

DETECTION OF SUICIDAL IDEATION USING DEPRESSION OR STRESS DETECTION IN ARTIFICIAL INTELLIGENCE

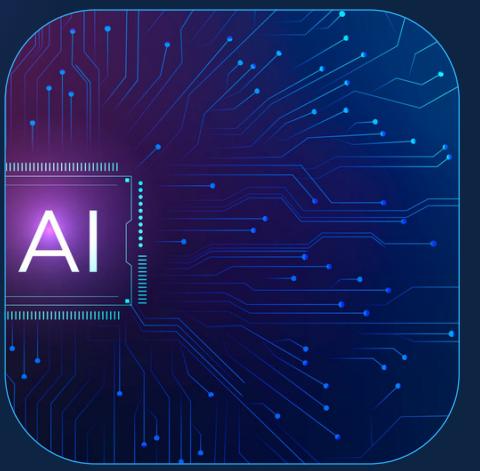
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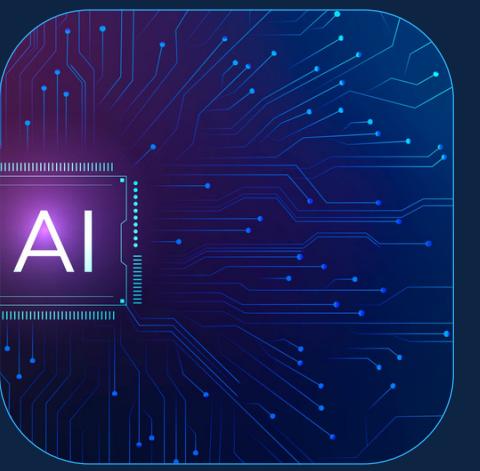
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What is AI ?

Computerized reasoning (artificial intelligence) alludes to the reproduction of human knowledge in machines that are customized to think like people and copy their activities. The term may likewise be applied to any machine that shows characteristics related with a human psyche like learning and problem solving. A subset of manmade consciousness is machine realizing, which alludes to the idea that PC projects can naturally gain from and adjust to new information without being helped by people. Profound learning methods empower this programmed learning through the ingestion of colossal measures of unstructured information like pictures

APPLICATIONS OF AI

1. **AI in Astronomy**
2. **AI in Healthcare**
3. **AI in Gaming**
4. **AI in Finance**
5. **AI in Data Security**
6. **AI in Social Media**
7. **AI in Travel & Transport**
8. **AI in Automotive Industry**
9. **AI in Robotics**
10. **AI in education**

SUICIDAL IDEATION DETECTION

- Suicide is one of the most serious social health issues confronting modern society. Suicidal activities can be influenced by a range of personal and social factors, such as trauma or negative experiences, physical or mental illness, social isolation, hopelessness, anxiety, and so on.
- Suicidal ideation, also known as suicidal thoughts, refers to people's plans to commit suicide and may thus be used to predict suicide risk.
- Suicidal thoughts can range from brief to substantial, and may include significant planning, role-playing, and failed attempts. Suicidal ideation is seen in a large percentage of patients, particularly adolescents.

