

Mental Health: Exploring Neural Networks To Study Stress In The Tech Industry

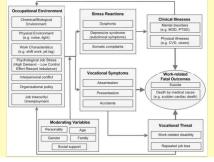
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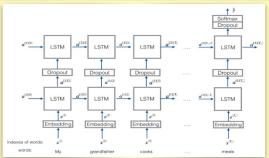
CS230 (Deep Learning), Stanford University



PROBLEM STATEMENT

Psychological Signs	Emotional Signs	Physical Signs	Behavioral Signs
Inability to concentrate or make simple decisions Memory lapses Becoming rather vague Becoming rather vague Less intuitive & creative Worrying Negative thinking Depression & anxiety	Tearful Irritable Mood swings Extra sensitive to criticism Feeling out of control Lack of motivation Angry Frustrated Lack of confidence Lack of self-esteem	Aches/pains & muscle tension/grinding teeth Frequent colds/infections. Allergies/rashes/skin Allergies/rash	No time for relaxation or pleasurable activities Prone to accidents, Prone to accidents, Increased relainace on alcohol, smoking, caffeine, recreational or illegal drugs Becommended and the control of the contr







Layer (type)	Output	Shape	Param #
input_1 (InputLayer)	(None,	10)	0
embedding_2 (Embedding)	(None,	10, 50)	20000050
lstm_2 (LSTM)	(None,	128)	91648
dropout_2 (Dropout)	(None,	128)	0
dense_1 (Dense)	(None,	5)	645
activation_1 (Activation)	(None,	5)	0
Total params: 20,092,343 Trainable params: 92,293 Non-trainable params: 20,00	0,050		

RESULTS

CONCLUSION

Plot of 30 min speech converted to emotion



FUTURE WORK

The derived analysis can be used in various ethical ways to improve the c

Unique indicators for a person

I. Mood and emotional

1. Mood and emotional

2. Confidence as general

2. Confidence as general

3. Posture, gail, weight and physical disposition

4. Time spent in sunjight per day

5. Time spent in fresh air per day

6. Travel time, frequency of travel

7. Folddays availed for relaxation

8. Speech Lack of speech

9. Eyes strain and screen time

10. Keyboard typing slyle

11. Work house sonals are innote

consumption

13. Caffeine consumption

14. Water consumption

15. Food habits

16. To of habits Special scenarios

RELATED WORK AND REFERENCES

To the professors and TA's for the amazing CS230 cour Fo my family and friends S, SS, SM for all the support.