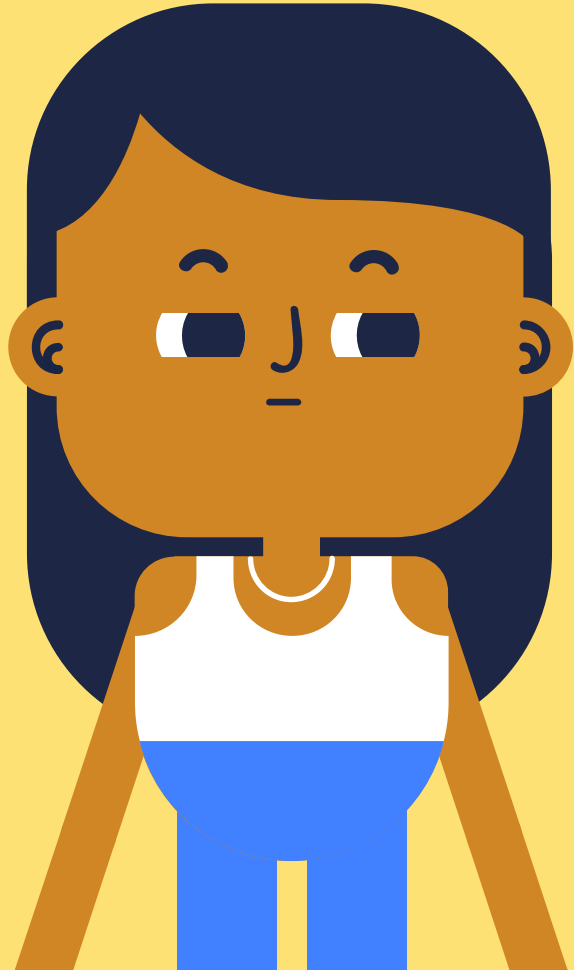


**DID YOU KNOW?**

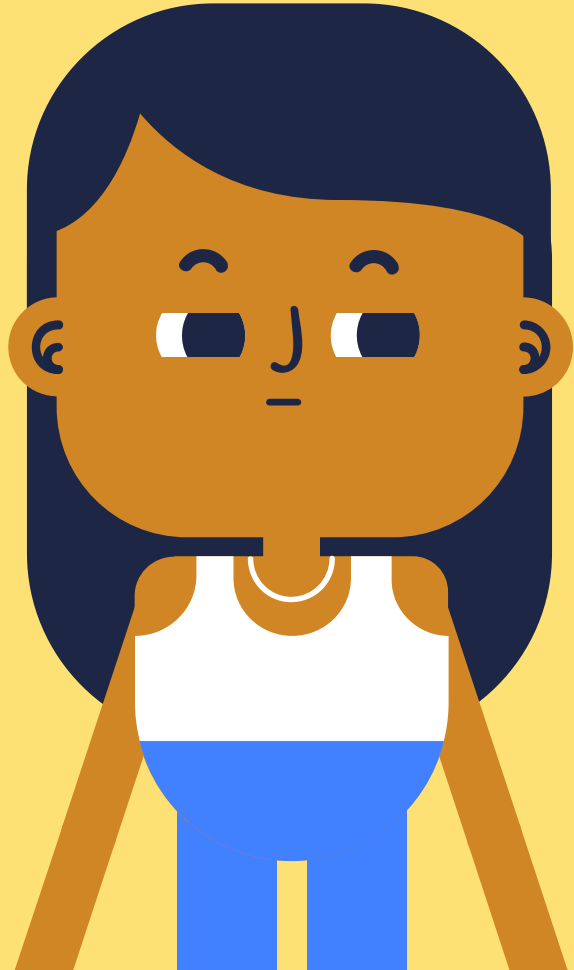
<https://adaa.org/understanding-anxiety/facts-s>



# DID YOU KNOW?

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<https://adaa.org/understanding-anxiety/facts-s>



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- 40 million adults or 18.1% of the population are affected every year.

