

WeCare

 Mental Illness Classifier

Team

Ayush

Chetan

Shi

Suprith

Yu-Han

Statistics

1 in every 4 college students suffer from mental illness. (Healthline)

44% of college students report having symptoms of depression.

75% of college students do not seek help for their mental health problems.

Nearly 60% of adults with a mental illness didn't receive mental health services.

Problems

Mental illness

Expensive healthcare

Solutions

Figure out if the patient suffers from a mental illness




Diagnose the illness


Send appropriate healthcare solutions


Procedures

Step 1: User answers four questions





Question 1
Where do you currently reside?







Question 2
How are you feeling today?






Question 3
What is your age?





Question 4
What is your gender?



Location
Feeling
Age
Gender

Submit

Step 2: Multinomial Naive Bayes Classifier

Data: comments from Reddit, Mental health forums (with labels)

Labels: Depression, PTSD, PPD, ADHD

	precision	recall	f1-score	support
adhd	0.72	0.64	0.68	28
depression	0.71	0.83	0.76	47
ppd	1.00	0.60	0.75	5
ptsd	0.65	0.59	0.62	29
avg / total	0.71	0.71	0.70	109

Step 3: Diagnosis

Analysis of Results

Comment made by user : I am feeling alright. I was having a bad day and am having trouble with my homework. I dont know if I can pass my classes and my grades are horrible.

Disorder predicted using Naive Bayes is : depression

Predicted mental disorder from comment : **Depression**

Useful Coping resources

<http://www.health.com/health/gallery/0,,20521915,00.html>

<http://studentsagainstdepression.org/>

https://www.huffingtonpost.com/2011/08/25/websites-for-coping-with-depression_n_935721.html

<https://www.goodtherapy.org/blog/best-depression-websites-2015-1228154>

Step 4: Nearby Clinics Information

Don't worry, help is nearby!

Below are a few providers near you that can provide assistance:

- Name: Natalie Zervas
Practice Name: Address: 593 Eddy St
Providence, RI 02903
Phone: 4014444318
Biography: Dr. Natalie Zervas, PHD PSY sees patients in Providence, Rhode Island and specializes in psychology. Dr. Zervas is licensed to practice medicine at Rhode Island. In addition to having active medical licenses, Dr. Zervas has successfully passed a background check including a medical license verification (active) and screening for malpractice history (none found).
- Name: Vivian Perez
Practice Name: Address: 850 Harrison Ave
Boston, MA 02118
Phone: 6174144238
Biography: Dr. Vivian Perez, PHD practices medicine at Boston, Massachusetts, specializing in psychology. Dr. Perez is licensed to treat patients in Massachusetts. In addition to having active medical licenses, Dr. Perez has passed an automated background check which looked at elements including medical license status and malpractice screening (no history found).
- Name: Dara Manoach
Practice Name: Address: 55 Fruit St
Boston, MA 02114
Phone: 6177268320

How are we different?

Open-ended questions

Free and real-time diagnosis

Thank you!

We care your health

