Suicide Ideation Detection on Social Media Using a Time-Aware Transformer Model

Ms. Sushma A Shirke, Abhishek Bisht, Aman Semwal, Amandeep Rawat, Vijender

Army Institute of Technology, Pune, Maharashtra, India, Pune, Maharashtra, India

Abstract: *The widespread usage of social media allows individuals to express suicidal concernsl therapy settings. Recognizing the development of such ideas is crucial for the Suicide prevention and identifying risk of users is frequently linked to a mental illness. The psychological range of a user's previous social media activity can reveal their mental state changes over time. This project focuses on detecting suicidal intent in tweets in English by adding historical context to linguistic models STATENet is a timeaware model for preliminary suicide risk screening on social media. STATENet outperforms the competition proving the value of emotional and temporal contextual factors in assessing suicide risk. STATENet for detecting suicide is discussed in terms of its, qualitative, practical, and ethical implications.*

Keywords: STATENet

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