



A FUTURISTIC CONCEPTION OF TACKLING THE ISSUE IN IDENTIFICATION OF EMOTIONAL INTELLIGENCE FROM SOCIAL NETWORKING SITES

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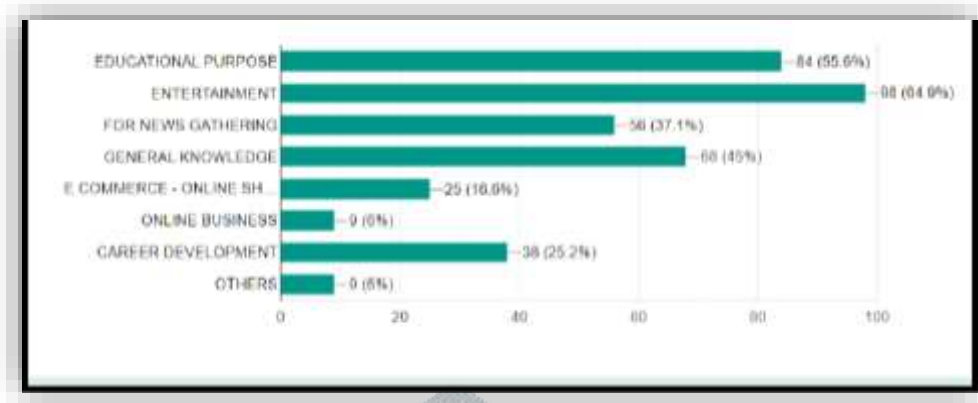
Abstract - Social Networking Site (SNS) is a worldwide peculiarity in which altogether has modified in the manner where individuals deal with the relationship with themselves and with others. Social Networking Sites are brimming with emotions and assessments of individuals everywhere in the world. Individual to individual in social media sites is taken a center stage in our lives and in these easy going messages we will frequently show a lot of emotions towards a particular social explanation or towards companions. Emotions force from a short message can help us in distinguishing the level of emotions in a sentence having a place with a similar emotions class. We consider English text collected from Social Networking Sites like Twitter, Face book, Instagram, Flickr, WhatsApp, Youtube, PInterest, We Chat, etc., which can give data having utility in an assortment of ways, particularly Personal Information Mining. The positive effect of SNS is identified with a degree of certainty when the individuals get inputs on the virtual posts. SNS is used as a communication medium to share pictures, videos and personal experiences etc. Over- usage of Social Networking Sites makes the individuals more aggressive. It also affects the individual's social awareness as well as Emotional Intelligence. The classification and quantification of emotions of text in any form and we tend to classify those text into six different Emotion-Categories: Happiness, Sadness, Fear, Anger, Surprise and Disgust. The findings of the study revealed that there exists a positive relationship between the levels of involvement in social networking sites of an individual and also it proposes the problem of fake news detection in SNS. This research is to tackle the issues in identification of emotional intelligence from Social Networking Sites.

Index Terms - Emotional Intelligence, Privacy, Social Networking Site, Prediction Models, Emotional Intensity

I. INTRODUCTION

A Social Networking Site is an online platform which people use to build social networks or social relationships with other people who share similar personal or career content, interests, activities, backgrounds or real-life connections. It also allow the individuals to share ideas, photos, videos, and virtual posts, Social Networking Sites (SNS) are a way for individuals in the disconnected world to remain associated. It also acquired worldwide prevalence as a medium through which individuals send, coordinate, and, at times, carry on with Emotional Intelligence lives. SNS are unequivocally participatory, dialogical, and client content. Destinations like MySpace, Facebook, Twitter, and YouTube are scattering entrances, exhibiting in Social Networking Sites ways articulations of day to day existence that welcome remark and conversation. SNS are both item and part of a period of globalization and are without a moment's delay an abundant of social and financial interconnectivity and popularity based

strengthening. An unrivaled data asset and instructive device, is a system for personality work and furthermore it is an indicator of Emotional Intelligence neighborhood, public, and worldwide imbalance and medium for illegal, criminal, and psychological behavior. The worldwide multiplication of SNS clients with exceptionally variegated applications in numerous likely settings has instigated a frequently careless acknowledgment and standardization of SNS as a component or extra of day to day existence. Such pervasiveness and integrality of the SNS to public activity that it has become practically key and, for the Net Generation, a way of



life fundamental.