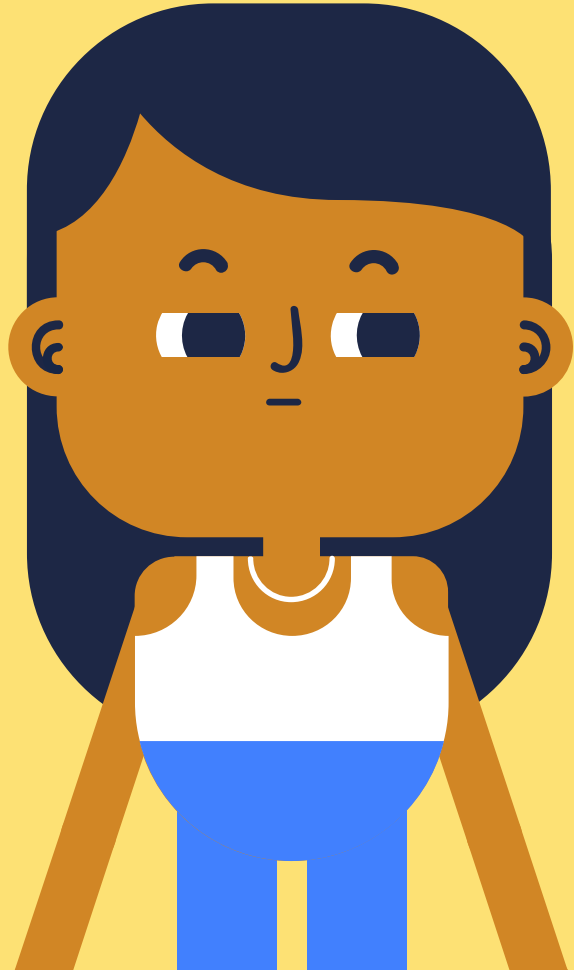
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- People with an anxiety disorder are 3 to 5 times more likely to go to the doctor and six times more likely to be hospitalized for psychiatric disorders than those who do not suffer from anxiety disorders.

<https://adaa.org/understanding-anxiety/facts-s>

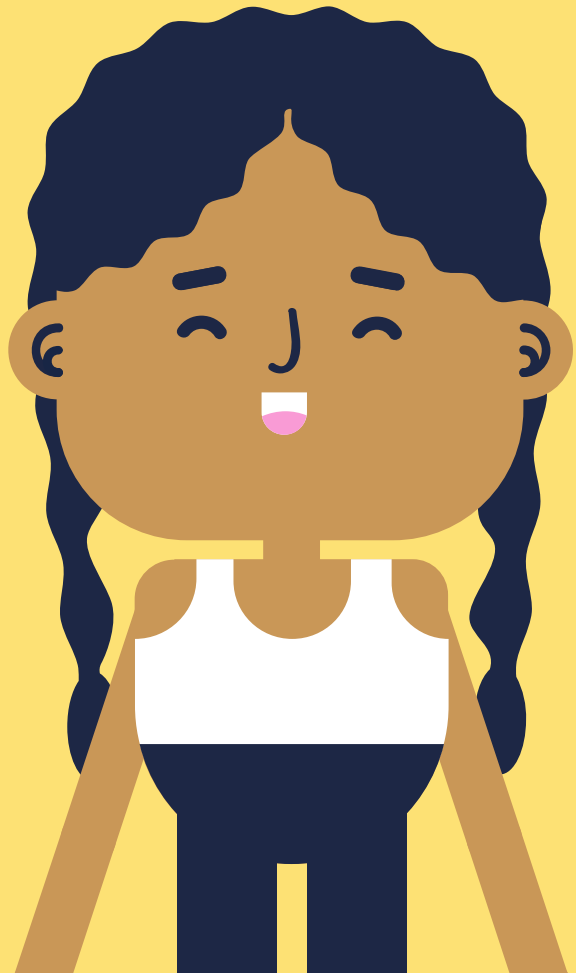


**WITH ONLY ROUGHLY  $\frac{1}{3}$  SEEKING  
TREATMENT FOR DEPRESSION.**

**IDENTIFYING THOSE AFFECTED  
MAY HELP IN SUPPORTING THEM,  
ESPECIALLY THOSE THAT DON'T  
TALK ABOUT IT!**



# Is it Possible To Identify Depression via Twitter?



**10,300**

Kaggle Dataset of Tweets

**2300**

Positive targets (Depression)



# TOOLS

# TOOLS



## TFID

Get weighted  
frequencies on  
words in corpus

# TOOLS



## TFIDF

Get weighted frequencies on words in corpus



## NMF

Reduce corpus to set amount of topics.

