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Paper title Short Term Electrical Energy Consumption Forecasting Using RNN-LSTM Only the chairs can edit

Conference and track 2019 International Conference on Electrical Engineering and Computer Science (ICECOS) - Information Technology

Abstract Only the chairs can edit Estimates of short-term use of electrical energy for the next day in this research, using dally...

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Keywords Electrical Consumption: LSTM: Forecasting Only the chairs can edit

Topics Artificial Intelligence; Machine Learning Only the chairs can edit

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completed	Good	Marginal work and simple contribution. Some flaws.	Some interesting ideas and results on a subject well investigated.	Readable, but revision is needed in some parts.
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Weak aspects

The result in this paper were said to be influenced by the anomalies of the provided data. In the other hand, authors claimed that they had perform "imputation process" to have the data consistent (and not lost, and not containing noisy). Then why the anomalies included in the work and causing the result to be inconclusive.

Recommended changes

Please include the explanation why the anomalies should be included in this work, then refine the conclusion so it is converge.
Please refer to literature, or give acceptable explanation for the imputation process, so this work can be validated.

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ICECOS Review

Actions **Relevance and timeliness** **Technical content and scientific rigour** **Novelty and originality** **Quality of presentation**
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Recommended changes
Please include the explanation why the anomalies should be included in this work, then refine the conclusion so it is converge.
Please refer to literature, or give acceptable explanation for the imputation process, so this work can be validated.

completed Acceptable 3 Valid work but limited contribution. 3 Some interesting ideas and results on a subject well investigated. 3 Readable, but revision is needed in some parts. 3

Weak aspects
1. The citation is not consistent, it must be adjusted to comply with IEEE template
2. Figures 2-5 do not have any information on x-label and y-label
3. the paper described the difference among 1 layer, 2 layers and 3 layers of LSTM but the architecture of LSTM has not been explained i.e. parameters in LSTM, activation function, etc.
4. some words are still in Bahasa (page 3)
5. no figures that describe the predicted and actual of the forecasting for testing data (2017), the figures represented only showed the distribution of data.

Recommended changes
1. Increase the resolution of figures
2. add x-label and y-label for the graphs
3. Follow IEEE template
4. Add a title for "references" and change the citation format (must be in numbering)
5. Add the comparison between the predicted results from the proposed LSTM and the actual data.
6. Figure 4a-4i, where is this figure?
7. Describe and give analysis for figure 5
8. Use Fig.1 even at the beginning of the sentence (check IEEE template)
9. Give explanation for each of the variable/parameter in the equations