COVER LETTER

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Halil İbrahim ÇELENLİ

University of Kocaeli

Umuttepe Campus

41380, Izmit / KOCAELI

Dear. A. B. RAD,

In this manuscript, we present a combination of Word2vec and LDA models. We think it is significant as the proposed model improves classification results and reduces the complexity of the results. (We think this is important because the proposed model improves the classification of results and reduces the complexity of the results.)

The experimental results in this manuscript show that document representations. For instance, document vectors obtained with our proposed approach, TopWord2vec, yield better classification results with a wide range of classification algorithms in multiple and variety of text classification datasets in two different languages, English and Turkish, compared to the doc2vec representations.

As there are many topics on artificial intelligence within the scope of the journal, we think that the TopWord2vec model based on artificial neural networks will attract the readers of the journal and believe that this article is eligible for publication by ISA. (We believe that this manuscript is appropriate for publication by ISA because the proposed model, TopWord2vec, in the manuscript based on neural networks will attract the readers of the journal since there is artificial intelligence within the scope of the journal.)

Please address all correspondence concerning this manuscript to me at halilibrahimcelenli@gmail.com.

Thank you for your time and consideration.

Sincerely,

Halil İbrahim ÇELENLİ

[Your name]

Cover letter :

In this paper, We show that combination of Word2vec and LDA models. This is significant because proposed model improves the classification results and reduce the complexity of the resulting.

We present TopWord2vec, an combination of Word2vec and LDA model. This model classification results and minimizes the complexity of the resulting model. The experimental results show that document representations, e.g. document vectors obtained by our proposed approach TopWord2vec yields better classification results by a wide range of classification algorithms on a large number and variety of text classification datasets in two different languages; English and Turkish, compare to the doc2vec representations.

There is artificial intelligence within the scope of the journal and we think that the TopWord2vec model we offer will attract the readers of the journal because it is neural network based.

<u>Higlights.</u>

1. We present TopWord2vec, an combination of Word2vec and LDA models

2. TopWord2vec model gives better results than the Doc2vec model.

3. TopWord2vec model gives good results in tweet and news datasets

4. TopWord2vec model improves the classification results and reduce the complexity of the resulting