WARNING SIGNS FOR SUICIDE

**Talking about wanting
to die or to kill oneself**

**Looking for a way to kill
oneself, such as searching
online or obtaining a gun**

**Talking about feeling
hopeless or having no
reason to live**

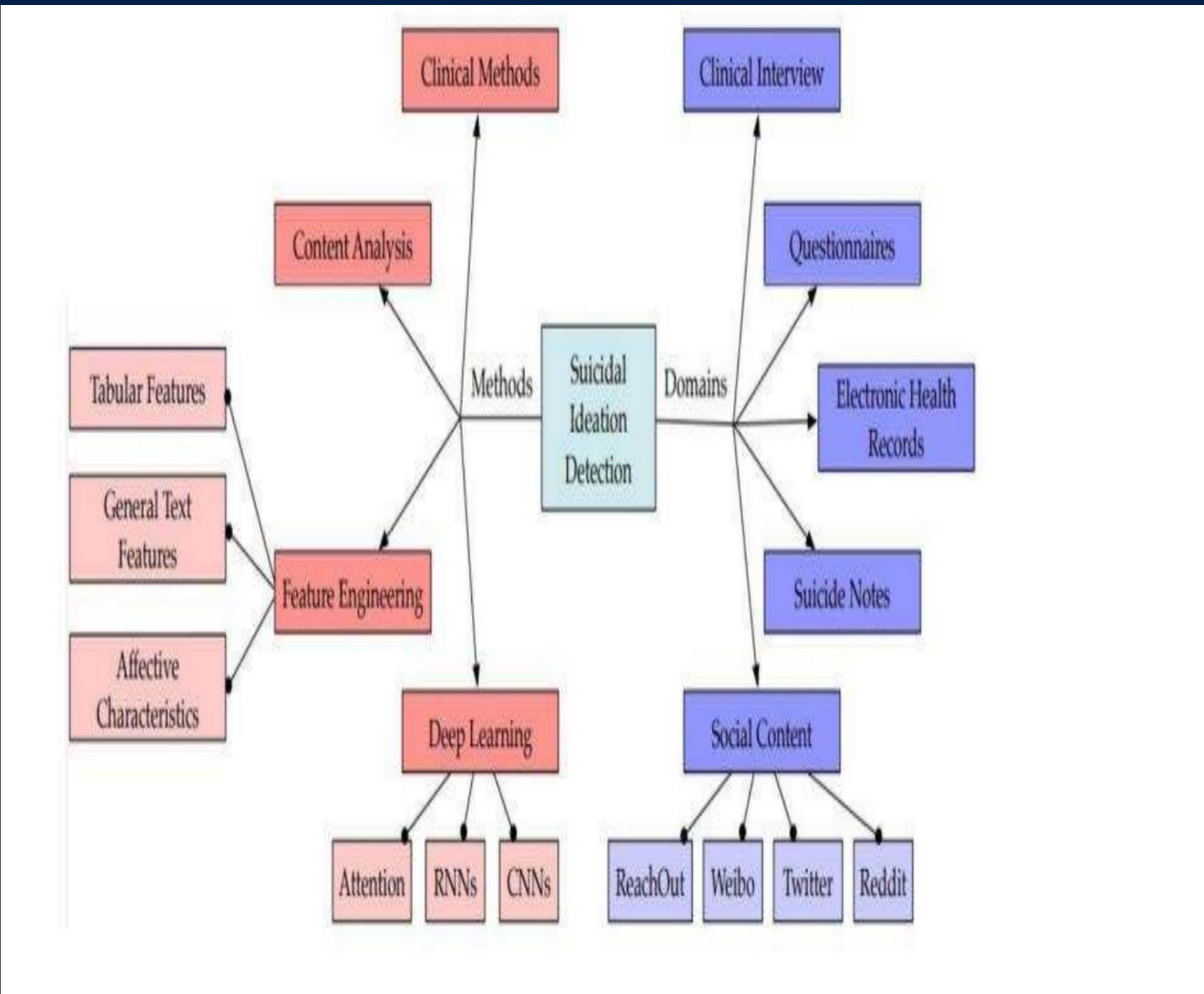
DEPRESSION DETECTION USING EMOTION AI

The method proposed in makes use of emotional artificial intelligence to detect depression in individuals. It uses Natural Language Processing and sentiment analysis of tweets to detect depression. First the data is collected from Twitter using Twitter APIs. Then keyword search based on wordlist occurs, tweets are **filtered** in JSON format and then the text element is extracted from the JSON format. Further, the data is cleaned and csv **file** is generated for train and test set for which the ratio is 80:20. Second step in the training phase is Data Pre-Processing in which training csv **file** is read for inputs. Tokenisation, Stemming, Stop Words Removal, POS Tagger are the pre-processing methods applied on the data. Then the test tweets are classified into positive or neutral and confusion matrix is computed. It is observed that Multinomial Naïve Bayes algorithm worked better than SVM in terms of accuracy and F1 score.

