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Efficient Fake News Detection Method using Feature Reduction

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Efficient Fake News Detection Method using Feature Reduction

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Objective,
and
Previous
Works

Objective: Reducing Training Time
While Maintaining Accuracy

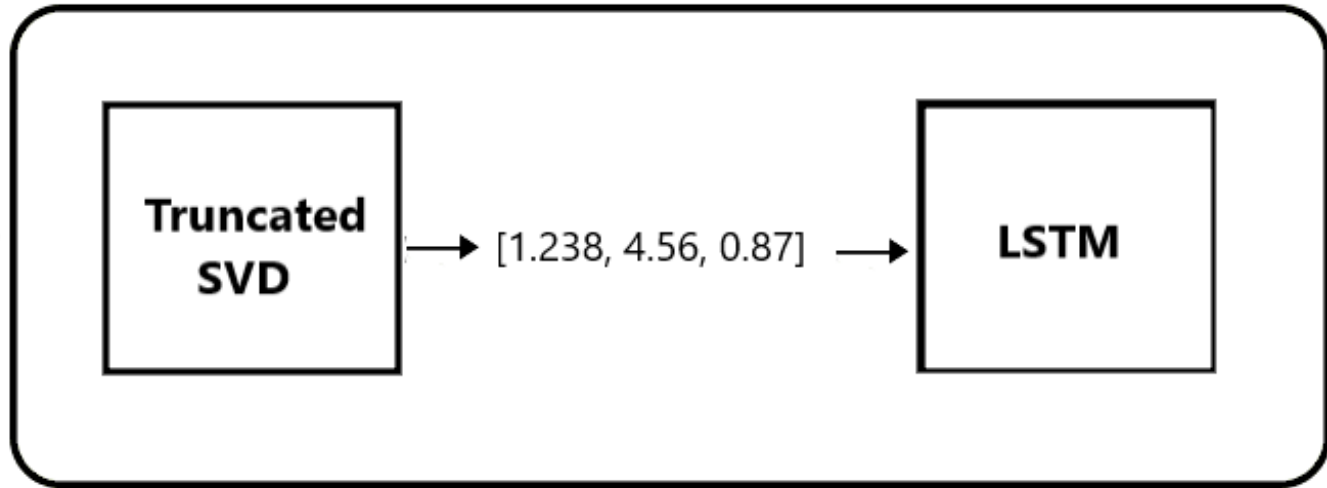
Why: Save Computational
Resources; Reduce Carbon
Footprint

Previous: No Comparative
Studies; A Combined Machine
Learning Model

Proposed Work



["Trump", "has", "won",
"the", "2020", "USA",
elections"]



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Experiments and Results

Model Name	Accuracy	Training Time
SVM	94.00	12 mins
Proposed Work	92.20	1 min
Random Forests	78.00	5 mins
LSTM	80.00	10 mins

Conclusion and Future Scope

Conclusion: Significant improvement in performance (accuracy vs. training and time)

Future Scope: Different feature reduction approaches and other tasks like text summarization

Questions: ?