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Editorial

The issue 27, volume 2 (2023) of the *Information Processing at the Digital Age Journal* is a special issue that publishes the papers of the NLP challenge hold at CERIST on March 29th, 2023. This challenge was the first of its kind in Algeria and aimed to promote NLP and bring together researchers and students from NLP research teams. Two main tasks were proposed: Opinion mining and Sentiment Analysis, and Information Retrieval. We received 23 papers. 11 of them were selected for participation at the challenge day.

During the organization of this challenge, we noticed a great interest for the first task, especially the subtask 1.c Arabic Sentiment Analysis and Fake News Detection within Covid-19 and the subtask 1.d Arabic Hate Speech and Offensive Language Detection on Social Networks. Hence, this issue contains five papers addressing subtask 1.c, five papers addressing subtask 1.d, and one paper addressing subtask 1.b Multilingual Sentiment Analysis in Twitter.

Summary

Bachir Said, Mohammed E. Barmati, "XLM for Multi-Lingual Sentiment Analysis in Twitter Using Oversampling Technique"
Angel Felipe Magnossão de Paula, Imene Bensalem, Paolo Rosso and Wajdi
Zaghouani, "Transformers and Ensemble methods: A solution for Hate Speech
Detection in Arabic language"6
Bachir Said, Mohammed E. Barmati, "GigaBERT-based Approach for Hate Speech
Detection in Arabic Twitter"
Rabia Bounaama, Mohammed E. Abderrahim, " Classifying Arabic covid-19 related
tweets for fake news detection and sentiment analysis with BERT-based models18
Hakim Bouchal, Belaid Ahror, "Arabic Hate speech and social networks offensive
language detection."24
Yousra F.G. Elhakeem, Safa Eltayeb, Mohammed Aldawsari, Omer Salih Dawood
Omer, " Modeling Sentiment Analysis Using Machine Learning Algorithms for Arabic
covid-19 Tweets"
Nourelhouda Chiker, "Hate speech detection model based on BERT for the Arabic
dialects"
Abdelmounim Sellidj, "A logistic regression algorithm for Arabic hate speech
detection"
Zoubir Talai, Nada Kherici, "Compact CNN-Based Architecture for Text
Classification and Sentiment Analysis"
Slimane Arbaoui, Alaa Eddine Belfedhal, "Arabic Sentiment Analysis within COVID-
19"