**Stress Classification of Medical Practitioners Using Machine Learning Techniques**

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**Abstract:**

Stress is a feeling of tension. In whichever field is working most of them undergo the work pressure. At this time the most stressed people are medical practitioners. The doctors, nurses, and other health care members are trying their maximum to save one's lives. COVID-19 allows doctors to extend their working time on a daily basis. The paper aims to produce a comprehensive study of the physical and mental health status of them from the previous year to till this pandemic situation. The source of stress, death rate, recovery rate, and the number of diagnosed patients are the parameters to identify the stress level among them. The research has analyzed various practitioners' mental problems due to their lifestyles and corporate culture in multispecialty hospitals and individual targets in some states of India. Especially due to Covid-19, all the doctors in the global level, tremendous variations bring out the larger affected population. The aim of the research is to evaluate which machine learning techniques will work efficiently to classify the various stress levels of doctors.

**Keywords:**

**Stress Classification, Medical practitioner, Machine Learning Techniques**

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Maggi Monika Wilson, PG Scholar at CHRIST (Deemed to be University), Bangalore. She is an active researcher in the field of data analysis using medical data. She is interested in doing research in Artificial Intelligence, Deep Learning and Healthcare analytics.

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