

# Emotion Translator for Autistic Students

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1

HIGH QUALITY  
BIG DATA

Millions of  
Tweets Including  
Emotion Hashtag

#JOY #ANGRY  
#SAD #DISGUST  
#FEAR #SURPRISE

2

TRANSFORMER-BASED  
ENSEMBLE APPROACH  
(BERT and ROBERTA)

Emotion  
Detection  
Model

Highest classification accuracy  
 $F_1 = 0.8$ ; 80% accuracy

3

VARIOUS APPLICATIONS  
Effects of specific emotions on:

Donation behaviour of UoA

Stock market prices of  
S&P500

Covid19 and Covid Vaccine

Nobody likes my  
funny jokes...

Emotion Translator

He feels...  
**SAD!**



Help autistic students to understand others' emotions.  
Also help companies to understand customer emotions.