

Detecting Cyberbullying Tweets Using Machine Learning and Deep Learning: An In-Depth Exploration

Decision Trees: Decision trees are another popular machine learning algorithm used for classification tasks. They are easy to interpret and can handle both numerical and categorical data.

Recurrent Neural Networks (RNNs): RNNs are another type of deep learning architecture designed for processing sequential data. They are particularly effective for tasks like sentiment analysis and text classification.

Sarcasm and Irony: Cyberbullying tweets may often contain sarcasm and irony, which can be challenging to detect using traditional machine learning models. Advanced techniques like word embeddings and context-aware models are often used to address this challenge.

Transfer Learning: Transfer learning involves utilizing a pre-trained model on a related task to improve performance on a new task. This technique is often used in natural language processing to leverage knowledge from large-scale text corpora.



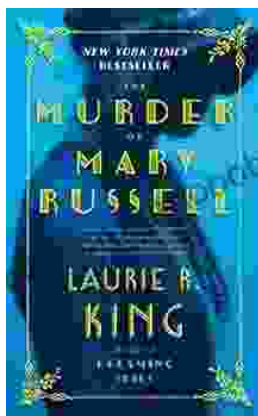
DETECTING CYBERBULLYING TWEETS USING MACHINE LEARNING AND DEEP LEARNING WITH PYTHON GUI by Vivian Siahaan

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