

DECODING OF PRESSURE OVER NETWORKING SITES

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Abstract—Stress is one of the major thing what people are suffering from today. Everywhere in office or home people are undergoing stress. It may lead to death or some other deadly diseases like heart attack or depression. The stress of the person can be know through his or her behavior. In today's era we have a social networking platform where a person shares his thoughts it might be wats app, Facebook or twitter. The kind of details the user is being uploading is taken into the context and the stress level of that person is detected.

In this current study, we discover person's stress level is very closely connected to that of his/her networks of social-media, and we are using a bulky-scale dataset which is collected from the real-world social platforms like Facebook or twitter to steadily see the correlation of users' stress states and social interactions. We are proposing a new hybrid model which ensures a factor graph model pooled with Convolutional Neural Network (CNN) to force tweet gratified & social collaboration evidence for detecting stress level..

Keywords— Social interaction, mentally tortured, convolutional neural network, tracking, sentiment

I. INTRODUCTION

Mental health illness is one of the major concern in today's era. Most of the people are stressed it may be several reasons for it. Stress is something which cannot be cured or treated. The person suffering from stress may get into lot of troubles like heart attack or may suffer from depression. A person should not be effected by lot of stress level as it may lead to death.

II. LITERATURE SURVEY

In the past the stress was understood by the behavior or the person or looking at the way they communicated. It was very hard to get to know the level of stress they underwent or going through. Stress does not have any scientific calculator to calculate or to know whether the person is suffering from stress or not as it is very hard to detect the stress level. Today we have social networking platforms which helps us to know the level of stress the person is undergoing looking at their tweets they post or the tweet they repost or reply or like the post. It helps us to identify whether the person is suffering from stress.

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III. EXISTING AND PROPOSED SYSTEM

Existing System

In the existing system we are using tweet-level emotion detection by collecting the data posted by the users. But there series of tweets were not taken into the account. Only the tweets or posts were collected for the day which did not have enough evidence to come to conclusion that the person is really under stress because a single tweet or post cannot be used for considering the emotional level of a person. Though several techniques were used in the existing but they did not lead into the sufficient consideration. Hence we can say that there were loopholes in the existing system therefore it is required to go for proposed study

Proposed System

In the proposed system we are collecting the real-world datasets of the tweets or posts posted by the certain user or a specific user group. The data collected is applied with data mining techniques. We are proposing a new hybrid concept for generating a factor graph unit as well as Convolutional Neural Network to get to know the content of the tweet. Once the content of the tweet is known we can easily find out whether the person is in stress or not. The experimental results show that the proposed system is far better than the existing system by 7-8% increase in the detection of stress level.

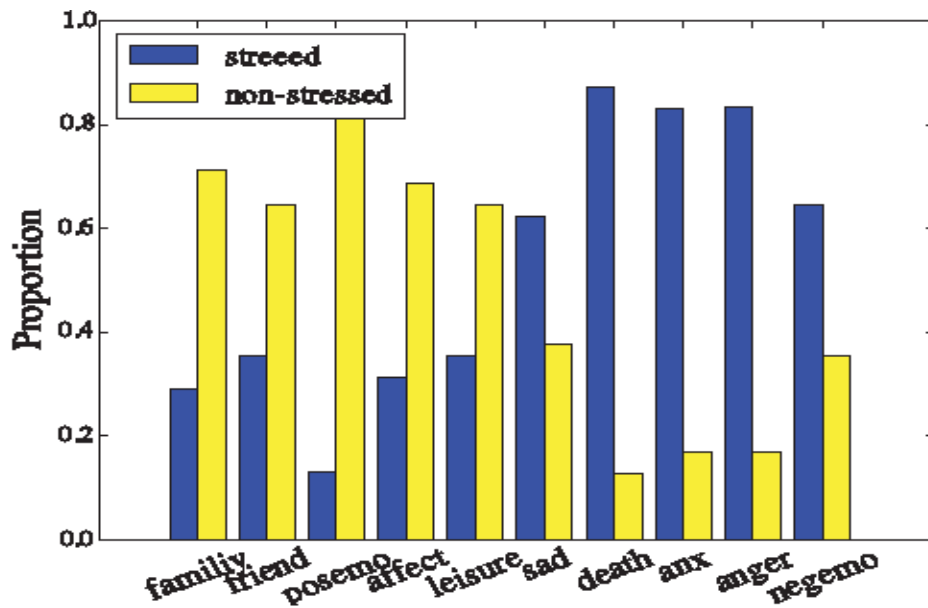


Fig1: Distribution Of Stress State

III. System Perspective

In system perspective here we are discussing about the architecture firstly we design a CNN with cross autoencoders (CAE) to generate client-level interaction content attributes from single tweet-level attributes. Then design a partially-labeled factor graph (PFG) to survey all three aspects of client-level attributes for detecting stress level of client. Social network modeling has been widely used of factor graph model.