Figure 1: Reasons for Using Social Networking Site

In any case, while taking advantage of the different characteristics and comforts of SNS, individual clients and client networks might turn out to be submerged and persuaded of the web-based content as to unsuspected the security of area framework and authenticity of data movement to other unidentified areas for known clients. Emotions are a compulsory part of human instinct that can be considered as genetic. Additionally it has been observed that statement of specific emotions by various people is indistinguishable. Some constant emotions that last significantly longer outcome in mind-set. Disposition can be an aftereffect of a mix of specific emotions of an individual. In basic emotions can be arranged into two essential and complex. Fundamental emotions are joy, sadness anger fear disgust. The complicated emotions are a mix of at least two fundamental emotions that are capable by an individual at an occasion.

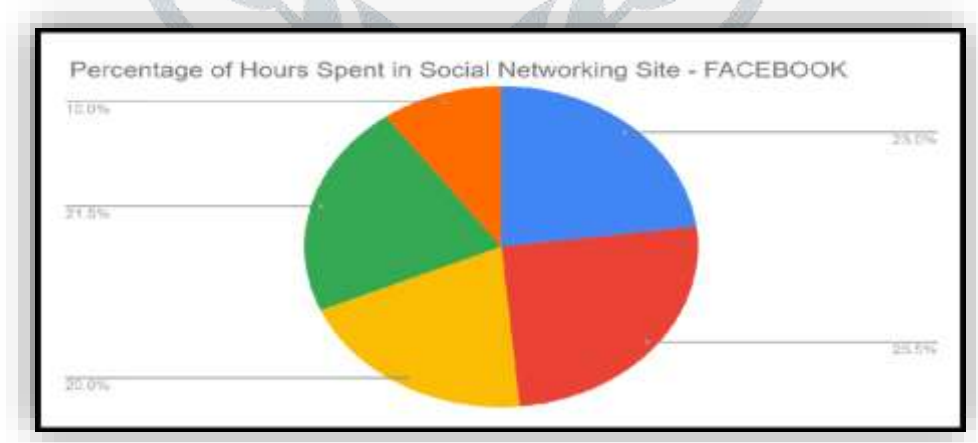


Figure 1.1 : Time Spent in Social Networking Site – Facebook (eg)

Despite the fact that emotions have no reasonable limits proposes a hypothesis with Emotional Intelligence essential emotions which incorporate six alongside trust and expectation. The range shows force, nearer to the middle, likewise recommended that the Emotional Intelligence fundamental emotions structure four differentiating sets like satisfaction of joy & sadness, anger & fear, trust & disgust, anticipation & surprise.

II EMOTIONAL INTELLIGENCE

The Intelligence Quotient or IQ is a score gotten from one of a few diverse tests to gauge insight that has been utilized to survey talent, and in some cases support enrollment. Many have contended that IQ, or regular insight, is excessively tight. Certain individuals are scholastically splendid yet socially and relationally inside and out we realize that achievement doesn't naturally follow the people who have a high IQ rating. More extensive spaces of knowledge empower to direct how effective we are. Strength, assurance, and vision help, be the ability to appreciate anyone on a deeper level, frequently estimated as a capacity to appreciate people at Emotional Intelligence score remainder, or EQ, is increasingly more pertinent to significant business related results like individual execution, hierarchical efficiency, and creating individuals since its standards give a better approach to survey the practices, the executives styles, perspectives, relational abilities, and capability of individuals. It is an undeniably significant thought in human asset arranging, position profiling, enlistment talking and choice, learning and improvement, and customer relations and client care, among others. People have various characters, needs, requirements, and methods of showing the characteristics of Emotional Intelligence.

