**Machine Learning Approach**

Machine Learning – A branch of Artificial Intelligence (AI) where computers learn patterns from data and make predictions or decisions without being explicitly programmed with fixed rules.

The AI will be employing machine learning algorithm specifically designed for detecting trends in mental health issues early. These algorithms will be trained to ensure accuracy and reliability in various cases. The system will improve its accuracy over time, by learning from new data countless time. The ML algorithm we will be using will be Linear Regression (which has 1 line of best fit to identify outlier) and Higher-Dimensional Linear Regression (which the line of best fit becomes hyperplane, instead of looking at distance from a line, we look at the distance from this hyperplane).