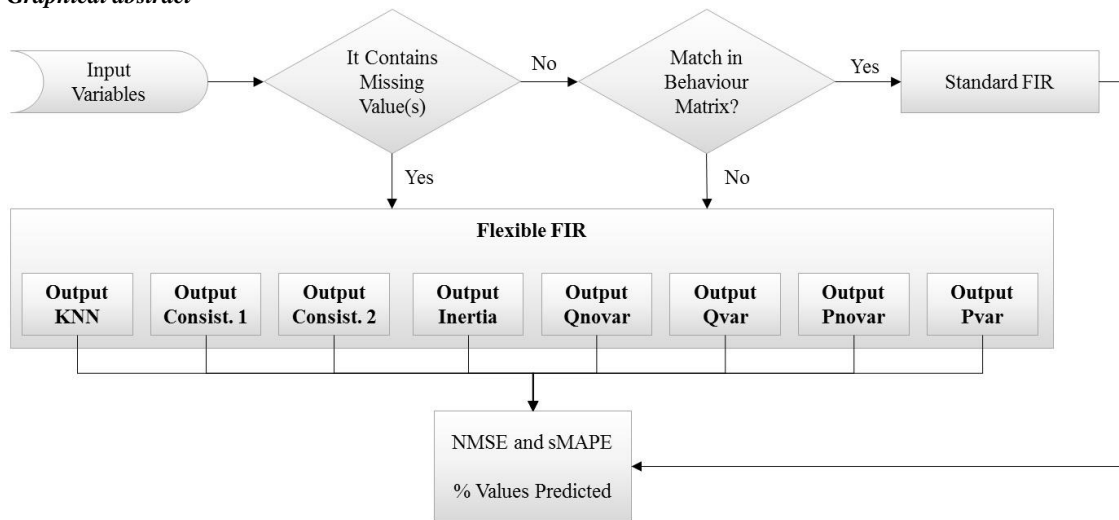
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## Graphical abstract



## Highlights

- We developed an improved version of FIR<sup>1</sup> that can cope with MVs<sup>2</sup>: flexible FIR
- Eight different strategies of prediction for flexible FIR are proposed
- We compare with energy real data from eight buildings with different profiles
- Better results are obtained in those strategies making use of causal relevance
- Flexible FIR predicts 97% of registers when 73% of training data have MVs

<sup>1</sup> Fuzzy Inductive Reasoning

<sup>2</sup> Missing Values

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