DATASET TO DETECT SUICIDE

To distinguish suicide ideation, we train our order models Redditvirtual entertainment dataset where Clients can offer thierviewpoint through clients offer their têxt can posts, connections or casting a ballot component posts. They draw in with one another through remark strings connected to each post. The dataset utilized in our test was fabricated and of a rundown of suicide characteristic and non-comprises self-destructive posts. To protect the clients' security, their with a special ID. Since the clients data is supplanted OWI tend to get participated in various types of subreddits, each gathering framed by relating number is 4 irregular of messages got from different points.

ER DIAGRAM

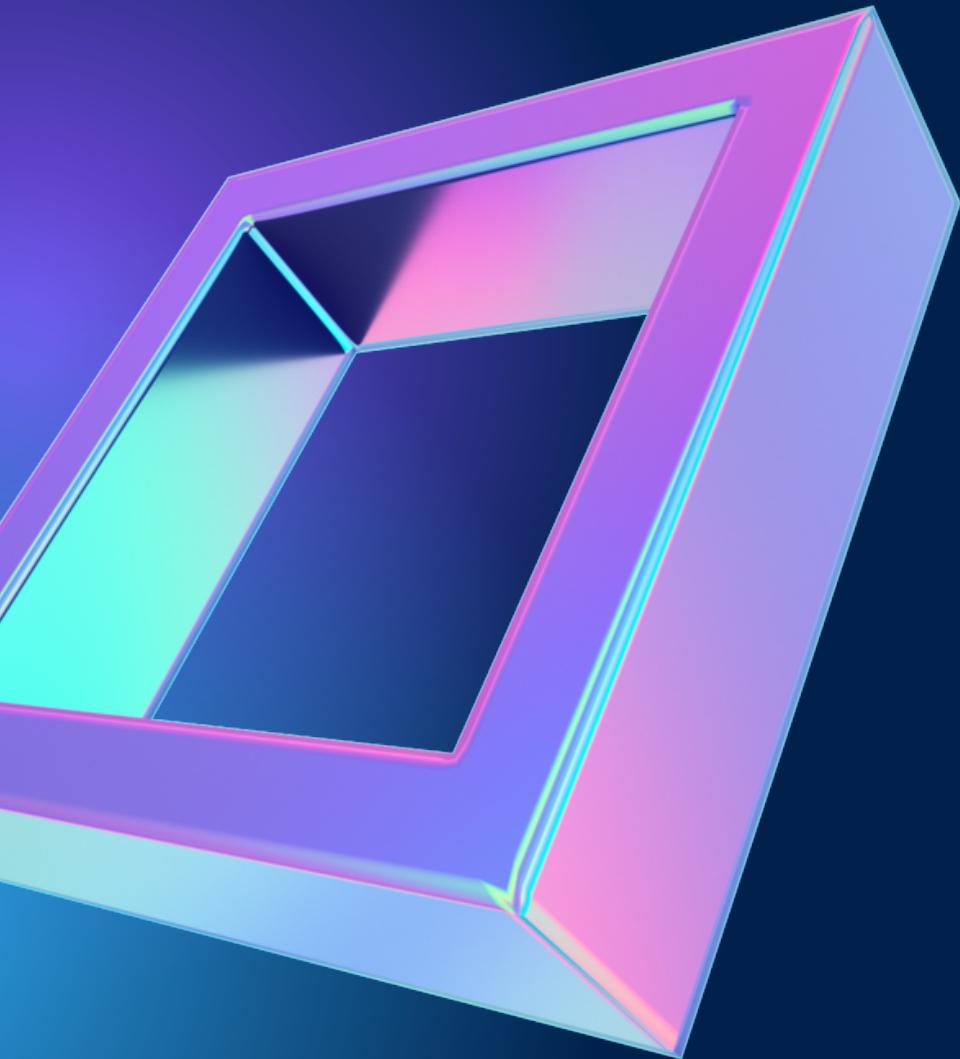


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**SOMETIMES EVEN TO LIVE IS
AN ACT OF COURAGE.**

– LUCIUS ANNAEUS SENECA



Thank You