CSCM69: Human-Centred Perspectives and Methods Coursework 1

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ABSTRACT

Author Keywords

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CCS Concepts

•Human-centered computing → Human computer interaction (HCI); *Haptic devices*; User studies; Please use the 2012 Classifiers and see this link to embed them in the text: https://dl.acm.org/ccs/ccs_flat.cfm

INTRODUCTION

As of December 2019, the internet has 4.54 billion users, while the world has 7.8 billion people [18]. As these figures show, there is a lot of users on the internet. These figures show that 58% of the world's population is online, which is a lot of people. Out of these 4.54 billion internet users, 3.725 billion users are active on social media to an average of 142 minutes a day [18]. Facebook accounts for about 21% of all of the social media referral traffic in the world. It is also driving 23% of all traffic across all of the internet [17, 18]. However, there are many other social media outlets available. Some of these include Instagram, Pinterest, LinkedIn, YouTube, Twitter, TikTok and Snap Chat, to name a few.

Another exam of how social media has become ingrained into our everyday lives is that approximately 80% of world leaders have Twitter accounts [17]. However, the frequency of the tweets will vary depending on one leader to another. Between October 2018 and 2019, social media users grew by 328 million, which works out at ten new social media users per second [18].

While social media can bring up many conversations, some of these conversations include privacy, as only 25% of Facebook users bother to check or adjust their privacy settings [17]. Other discussions include social medias ethics about them needing to holding so much information about you, which has recently got brought to light with the Cambridge Analytica

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fiasco. Mental and substance use disorders are the leading cause of years lived with disability worldwide and in 2010 accounted for 7.4% of years of productive life lost due to disability [10]. We feel more needs to be asked of what the social media giants are doing to tackle mental health problems, as almost one-quarter of Facebook users check the site five times or more per day [17]. Also, the median number of friends the average Millennial Facebook user has in their network is 250. However, are these people that they know or just random connections. While being a teacher previous, are a crucial topic concerning safeguarding and the peoples' lives and is it disconnecting them from the real world more and more?

SYNTHESISING THE PAPERS

Young people are frequently turning to sites such as Facebook and Twitter to escape from the outside pressures threatening their mental health [5]. Adolescents living in many countries (including low, middle and high income) have seen information and communication technologies such as social media become integral to their education, culture and social life [1, 20]. Evidence suggests social media use is associated with mental health in young people, but underlying processes are not well understood. However, it got found that the extent of the association between social media use and depressive symptoms was larger for girls than for boys. Compared with 1–3 h of daily use: 3 to < 5 h 26% increase in scores vs 21%; ≥ 5h 50% compared to 35% for girls and boys respectively [11]. Another study also showed that although there is some indication of a general connection between adolescent social media use and negative indicators of health, for example, sleep problems, anxiety, lower self-esteem [19, 16]. However, as most research on the link between social media activity and psychosocial adjustment gets based on young adults. It, therefore, is not clear how well the findings apply to the generation of adolescents who never known a world without such platforms and who presumably have frequent contact with social media [3]. However, despite the relative significance of protecting mental health and emotional wellbeing, adolescents tend to have limited knowledge of what it means to be mentally healthy or how to maintain this status [6].

Although social media may be facilitating new forms of communication and social connection [2], initially there were worries about the amount of time young people were spending online. This concern was due to internet use was being linked to a decrease in face-to-face contact, increased social isolation, stress, depression and sleep deprivation [13, 8]. It gets

claimed to facilitate offensive and harmful behaviour, arguably detrimental to mental health [14]. However, some research contradicts this 'internet paradox' [15] by presenting evidence that such negative traits disappear once internet novices became more mature users of ICT [12]. Furthermore, the effects of internet usage upon those with conditions such as depression got argued to be dependent upon the purpose of its use and the pre-existing social resources of individual users [4]. Nevertheless, policymakers have proceeded to express anxieties concerning the level of risk that adolescents get exposed to on social media [5].

Most important finding was that social media activity, for example, the number of accounts adolescents have and their self-reported frequesncy of checking social media, was moderately, positively related to the Fear of Missing Out (FoMO) and loneliness. Additionally, as well as with parent-reported hyperactivity or impulsivity, anxiety, and depression [3]. The latter findings are particularly unique in that they cannot get explained by shared source varience. These unexplained findings were due to adolescent-reported social media activity was associated with externalising and internalising symptoms that were reported by parents. However, a teen otherwise engaged in mundane activities. These activities include waiting in line, doing homework, being out with friends. Hyperactivity or impulsivity teens may have a more incredible urge to engage with social media. That is if the opportunity were to exist [3]. The youth with higher internalising symptoms may get drawn to social media as a means to connect to others. Admittedly, adolescent-reported loneliness got related to having a higher number of social media accounts in this sample. Previous evidence suggests that adolescent females with internalising traits may use social media in a way consistent with co-rumination with peers who have similar experiences or who offer support

Additionally, an adolescent's perception that he or she does not compare well to others as seen on social media or does not have the kinds of affiliations with others that he or she perceives on social media may increase internalising traits. Thus, a perceived discrepancy between one's own experiences and the positive experiences of others that one is missing out on maybe a concequence of social media activity. At face value, these findings are suggestive of negative mental heath correlates of having a higher number of social media accounts, yet as has been demonstrated with depression [9], it cannot be determined if these mental health indices are indeed an outcome or precursor of teen involvement with social media and social media experiences such as peer victimisation [3].

More significant amounts of social media usage time do get associated with more online harassment, poor sleep, low self-esteem and poor body image. In turn, these related to a higher level of depressive symptom scores [11]. Multiple potential pathways were apparent to reach this outcome. For example, greater hours of social media use related to body weight dissatisfaction, \geq 5h resulted in 31% more likely to be dissatisfied, which in turn linked to depressive symptom scores directly and indirectly via self-esteem, including body dissatisfaction being 15% higher in depressive symptom scores [11].

CRITIQUING A TOOL

DESIGNED INNOVATION

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