III EMOTIONS IN SOCIAL NETWORKING SITES

Social Networking Sites (SNS) has changed the conduct inside and outside the association. It has given new freedoms and presented new dangers. A positive translation of online Social Networking Sites draws on the prospect that Social Networking Sites has given additional opportunities to the inward utilization of outer information just as to the external dealing of internal knowledge. This has implied huge enhancements especially in initiative leadership, innovation management, knowledge management, marketing communication, and customer service. Studies have shown that Social Networking Sites has made associations straightforward in an unrivaled manner. The expected outcomes have likewise been recognized secondary effects, for example, the deficiency of control and ability to deal with an organization's public image. The more open and social associations have turned into, the greater weakness has turned into the chances of brand affronts and the deficiency of classified data have expanded tremendously. Ironically, it might likewise occur and have brought up that Social Networking Sites can be utilized for political purposes by chiefs inferring that online Social Networking Sites is no more 'social', 'open' or 'participatory' than other specialized strategies. Social Networking Sites is crawling into numerous parts of our lives. A piece distinctly, it very well may be contended that numerous practices that sociologists study are these days occurring on the web. Online Social Networking Sites is certainly not an option in contrast to reality, yet it is important for it. Online Social Networking Sites is as yet a somewhat new peculiarity whose results can't be completely anticipated. Notwithstanding, some refined speculations can be made. The first is that conduct in quite a while goes against with the hypothesis of entryway keeping. It is the cycle through which data is separated for scattering. Each medium has guardians, who choose and limit the data streams, for instance, conclude which sources are picked to remember for a story, while editors conclude whether stories are printed or covered. As opposed to conventional mass correspondence, online Social Networking Sites is an unregulated setting permitting customary individuals to distribute nearly anything that goes to Emotional Intelligence. There is no space for guards in web-based media. Obviously, many investigations have shown that Social Networking Sites is a field for sharing data that reflects negative emotions.

The study focusing in aggregate negative emotions in Social Networking Sites is significant in light of the fact that individuals have these days admittance to online conversations, writes and even Web destinations committed totally to sharing negative enthusiastic encounters Whether that mirrors "data majority rules system" or not, a likelihood to ventilate sentiments online represents a colossal test for associations. After investigating the writing, it investigates and examines the ramifications of negative emotions shared in social media. It proposes the life systems of the dissemination of aggregate negative emotions in social media. Detrimental consequences, it is assumed that negative emotions might have positive outcomes.

It helps in advancing items and administrations, as it empowers the dissemination of zeroed in opportune and selective deals and coupons to would-be clients. Furthermore it can aid relationship building, for example, through dedication programs connected to web-based media on collective negative emotions in Social Networking Sites is important because people have nowadays access to online discussions, blogs and even Web sites devoted entirely to sharing negative emotional experiences Whether that mirrors "information democracy" or not, a possibility to ventilate emotions online poses a huge challenge for organizations. It explores and

discusses the implications of negative emotions shared in social media. In addition to detrimental consequences, it is supposed that negative emotions may have positive effects.

IV EMOTIONAL DIMENSIONS WITH NEGATIVE VALENCE AND POSITIVE AROUSAL

Social Networking Sites refers Emotional Intelligence to a constellation of Internet-based applications that derive Emotional Intelligence value from the participation of users through directly creating original content, modifying existing material, contributing to a community dialogue. Emotion is defined as emotions state involving thoughts and physiological changes, outward expressions such as facial reactions, gestures or postures. Adapting Bar-Tal et al. (2007) and Schwzer & Garcia (2010), focuses on collective emotions, which are shared by a large number of individuals who are not necessarily members of the same group or society.

