MD IMPREEAJ HOSSAIN <md.impreeaj.hossain@g.bracu.ac.bd>

Signal Processing and Integrated Networks : Submission (454) has been created.

1 message

Microsoft CMT <email@msr-cmt.org> Mon, Dec 18, 2023 at 1:27 AM
Reply-To: Microsoft CMT - Do Not Reply <noreply@msr-cmt.org>
To: md.impreeaj.hossain@g.bracu.ac.bd

Hello,

The following submission has been created.

Track Name: SPIN2024

Paper ID: 454

Paper Title: Pattern Recognition in Disaster Response: Leveraging Machine Learning for Twitter Analysis

Abstract:
This study is groundbreaking because it provides a novel method to detect tweets about catastrophes by using modern machine learning techniques that include Long-Short-Term memory in addition to Natural Language Processing models (NLP). Each model is essential in the study of tweets from social media that react to disasters through Twitter Its primary function is to detect patterns within tweets and to identify the keywords or phrases that need to be spotted. They permit an efficient and thorough analysis of social media quickly and accurately - this is extremely useful during situations of crisis, when the decisions must be taken rapidly to protect the public. Integration between these models can lead to significant improvements to disaster response activities, while the framework showcases machines learning's power to gather valuable data from non well-structured, like social media. Frameworks for emergency response should provide broad-based options that meet demands of disaster management and introduce new concepts for the discussion group. The study shows that machine learning's capacity to increase the efficiency of disaster management techniques, and also open new research opportunities has significant impacts.

Created on: Sun, 17 Dec 2023 19:27:24 GMT

Last Modified: Sun, 17 Dec 2023 19:27:24 GMT

Authors:
- md.impreeaj.hossain@g.bracu.ac.bd (Primary)
- musaib.ibn.habib.mikdad@g.bracu.ac.bd
- ridwanul.haque@g.bracu.ac.bd
- farah.binta.haque@g.bracu.ac.bd
- ehsanur.rahman.rhythm@g.bracu.ac.bd
- annajiat@gmail.com

Secondary Subject Areas: Not Entered
Submission Files: Pattern_Recognition_in_Disaster_Response__Leveraging_Machine_Learning_for_Twitter_Analysis.pdf (953 Kb, Sun, 17 Dec 2023 19:24:04 GMT)

Submission Questions Response: Not Entered

Thanks,
CMT team.

Microsoft Corporation
One Microsoft Way
Redmond, WA 98052