

# Title: Depression level detection

A machine learning project may not be linear but it has a number of well known steps:

\*Define problem.

\*prepare data.

\*Evaluate Algorithms.

\*Improve result.

Depression: Sadness, feeling down, and having a loss of interest or pleasure in daily activities are familiar feelings for all of us. But if they persist and affect our lives substantially, the issue may be depression.

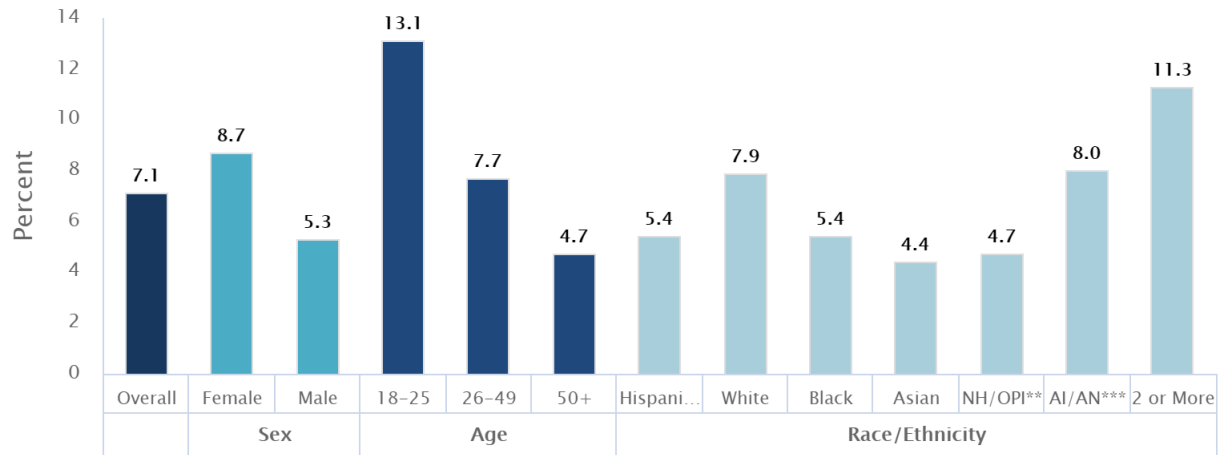
Depression is the main cause of disability worldwide, according to the World Health Organization (WHO). It can affect adults, adolescents, and children.

## Prevalence of Major Depressive Episode Among Adults

- Figure 1 shows the past year prevalence of major depressive episode among U.S. adults aged 18 or older in 2017.

### Past Year Prevalence of Major Depressive Episode Among U.S. Adults (2017)

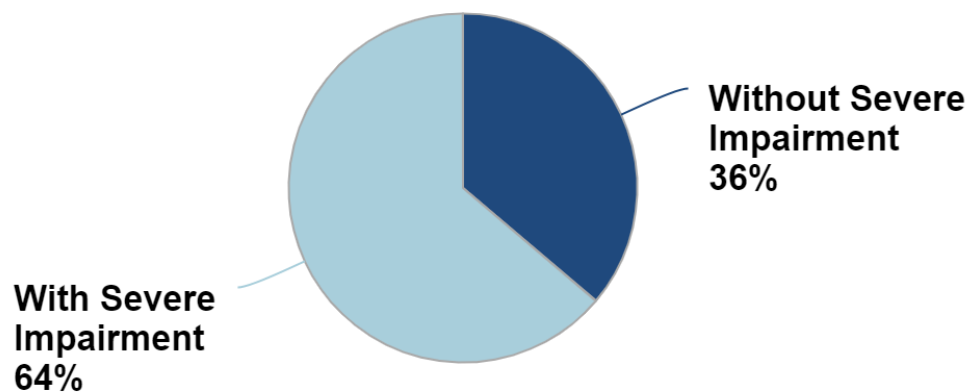
Data Courtesy of SAMHSA



- Figure 2 shows overall past year prevalence of major depressive episode with and without severe impairment. Of adults with major depressive episode, 63.8% had severe impairment.

### Past Year Severity of Major Depressive Episode Among U.S. Adults (2017)

Data Courtesy of SAMHSA



This type of project is the first for us. I and my group members will help each other to the project. With the contribution of aa of us we will be able to complete this project completely and get result.so I will give my best on this project

We need an algorithm that will have work with less error.To get the project working properly we may need 7-8 weeks.