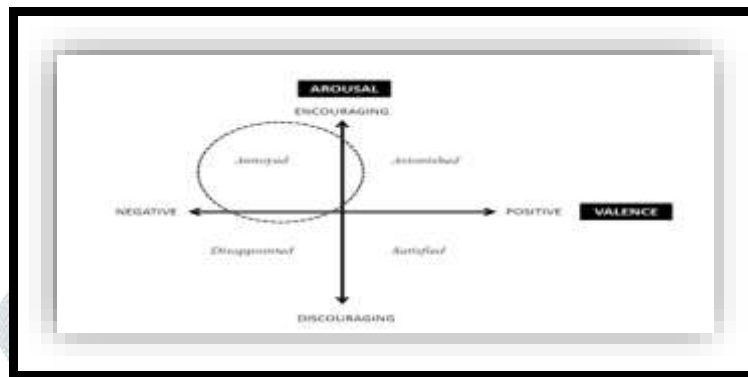


Figure 4.1: Emotional Intelligence with Positive Valence & Negative Arousal

Social Networking Sites extends organizations creating new possibilities to engage with stakeholders both internally and externally. Through social media, organizations can acquire inspiration from Emotional Intelligence customers, suppliers and other stakeholders. Social Networking Sites can also be used for getting to know consumer's preferences and testing the ideas that are Emotional Intelligence developed within the organization before Emotional Intelligence launch on the market.

V FIVE DIMENSIONS OF EMOTIONAL INTELLIGENCE

The intelligence quotient, or IQ, is a score deduced from one of several different standardized tests to measure intelligence that has been used to assess giftedness, and occasionally bolster reclamation. Numerous have argued that IQ, or conventional intelligence, is too narrow some people are academically brilliant yet socially and interpersonally inept. And we know that success doesn't automatically follow those who retain a high Command standing. Wider areas of intelligence enable or mandate how successful we are. Durability, determination, and vision help. But Emotional Intelligence, frequently measured as an Emotional Intelligence quotient, or EQ, is more and more applicable to important work- related issues similar as individual performance, organizational productivity, and developing people because its principles give a new way to understand and assess the actions, operation styles, stations, interpersonal chops, and eventuality of people. It's a decreasingly important consideration in mortal resource planning, job profiling, reclamation canvassing and selection, literacy and development, and customer relations and client service, among others. Individualities have different personalities, wants, needs, and ways of showing Emotional Intelligence feelings. Navigating through this requires tactfulness and sharpness especially if one hopes to succeed in life. This is where Emotional Intelligence proposition helps. In the most general frame, five disciplines of Emotional Intelligence cover together particular (self awareness, self regulation, and self motivation) and social (social awareness and social skills) capabilities.

VI PREDICTION MODELS OF EMOTIONAL INTELLIGENCE

We propose an Emotional Intelligence prediction model which evaluates the user's Emotional Intelligence by analyzing the text and interactive information in social networks. Definitions of Emotional Intelligence include one or more of the key components, all of which are included in the Bar-On model. We predict users' Emotional Intelligence based on Emotional Intelligence. Through the text that they published and the basic information including the number of comments, the number of retweets, publishing time, we carefully select a set of rules based on conceptualizations of Emotional Intelligence. Thus, the models are based on four dimensions including self-awareness, self-regulation, self-motivation as well as social relationships according to the psycho-Emotional Intelligence theory. These four dimensions represent different aspects of Emotional Intelligence, including perceiving emotions, managing emotions, and interpersonal relationships.

6.1 Self Awareness

The self-awareness (A) reflects the ability to accurately identify one's own emotions and the appraisal and expression of emotions encompassing the ability to be sensitive to the slight variations between emotions. The categories and intensities of sentiment words in the text can reflect the user's sentiment. Later analyzing the emotional words of tweets from the users, self awareness is calculated.

6.2 Self Regulation

The self-regulation(R) includes the ability to manage disruptive emotions and impulses. Therefore, showing emotional intelligent people listen to harness emotions. The high mean of sentiment values, the low variance and users' emotional change are the measurement of the emotional instability or disorder of a user. We obtain the value of self-regulation by the degree of sentiment changes.

6.3 Self Motivation

The self-motivation (M) measures whether the user's emotions are always in a positive state and the recovery from disappointment is rapid. The self-motivation can be measured by the time of the recovery from the depressed stage to the emotionally stable stage and overall emotional state of the users.

6.4 Social Relationship

The social relationships(S) measure the ability of infecting others' emotions, and the harmonization in the process of interpersonal interaction. Emotional Intelligence helps individuals to behave properly, which allows them to maintain good relationships. The number of comments, the number of followers and the number of retweets can reflect social relationships. We consider the number of the mood swings and average sentiment value as the factors that affect social relationships.

