

TY - CONF

TI - Depression Prediction from Combined Reddit and Twitter Data using Machine Learning

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KW - Measurement

KW - Technological innovation

KW - Text analysis

KW - Social networking (online)

KW - Blogs

KW - Mental health

KW - Predictive models

KW - Social network sites

KW - depression prediction

KW - NLP

KW - Twitter

KW - Reddit

KW - mental health.

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AB - Technology has transformed communication on a global scale, and social media platforms like Twitter and Reddit have become crucial forums for discussing current events and sharing views. These platforms offer ample data for extracting user opinions, which can be examined through natural language processing and text analysis methods. This project uses these techniques to systematically discover, gather, measure, and examine emotional states and personal information in posts on Twitter and Reddit. Our primary goal is to predict depression in these posts, which is a significant public health concern. To achieve this, we use a combined dataset of Twitter and Reddit data. Our research aims to add to the increasing field of investigation on using social media data to comprehend and forecast mental health outcomes. By identifying patterns and trends in language use that may be indicative of depression, we hope to provide insights that can inform the development of interventions and support for individuals at risk of mental health challenges.

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