Research Report

The personality profile of a cyberbully: Examining the Dark Triad

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**Abstract**

The present study examined the relationships between the Dark Triad personality traits and self-reported cyberbullying behaviors. College students \((N = 227)\) completed a questionnaire and reported on their trait Machiavellianism, psychopathy, and narcissism, and the degree to which they cyberbullied (i.e., both visual and text based bullying) others in the past year. Correlations revealed that all three Dark Triad traits were related positively with cyberbullying. However, multiple regression analysis revealed that of the three Dark Triad traits, psychopathy emerged as the unique predictor of cyberbullying. These findings reinforce extant research suggesting that personality traits are important predictors of computer-mediated behavior.

1. Introduction

Unequivocally, various forms of bullying (e.g., physical, verbal, relational, damage to property, etc.) pose a serious problem for students and society in general (Gladden, Vivolo-Kantor, Hamburger, & Lumpkin, 2014; Smith & Brain, 2000). Thankfully, bullying is becoming less accepted as a “normal part of childhood” and instead, is now being addressed by schools as a considerable threat (Limber & Small, 2003). Because of the harmful consequences of bullying, personality researchers frequently examine and explain the bullying problem, in part, as a manifestation of individual differences (e.g., Mynard & Joseph, 1997; Sutton & Keogh, 2000; Tani, Greenman, Schneider, & Fregoso, 2003). One form of bullying, cyberbullying, is particularly problematic because as schools, parents, and communities attempt to combat it, perpetrators find new and creative ways to victimize others through the use of evolving technologies (e.g., new cell phone apps, social networking websites, messaging programs). As Menesini and Spiel (2012) pointed out, “although some consistent findings have been reached so far, there is still a lack of knowledge about developmental processes of cyberbullying and on possible predictors and correlates, such as personality” (p. 164). Therefore, the current study examined cyberbullying behavior as an expression of undesirable personality traits (i.e., the Dark Triad).

1.1. Cyberbullying

Cyberbullying is considered “an aggressive, intentional act carried out by a group or individual, using electronic forms of contact, repeatedly and over time against a victim who cannot easily defend him or herself” (Smith & Slonje, 2012, p. 249). Cyberbullying is a prevalent problem affecting between 20% and 40% of youths (Tokunaga, 2010), typically via mobile phones and the Internet (Slonje & Smith, 2008). Cyberbullying is communicated using channels such as text messages, website postings, emails, pictures, and video clips (Smith & Slonje, 2012) that attempt to harass, denigrate, impersonate, or ostracize others (Kowalski, Limber, & Agatston, 2012). Students report varying motivations for engaging in cyberbullying including revenge, jealousy, boredom, and seeking approval (Varjas, Talley, Meyers, Parris, & Cutts, 2010).

Most cyberbullies spend a considerable amount of time online and engage in risky online behaviors, but there are important individual/personality differences that predict this behavior beyond characteristics of Internet use (Görzig & Olafsson, 2013). For instance, cyberbullies tend to have personalities that lack self-control and sensitivity; they tend to be higher in psychopathy (Ozden & Icellioglu, 2014) and verbal aggressiveness (Roberto, Eden, Savage, Ramos-Salazar, & Deiss, 2014) and lower in empathy (Doane, Pearson, & Kelly, 2014). Preliminary evidence suggests that personality traits do predict cyberbullying behavior. The current study was designed to determine if cyberbullies have a personality profile inclusive of the Dark Triad traits.

1.2. Dark Triad

The Dark Triad refers to three distinct, yet undesirable (to other individuals) personality traits: (a) Machiavellianism, which refers to a tendency to strategically manipulate others, (b) psychopathy, which refers to a tendency to lack empathy and engage in impulsive and thrill-seeking behavior, and (c) narcissism, which refers to a tendency to feel superior, grandiose, and entitled (Paulhus &
The Dark Triad traits are heritable (Vernon, Villani, Vickers, & Harris, 2008) and are associated with numerous undesirable individual differences and behaviors including vengeance (Giammaco & Vernon, 2014), anger (Veselka, Giammarco, & Vernon, 2014), aggressive humor (Martin, Lastuk, Jeffery, Vernon, & Veselka, 2012), scholastic cheating (Williams, Nathanson, & Paulhus, 2010), social dominance orientation (Jones & Figueredo, 2013), prejudice (Hodson, Hogg, & MacInnis, 2009), and short term mating strategies (Jonason, Li, Webster, & Schmitt, 2009). Moreover, individuals who possess the Dark Triad traits experience psychosocial costs (Jonason, Li, & Czarna, 2013) due to a lack of self-control (Jonason, Li, Webster, & Schmitt, 2009). The Dark Triad traits predict negative Internet behavior including traditional bullying (not electronically based, but rather physical, verbal, racial/ethnic, indirect, sexual) is associated negatively with agreeableness (Jakobwitz & Egan, 2006).