THE VALUES OF FOUR DIMENSIONS OF EMOTIONAL INTELLIGENCE					
NO.OF USERS	A-SELF AWARENESS	M-SELF MOTIVATION	R-SELF REGULATION	S-SOCIAL RELATIONSHIP	SUM
USER 1	0.6576	0.65899	1.26609	0.31275	2.8954
USER 2	1.2721	0.52058	1.145383	0.809535	3.7361
USER 3	1.10951	0.6302	1.01585	0.64672	3.404

Figure 6.1 : Four Dimensions of Emotional Intelligence

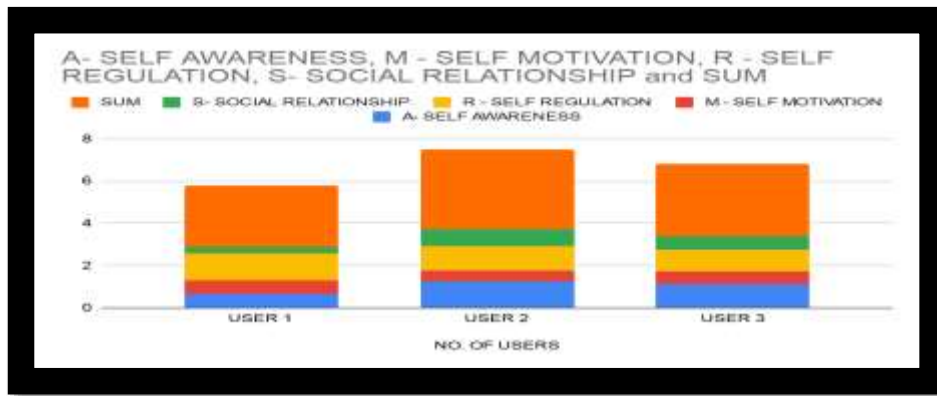


Figure 6.2 : Number of Users based on Four Dimensions of EI

A represents self-awareness, M represents self-motivation, R represents self-regulation, and S represents social relationships. The values are the range for the four dimensions of Emotional Intelligence of a user after data standardization. The shaded areas can be viewed as the sum of the four dimensions of Emotional Intelligence.

VII ANALYSIS OF FOUR DIMENSIONS OF EMOTIONAL INTELLIGENCE

7.1 The Distribution of Values of Emotional Intelligence

We analyze the histogram of four dimensions of Emotional Intelligence discover that they obey normal distribution. The distribution area of the values of self-awareness is smaller to narrow than the values of self-motivation and mostly concentrate on the low-value region. The values of self-regulation are also distributed in the low-value region. On one side the deviation of identifying sentiment words results with lower values. On the other hand, users are inclined to publish more text with positivity. Therefore, the number of categories of sentiment words is less. The number of low values of social relationships is larger than high values, owing to the number of comments and retweets Emotional Intelligence being small in most cases.

7.2 Gender Difference

Social theory is considered as the theoretical basis to explain the gender differences in behavior. Social role theory points out that gender differences in behavior is mainly due to the process of the social construction, and encodes and processes information in different patterns between men and women. Although gender differences have been found in previous work, in this study, we focus on the gender differences in Emotional Intelligence. We compare correlation coefficients across genders. We calculate the average values of four dimensions for different genders. From, we note a relationship between Emotional Intelligence and gender.

