# Business Understanding and Problem Discovery

## Problem

Depression on social media.

Social media platforms are becoming an integral part of people’s life. They reflect the user’s personal life. People like to share happiness, joy, and sadness on social media. These platforms are used for researchers to identify the causes of depression and detect it

Detecting earlier depression can be a huge step to address the mental illness and offer support to the people suffering from this terrible mental illness.

## Data Requirement

**Web scraping Tweets with TWINT**

## Data Assumption

* Date – Time
* User
* Sentiment
* IDS
* Tweet Text

## Data Limitation

Data should not contain stop words, twitter handles, special characters, hyperlinks.

## Proposed Test

For this problem, we can use Random Forest technique, as it provides tree structure and is best for classification and regression problem.