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Depression Intensity Estimation via Social Media

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Abstract: *The advent of social media has transformed the way individuals communicate, express emotions, and share personal experiences. This has opened up new avenues for understanding and addressing mental health issues such as depression. The project aims to leverage machine learning and natural language processing techniques to assess the intensity of depression from social media posts. By analyzing textual content, user interactions, and behavioral patterns on platforms like Twitter, Facebook, and Instagram, the system seeks to identify linguistic and emotional markers indicative of depressive states. This project not only contributes to the early detection of depression but also aids in providing timely interventions. The ultimate goal is to create a tool that can assist mental health professionals in monitoring and understanding the mental well-being of individuals through their social media activities, potentially leading to more effective mental health support and resource allocation. The results indicate that the proposed system can accurately estimate depression intensity, offering a promising approach to addressing mental health issues in the digital age*

Keywords: Depression Intensity, Social Media Analysis, Mental Health, Machine Learning Natural Language Processing (NLP), Sentiment Analysis, Behavioral Patterns, Early Detection, Text Mining, Emotional Markers, etc.