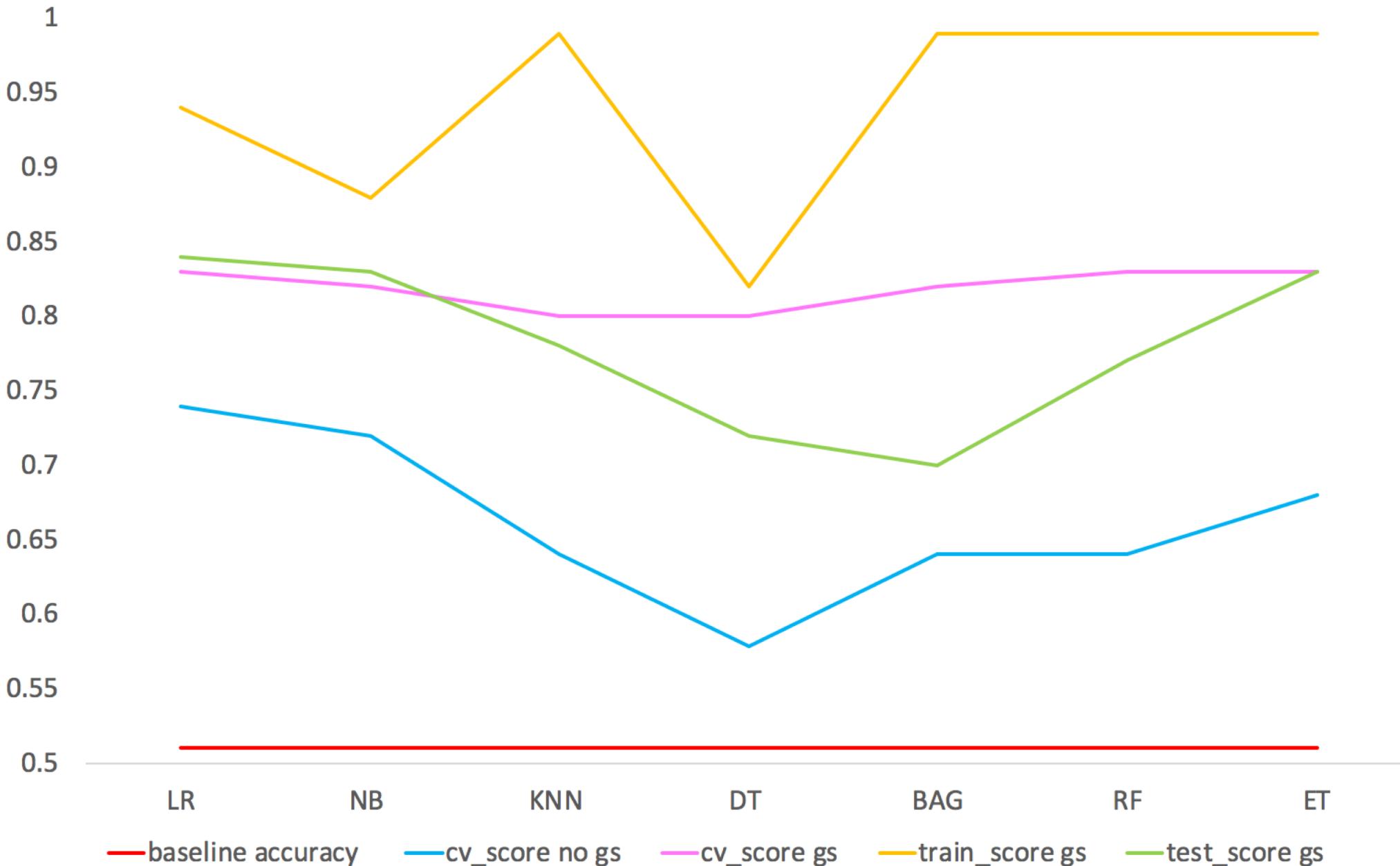




Depression
Disorder

Anxiety
Disorder

TfidfVectorizer()



Multinomial Naive Bayes Scores with TfidfVectorizer()