# TOOLS



## TFIDF

Get weighted frequencies on words in corpus



## NMF

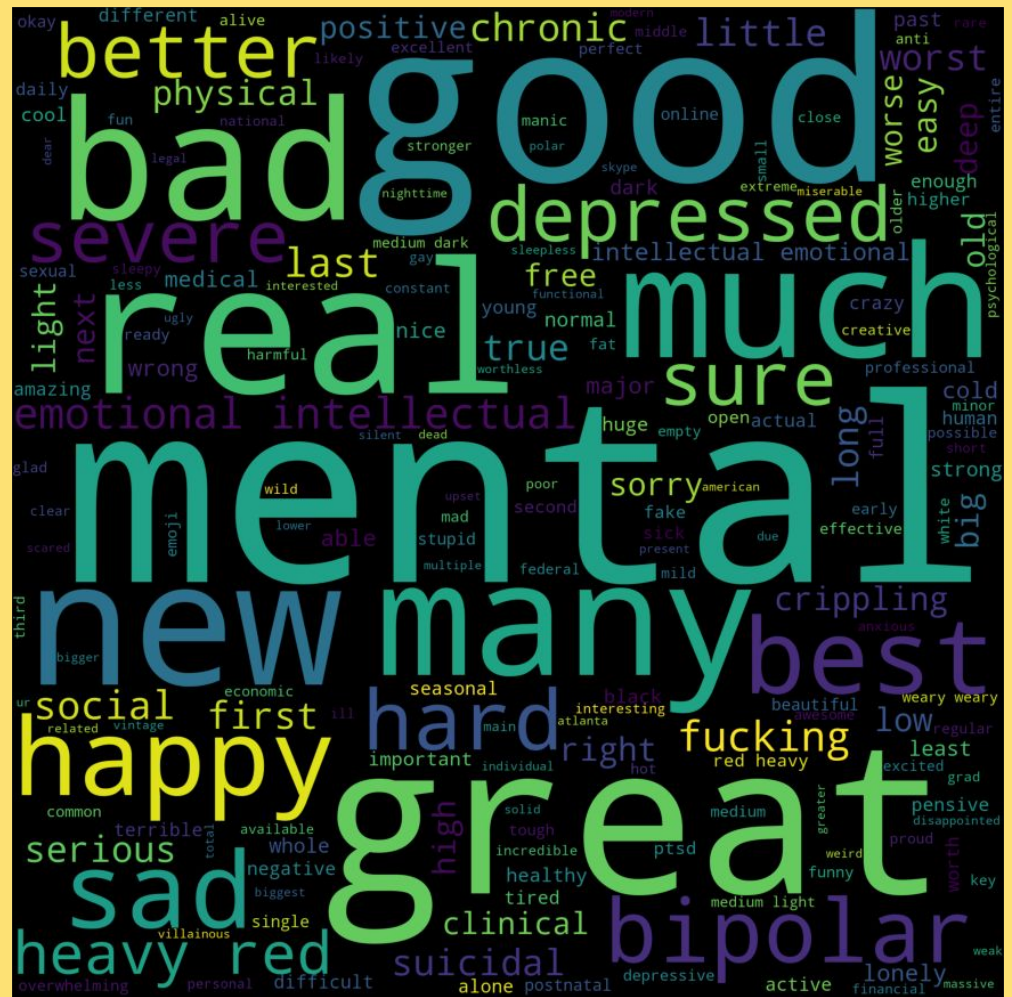
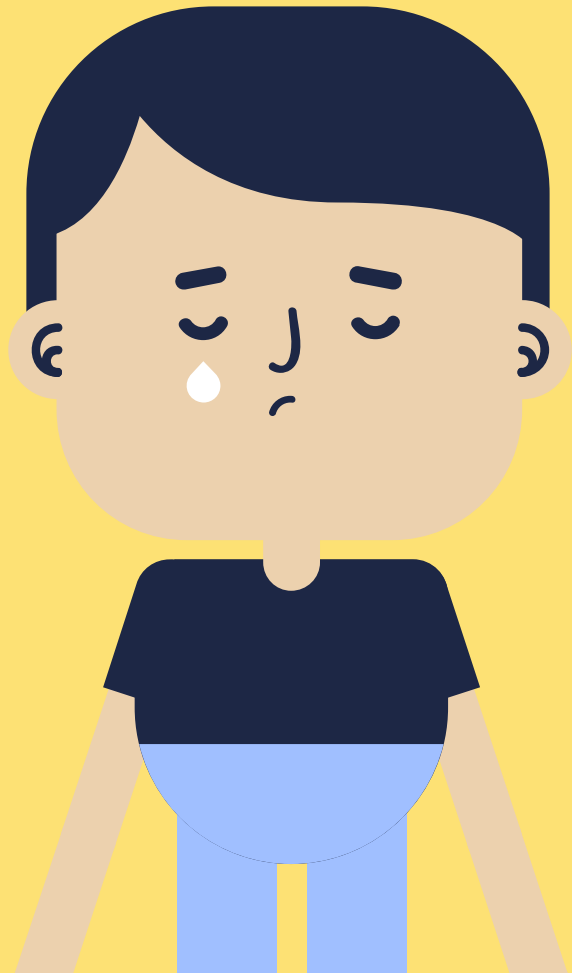
Reduce corpus to set amount of topics.



