



Abid Hossain <abid.hossain@g.bracu.ac.bd>

Paper 322 summary

1 message

Microsoft CMT <email@msr-cmt.org>

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To: abid.hossain@g.bracu.ac.bd

Hello.

Here is submission summary.

Track Name: ICCITconf2023

Paper ID: 322

Paper Title: Text classification sentimental analysis using Neural Networks on Movie Reviews

Abstract:

This research undertakes a comparative analysis of sentiment analysis methods within text classification, differentiating between the performance of different neural network models like Recurrent Neural Networks (RNN), also an add-on of LSTM approach such as BiLSTM - Bi-Directional Long Short Term Memory Networks, Convolutional Neural Networks and last but not least, Multi-Layer Perceptron Network (MLP). Dataset used was IMDB dataset of movie reviews. This research underscores the potential of synergizing these models with optimizers and GloVe word embedding techniques to bolster sentiment-driven text classification accuracy. The study revealed that the BiLSTM model with the incorporation of adam optimizer had the highest performance metric. This finding of the best model and amalgamation of these fine-tuning of baseline neural network models presents a promising avenue for advancing the precision and efficacy of text classification in natural language processing domains.

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Authors:

- abid.hossain@g.bracu.ac.bd (Primary)
- annajiat@gmail.com
- sadiul.arefin.rafi@g.bracu.ac.bd
- tasfia.jahan.nahin@g.bracu.ac.bd
- shamaun.shamim.mukit@g.bracu.ac.bd
- md.tausif.ahanaf@g.bracu.ac.bd

Primary Subject Area: Neural Networks

Secondary Subject Areas:

Submission Files:

paper.pdf (387 Kb, Wed, 06 Sep 2023 05:05:39 GMT)

Submission Questions Response:

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