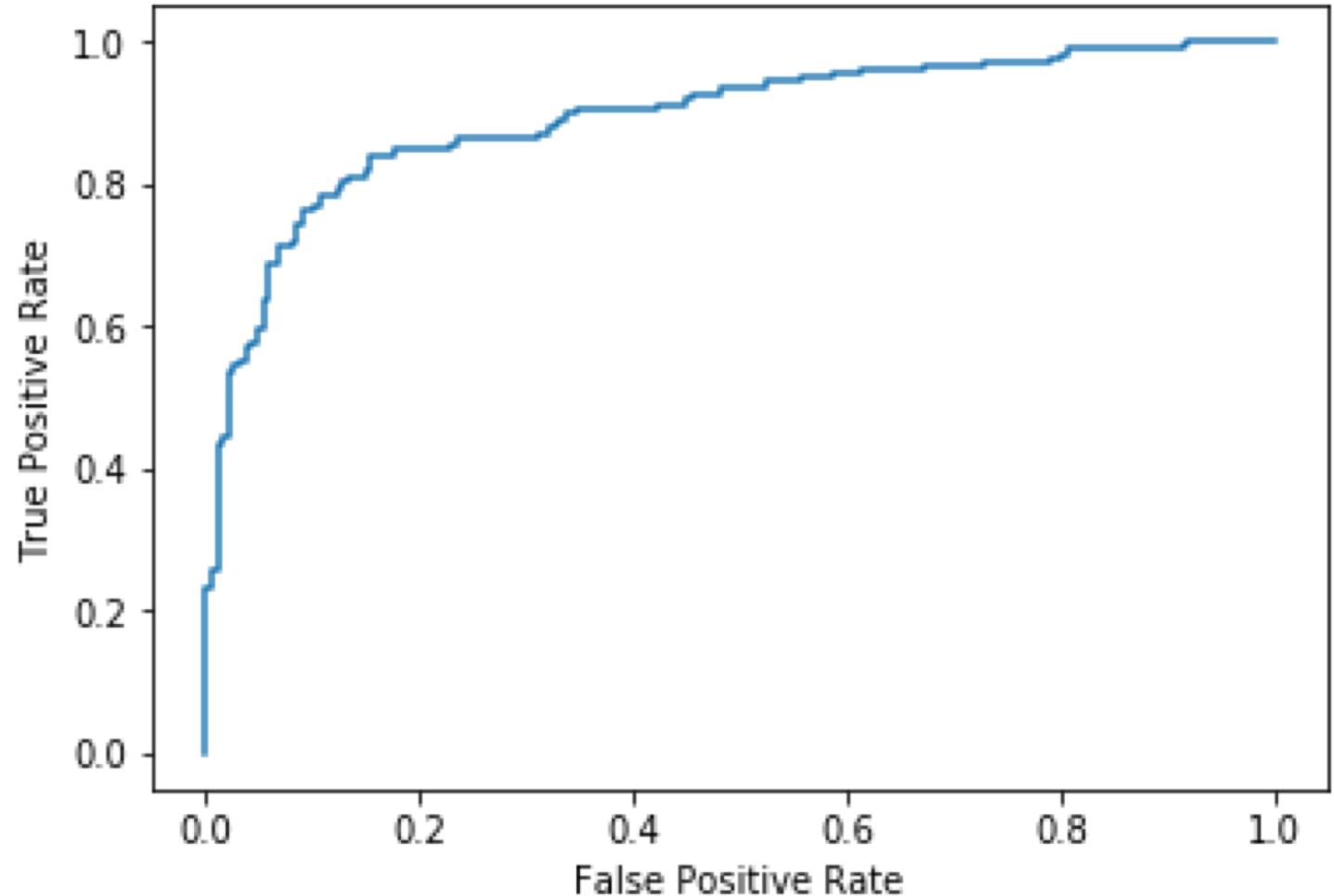


Best MNB Parameter: alpha = 1.0

Best TfidfVectorizer() Parameters: max_df = 0.7, min_df = 20, ngram_range = (1,1), stop_words = eng, max_features = 800.

Evaluation Metrics: Multinomial Naïve Bayes

Metric	Score
TP	36.7%
TN	45.5%
FP	5.4%
FN	11.9%
Accuracy	83%
Misclass	17.4%
Sensitivity	75.5%
Specificity	89.3%
Precision	87.2%



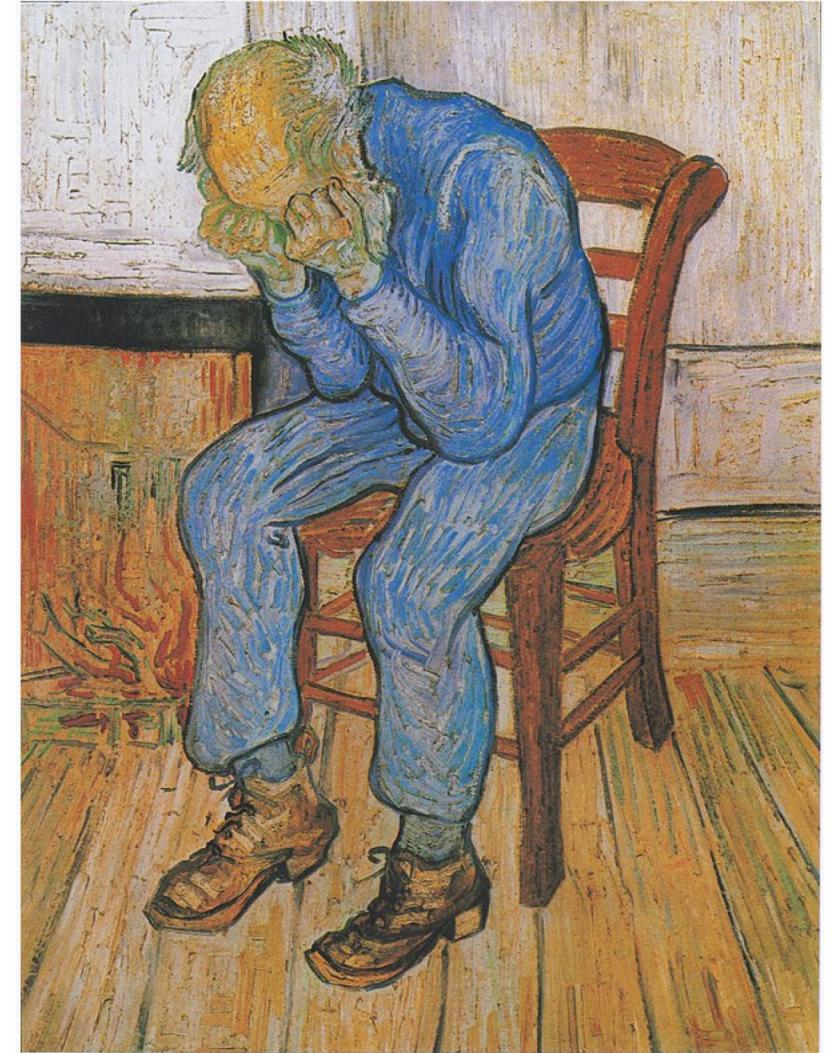
So What?



