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Machine Learning Framework for Analyzing Disaster-Tweets

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Cite This



Abstract	戊	
Document Sections	Downl PDF	
I. Introduction	Abstract	
II. Liteature Survey	During natural disasters and catastrophes, Twitter is becoming a more popular source of information exchange. It is	
III. The Proposed ML Based Framework for Analysing	primarily used to share the status of disaster recover View more	
Disaster Tweets	✓ Metadata Abstract:	
IV. Experimental Results	During natural disasters and catastrophes, Twitter is becoming a more popular source of information exchange. It is	
V. Conclutions	to report and request or provide volunteer services, and to update on the scope of geographic phenomena. This paper	
Authors	effective disaster responses by teams working on disaster mitigation. This work focuses on developing a	
Figures	comprehensive framework for text processing and analysis on tweets posted in Twitter during natural catastrophes using natural language processing techniques. Disaster-related tweets are categorized into precautionary tweets, educational tweets, and recovery tweets. The algorithms which are used to develop the framework are Naïve Bayes	
References	based on Bayes theorem, Logistic Regression based on Sigmoid function, Random Forest based on decision trees,	
Citations	performance metrics, namely, accuracy, precision, recall, F1-score, and time, are calculated to assess how well the	
Keywords	to provide insights about the performance of algorithms in terms of efficiency with time bound actions and reactions.	
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