



## Kitar Wiam, Northwest Missouri State University

# Introduction

## Question and algorithm



## Methodology

Have you ever had suicidal thoughts ?

= Yes

= No

Academic Pressure

Academic Pressure

Financial Stress

Study Satisfaction

Study Satisfaction

Age

Yes (100.0/2)

Age

Financial Stress

Yes (9.0) No (42.0)

Yes

Financial Stress

Financial Stress

Academic Pressure

Academic Pressure

Age

Yes (2.0)

No (7.0) Yes

Study

Family History of

Yes (7.0) No

Dietary Habits

Study Satis

No (24.0/1.0)

Yes

No

Study Hou

Yes (8.0) Yes (3) No (3.0/1.0)

Study Hou

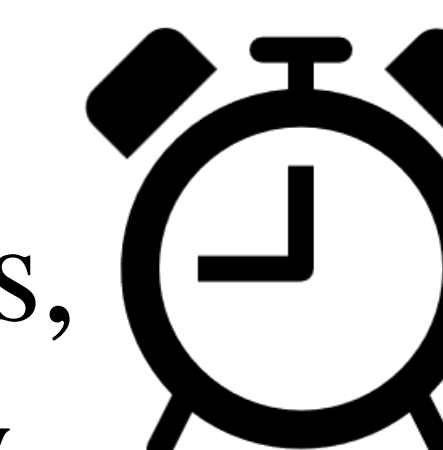
Yes (2.0)

No (3.0) Yes (2.0)

No (5.0) Yes (2.0)

The classifier suggests that students who have had suicidal thoughts are more likely to experience depression, especially if they face high academic pressure and financial stress. The model also highlights the importance of study satisfaction, sleep duration, and dietary habits in predicting depression levels.

## Conclusion



## Sources

<https://www.kaggle.com/datasets/ikynahidwin/depression-student-dataset>

## Solution

Addressing academic pressure, financial stress and low study satisfaction through support systems and interventions could help reduce depression and improve student well-being.

## Future work

Future research could explore additional factors such as social support, campus engagement, and coping strategies, which may also contribute to student depression