WIKIPEDIA
The Free Encyclopedia

Major depressive disorder (MDD), also known simply as **depression**, is a mental disorder characterized by at least two weeks of low mood that is present across most situations.

It is often accompanied by low self-esteem, loss of interest in normally enjoyable activities, low energy, and pain **without a clear cause**



Vincent van Gogh's 1890 painting
Sorrowing old man ('At Eternity's Gate')

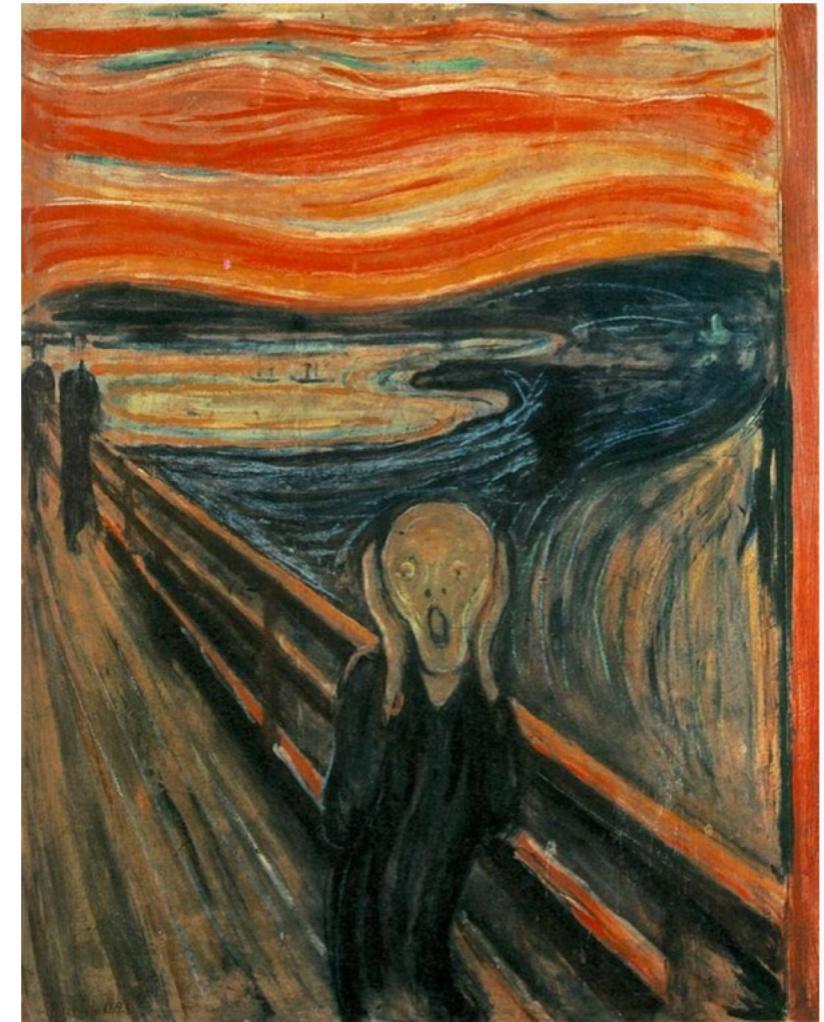


WIKIPEDIA
The Free Encyclopedia

Anxiety disorders are a group of mental disorders characterized by significant feelings of anxiety and **fear**.

Anxiety is a worry about **future events**, and fear is a reaction to **current events**.

Anxiety disorder



The Scream (Norwegian: *Skrik*) a painting by Norwegian artist Edvard Munch^[1]

Depression

numb **hurt** **lonely** **kill** **sadness**

ugly cut
escape mood

motivation **age** **worth**

suffering lack grades

Anxiety

awkward

like
feel
fall

work
watch

public

day
others

school

life

things

social