Depression and Stress Monitoring System via Social Media Data using Deep Learning Framework

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Abstract: Stress and Depression is one of the most broadly perceived and incapacitating mental issue that appropriately influences society. Automatic health monitoring systems could be pivotal and critical to improve sadness and stress recognition framework using social networking. Sentiment Analysis alludes to the utilization of natural language processing and content mining approaches planning to recognize feeling or opinion. Full of feeling Computing is the examination and advancement of frameworks and gadgets that can perceive, decipher, process, and mimic human effects. Sentiment Analysis and deep learning techniques could give powerful algorithms and frameworks to a target appraisal and observing of mental issue and, specifically of depression and stress. The application of sentiment analysis and deep learning methodologies to depression and stress detection and monitoring are discussed. In addition, a fundamental plan of an incorporated multimodal framework for stress and depression checking, that incorporates estimation investigation and full of feeling processing strategies, is studied. In particular, the paper traces the fundamental issues and moves comparative with the structure of such a framework.

Keywords: Deep learning, Ehealth, stress and depression, sentiment analysis, social media

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