The results show that Emotional Intelligence of females are higher than those of males. This supports the hypothesis that women have more Emotional Intelligence values than those of males. Intuitively, females are mostly expected to be more expressive of emotions in the culture. This result is in accordance with the previous work

GENDER	A- SELF AWARENESS	M - SELF MOTIVATION	R - SELF REGULATION	S- SOCIAL RELATIONSHIP	SUM
FEMALE	1.147648	0.605886	1.244395	0.479632	3.477561
MALE	1.040861	0.557913	1.215466	0.476139	3.29038

FIGURE 3.5 THE RELATIONSHIP BETWEEN EMOTIONAL INTELLIGENCE AND GENDER

7.3 Correlation Coefficient Analysis

As shown below, the values of the four dimensions of Emotional Intelligence gradient descent. And obviously, the contours of the joint probability density of the self-awareness and the self-motivation bend greatly. Its distribution is dense and decreases rapidly which implies a great difference in numerical value. Further, we analyze the Spearman’s correlation and the Pearson’s correlation. The Spearman’s correlation assesses monotonic relationships, while the Pearson’s correlation assesses linear relationships. From the table, we can observe that the linear relationships of the four dimensions of Emotional Intelligence other than the self-awareness and the self-motivation are not obvious.

CORRELATION	PEARSON			
	A- SELF AWARENESS	M - SELF MOTIVATION	R - SELF REGULATION	S- SOCIAL RELATIONSHIP
A- SELF AWARENESS	1	0.787	0.4468	0.1725
M - SELF MOTIVATION	0.787	1	0.5157	0.085
R - SELF REGULATION	0.4468	0.5157	1	-0.0118
S- SOCIAL RELATIONSHIP	0.1725	0.085	-0.0118	1

FIGURE 7.1 CORRELATION COEFFICIENT ANALYSIS - PEARSON

CORRELATION	SPEARMAN			
	A- SELF AWARENESS	M - SELF MOTIVATION	R - SELF REGULATION	S- SOCIAL RELATIONSHIP
A- SELF AWARENESS	1	0.8762	0.8517	0.8743
M - SELF MOTIVATION	0.8762	1	0.8598	0.8732
R - SELF REGULATION	0.8517	0.8598	1	0.88
S- SOCIAL RELATIONSHIP	0.8743	0.8732	0.88	1

FIGURE 7.2 CORRELATION COEFFICIENT ANALYSIS - SPEARMAN

While monotonic relationships of the four dimensions of Emotional Intelligence are significant. The results also accord with our hypothesis that the value of one dimension of Emotional Intelligence tends to increase when the other increases.

VIII CONCLUSION & FUTURE DIRECTION

This research work closes an exploratory review which evaluated whether there were relationship between fake news detection and Emotional Intelligence. Utilizing a clever proportion of fake news detection, we show that people who are high in ability to understand individuals on a profound level and who are dynamic in Social Networking Sites are bound to succumb to fake news. Our subjective discoveries additionally give more profundity and understanding into why certain individuals succumb to fake news. At last, we layout manners by which our discoveries could be utilized to upgrade fake news discovery in the short (for example utilizing existing Facebook user data) and medium terms (for example the ability to understand individuals on a profound level preparing) . Emotion generation and analysis have various pragmatic applications managing individuals information's, human machine interaction, data recovery, normal text-to-speech frameworks, and in social and literary analysis.

However, just a restricted inclusion on emotion resources exist, and that excessively just for English language.. We as a whole are simply close basics it's quite far to go. This paper certainly proposes that to deal with negative emotions shared in Social Networking Sites. In this work, we propose prediction models to measure Individuals Emotional Intelligence through analyzing texts and intuitive data in Social Networks. The models are communicated with four dimensions including Self Awareness, Self-Regulation, and Self-Motivation & Social Relationship. The exploratory outcomes show that the appropriation of individuals Emotional Intelligence score is Normal. The outcomes additionally demonstrate that Emotional Intelligence of females are higher than those of males. Also, we contrast the topics among users and low scores and high scores and classify individuals from the perspective of Emotional Intelligence with the aim of further revealing the inherent law of users' emotional expression in social networking sites.

. In future, the research work plan to identify more emotions, design more fine-grained features to better predict users Emotions and conduct experiments on Social Media data. Therefore we compare the relationship between Emotional Intelligence and Personal Information data collected from the different set of individuals. Additionally, we plan to employ questionnaires to optimize the prediction models. Recent research has shown that it is fitting to deal with various sorts of sentences by various procedures. Some specialized tools should be devised to mine specific emotions from variable sources of information which give exact outcomes. Also such prediction models evolved to handle multilingual data sets.

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