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The hypotheses predicted that Machiavellianism (H1), psychopathy (H2), and narcissism (H3) would be related positively to reports of cyberbullying. Results of Pearson correlations provided support all three hypotheses (see Table 1). Machiavellianism was correlated positively with visual-based cyberbullying ($r = .25$, $p < .001$) and text-based cyberbullying ($r = .30$, $p < .001$); psychopathy was correlated positively with visual-based cyberbullying ($r = .34$, $p < .001$) and text-based cyberbullying ($r = .38$, $p < .001$); and narcissism was correlated positively with visual-based cyberbullying ($r = .19$, $p < .01$) and text-based cyberbullying ($r = .27$, $p < .001$).

To answer the research question, which inquired about which Dark Triad traits uniquely predict reports of cyberbullying, two multiple regressions were computed. Furnham, Richards, and Paulhus (2013, p. 209) suggested that multiple regression should be used in addition to correlations when examining Dark Triad influences because of the common core they share (p. 209). The first multiple regression, which predicted visual-based cyberbullying was statistically significant ($F(3,223) = 10.31$, $p < .001$; $R^2 = .12$), with psychopathy serving as the only significant predictor ($\beta = .27$, $t = 3.49$, $p < .001$). The second multiple regression, which predicted text-based cyberbullying was statistically significant ($F(3,223) = 14.73$, $p < .001$; $R^2 = .17$), with psychopathy serving as the only significant predictor ($\beta = .30$, $t = 3.97$, $p < .001$). There was no evidence of multicollinearity for each of the predictors: Machiavellianism (Tolerance = .57, VIF = 1.76), Psychopathy (Tolerance = .67, VIF = 1.49), and Narcissism (Tolerance = .72, VIF = 1.39).

Unstandardized betas, standard errors, and standardized betas for both regressions are presented in Tables 2 and 3. Therefore, among the Dark Triad traits which are intercorrelated (Jonason, Kavanagh, Webster, & Fitzgerald, 2011), psychopathy proved to be the unique predictor for both types of cyberbullying.

4. Discussion

This study examined the associations between the Dark Triad and cyberbullying behavior. Our hypotheses were supported as Machiavellianism, psychopathy, and narcissism were positive correlates of both visual-based and text-based cyberbullying reports. These associations were small to moderate, suggesting that dark personalities play some role in cyberbullying tendencies. Moreover, psychopathy was revealed to be the unique predictor of the three traits, which is consistent with previous research, suggesting that this trait may be more problematic than the others. For instance, Baughman et al. (2012) found that psychopathy was the strongest correlate of traditional bullying whereas Williams et al. (2010) found that psychopathy was a unique predictor of scholastic cheating.

Jones and Paulhus (2010) found that individuals with Dark Triad traits are predisposed toward aggression, but that psychopaths tend to be aggressive even when unprompted; “psychopathic aggression appears to be less discriminating” (p. 16). Therefore, researchers should pay special attention to psychopathy in explaining bullying behavior. In the same study, narcissistic aggression was revealed to be a more predictable response to ego and self-image threats. Therefore, although it is possible that Machiavellian individuals engage in cyberbullying to strategically gain something, whereas narcissistic individuals engage in cyberbullying as revenge for face-restoration, psychopathic individuals may cyberbully without provocation or discernment. Of course, this is speculation because the participants’ motivations for cyberbullying were not measured, which is the main limitation of this study.

Another limitation was that emerging methods of cyberbullying were not examined beyond mobile phone use and Internet aggression (e.g., using Facebook groups for online aggression). Recent research has linked personality traits to Facebook use (e.g., Ross et al., 2009) and relational aggression (Abell & Brewer, 2014); this link deserves more attention. Future researchers may consider further exploring the role that personality and communication traits play in the encouraging electronic forms of bullying. Moreover, motivations for cyberbullying need to be examined (Slonje, Smith, & Frisén, 2013) because they range from external (e.g., no perceived consequences) to internal (e.g., trying out a new persona) motivations (Varjas et al., 2010), which may create interaction effects with personality traits. In summary, cyberbullying researchers should continue to consider the distal role that personality plays in encouraging perpetration as they continue to simultaneously consider proximal influences in tandem, and potential interactions between individual differences and the environment.

5. Note

1. The Baughman et al. study (2012) documented associations between the Dark Triad traits and general measures of bullying. The researchers used 2 items to measure cyberbullying as part of a composite measure of bullying. However, these items were coded as part of 4 subscales: (1) physical direct bullying, (2) verbal direct bullying, (3) direct bullying (summing physical and verbal direct bullying together), and (4) indirect bullying. Therefore, these 2 cyberbullying items were subsumed within a general bullying operationalization. This study did not specifically examine visual and text-based cyberbullying reports. To date, the Dark Triad traits have not been empirically linked to specific measures of cyberbullying.