## K-Means

Clustering



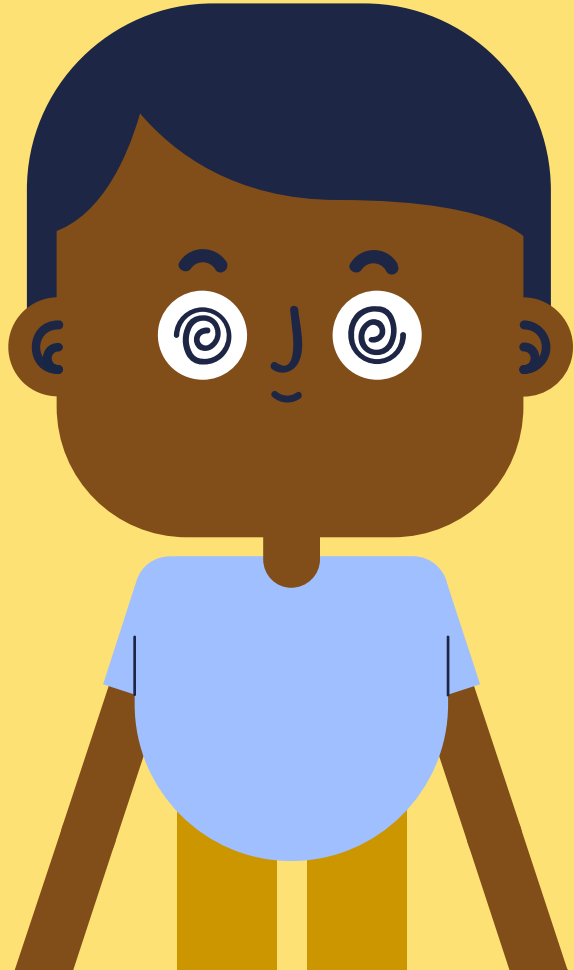


# ANXIETY & STRESS FOR CHILDREN

@SusanCalman 2/2 brothers  
suicide when I was 30. I would  
welcome a chance to share my  
story of survival of severe  
depression and trauma.

@AKCounsellor knows who I am

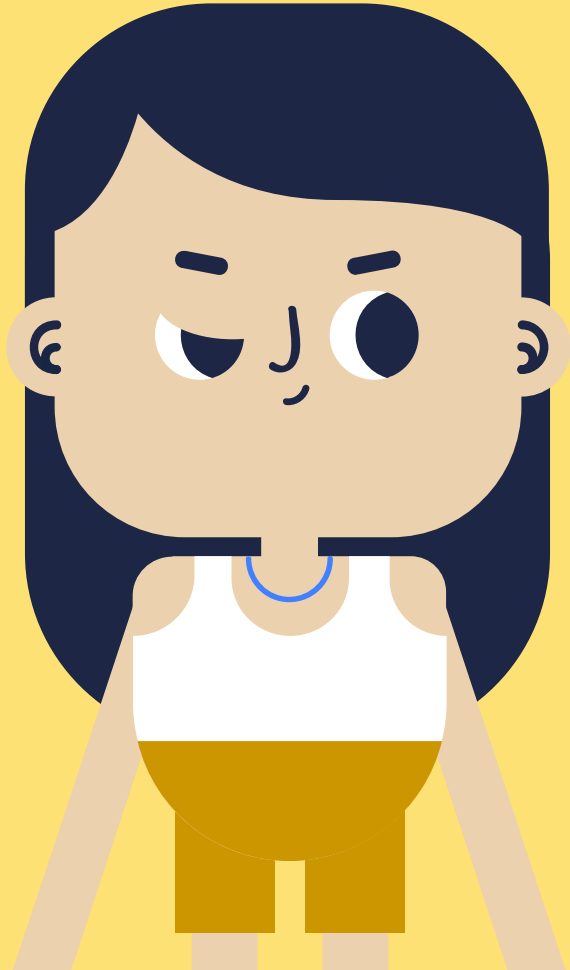




# USE OF MARIJUANA TO ALLEVIATE STRESS AND ANXIETY

RT @420weedin: Could 'one puff' of  
cannabis ease depression?  
#marijuana #cannabis  
<http://bit.ly/2HNEtbS>





# EXERCISE

Yoga is often recommended for depression and inflammation. If this is true, it makes more sense that we can find relief through yoga. It would also make sense for those who are bi-polar. Some days I feel great, other days I'm looking to crawl under a rock #depression #doyoga  
[https://twitter.com/zen\\_secrets/status/989112287586914304](https://twitter.com/zen_secrets/status/989112287586914304)



# DEEP DEPRESSION

Fear of Depression's Pain Makes  
Depression Worse  
<http://twib.in/l/B5gp7LAA4MLo>