Depression Level Detection Using Machine Learning

Idea and Description:

Depression is the most common mental disorder worldwide and currently the fourth largest contributor to the burden of disease as reported by the World Health Organization. We will try to identify depression levels using machine learning in this project. The objective of the project develop a model that can forecasting depression level. The purpose of this study is to provide an automated method to assist with depression diagnosis by differentiating data between healthy and depressed patients.

According to WHO, about 264 million people globally are affected. This is a serious disease that can affect someone from any age group. Depression is the world's leading cause of disability and is a significant contributor to the global total disease burden. In this project we will use machine learning approaches as an effective and scalable tool to analyze the impact of depression detection. So, it is very important of Bangladesh as well as world.

In this project, we will develop a machine learning model with the help of supervised learning algorithm, which can predict the depression level from any classifier based dataset. Major mental illness like depression can also be detected and solved by integrating machine learning. Machine learning implements have the potential to improve the diagnosis and treatment of mental health problems and consequently may help people's healthier lives.

I have never worked on this project. I would like to participate in all possible ways, because it helps me to learn more. I think during this pandemic time online semester is very critical for us. I hope we will finish the project within 8 to 9 weeks.