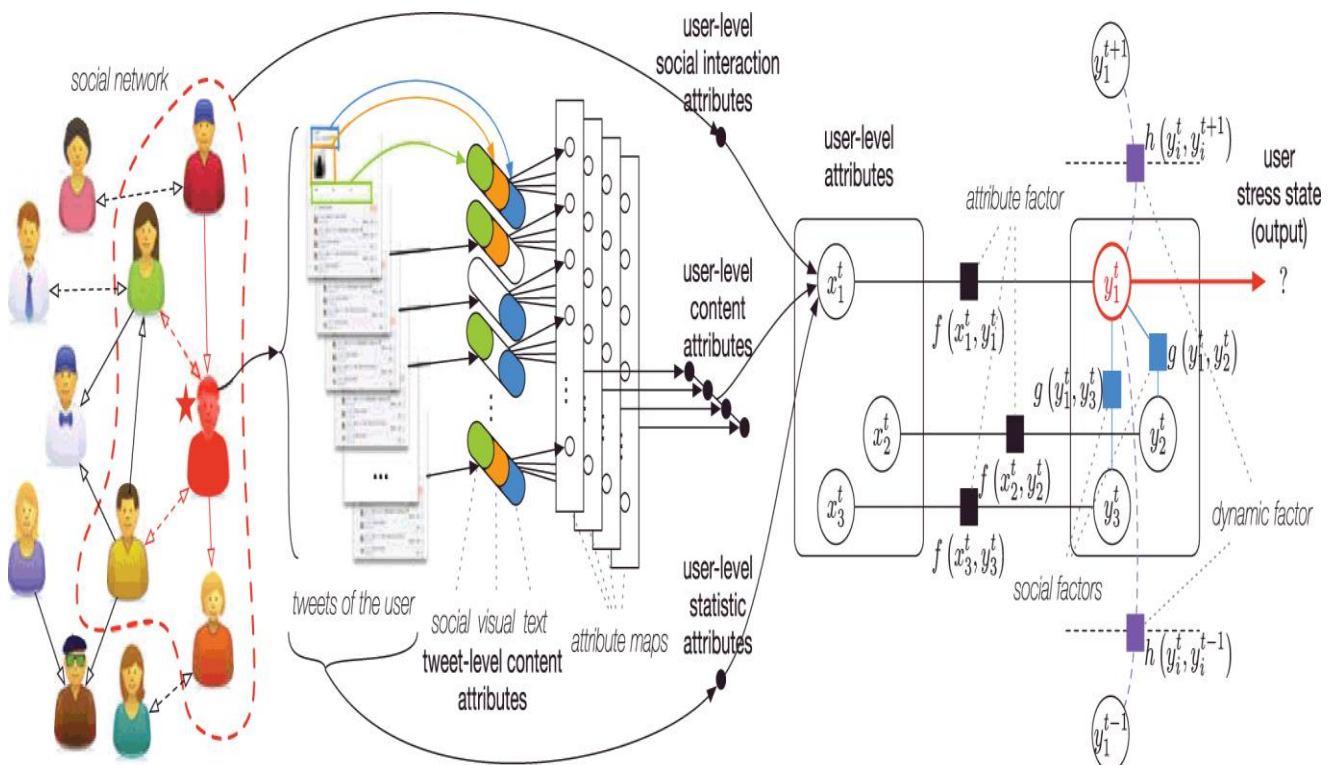


Fig 2: Architecture of The System

IV. TEST TABLE

Test Case	Description	Expected Result	Actual Result	Pass/Fail
TC01	Enter valid username and valid password	Welcome to main admin page should display	Admin main home page is displayed	Pass
TC02	Enter valid username and keep password as empty	It should display error message	Error message is displayed, as enter your password	Pass
TC03	Enter invalid username and password	It should display error message	Error message is displayed, as enter your username	Pass
TC04	Enter invalid username and invalid password	It should display error message	Error message is displayed, as invalid login details please try again	Pass

Fig 4: Table 1

V. CONCLUSIONS

In this paper we have proposed a new technique for detecting stress in today's era. As stress is one of the major issue the people are facing with. We are using the social network platforms where the user tweets or post certain post using those data which are collected for analyzing and detecting the stress level of the person. Using this social platform data we have increased up to 7- 8% of detecting level of stress when compared to the existing system.

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