



Dark Triad, Risk Taking and Counterproductive Work Behavior in Different Organizational Contexts

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ABSTRACT

The purpose of this study is to analyze the relationship between Dark Triad of Personality, risk-taking and counterproductive work behaviort. The study involved 200 people aged between 18 and 51 years, M = 27.69, SD = 9.83, of which 35 are males (17.5%) and 165 are females (82.5%). The instruments used were The Dirty Dozen: A Concise Measure of the Dark Triad (Jonason & Webster, 2010), Counterproductive Work Behavior Checklist - CWB-C (Spector, Bauer & Fox, 2010) and RISK-TAKING [JPI: Risk Taking [Rkt] (Goldberg et. al, 2006). The results showed that people who work in non-profit organizations (volunteers), those who have a low seniority in work or who hold a leadership position tend to take more risks than others. Low seniority at work also correlates with counterproductive behaviors. In contrast, no significant difference was observed as far as the other two demographic characteristics are concerned. Moreover, the results show that Machiavellianism is responsible for 16% of the variation of counterproductive work behavior, and risk-taking mediates this relatonship. Narcissism and psychopathy are responsible for 10% and 13% respectively of the variation of this behavior, the mediation percentage of risk taking being 19.2% concerning the first one and 22.4% concerning psychopathy. Given these results, the study can be useful in the organizational field, providing employers with more data that they can take into account when recruiting staff. It can also be helpful when it comes to better employee management, as well as a deeper understanding behind counterproductive behaviors, thus leading more easily to diminishing them.

Keywords: Dark Triad, counterproductive work behavior, risk-taking

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1. INTRODUCTION

Dark Triad

The concept of "Dark Triad" was introduced by (Paulhus & Williams, 2002), being composed of three undesirable clinical behaviors: narcissism, Machiavellianism and psychopathy. Over time, they have proven to be more than the cardinal traits of the negative characters in movies, famous criminals and manic leaders. Studies in this area help us understand the darker side of the personality, as well as how these traits are often encountered in ordinary people (Paulhus, 2014). These three characteristics are associated with a number of maladaptive outcomes, such as interpersonal difficulties or atypical moral judgments (Muris et al., 2017), involving tendencies to manipulate and exploit others for self-interest (Jonason et al., 2010).

Narcissism is characterized by a continuous need for admiration and attention, grandeur. For this type of person, social interactions are a scene where they can expose their strengths, manipulating the people around them so that their superiority can be proven (Morf & Rhodewalt, 2001). Despite the fact that narcissistic people are generally seen as arrogant, aggressive, self-centered and always seeking attention from others (Seidman, 2013), narcissism can be considered a healthy and natural part of our personality and mental development (Bender, 2012). For example, it is positively associated with well-being and extraversion, but negatively associated with depression, sadness, loneliness, and neuroticism (Miller & Campbell, 2008). Due to their high scores of extraversion and self-esteem, they are likely to stand out in groups and crowds (DeWall et al., 2011), being often in leadership positions (Nevicka et al., 2011). When a narcissistic person is in this position, he is evaluated by those around him as very effective, even if he is not (Nevicka et al., 2018). Previous studies show that they overestimate both their performance (Farwell & Wohlwend-Lloyd, 1998) and their potential to be leaders (Judge et al., 2006). Moreover, they also tend to overestimate their level of physical attractiveness (Buffardi & Campbell, 2008) and intelligence (Gabriel et al., 1994), amplifying their qualities (Paulhus, 1998).

Machiavellianism refers to people who lack empathy and who tend to strategically manipulate those around them, being positively associated with counterproductive behaviors (DeShong et al., 2015). This type of person tends to choose friends who are, in their opinion, easier to exploit (Jonason & Schmitt, 2012). Moreover, they are characterized by emotional detachment, cynical worldview, pragmatic beliefs, manipulation, and long-term strategic planning to pursue their own goals (Rauthmann & Will, 2011). Machiavellian people can strategically adopt desirable behaviors in order to be put in a good light. They want to create the impression that they are employees dedicated to work, impressing people with influence (Zettler

& Solga, 2013). They easily manage to form a good opinion and highlight their qualities (Bolino & Turnley, 2003) because they are adaptive, adjusting their behavior according to the context. Thus, it is easier for them to be pleasant and to manipulate the people around them (Ruiz-Palomino & Linuesa-Langreo, 2018). However, several studies confirm that Machiavellianism is negatively correlated with agreeableness and conscientiousness, being positively correlated with neuroticism instead (Jonason et al., 2010; Veselka et al., 2012).

Last but not least, psychopathy includes traits related to impulsivity, emotional coldness, and insensitivity, which lead to antisocial behaviors (Nguyen et al., 2021). Unlike the first two, which leave a good impression on those around them, people who have psychopathy as a personality trait are not so appreciated, being impulsive and disrespectful from the beginning. Because of these characteristics, as well as disagreement with others, irresponsibility and low level of empathy, they are seen by society as negative role models 2012). The Dark Triad, (Rauthmann, especially psychopathy, is associated with immoral behaviors such as lying (Brewer et al., 2019), cheating (Alavi et al., 2018), sexual violence (Zeigler-Hill et al., 2016), animal violence (Kavanagh et al., 2013), racism (Daniel N. Jones, 2013a) and other minor or major forms of crime (Chabrol et al., 2017). Although the specific features of psychopathy can be found in the general population, most studies in this field have been conducted on prisoners and criminals with mental disorders (Board & Fritzon, 2005). In some contexts psychopathy is an important predictor of criminal behavior and especially of violence (Hart & Hare, 1997), being positively correlated with recidivism, conditional release failure, and poor treatment response (Hemphill et al., 1998).

Despite the undesirable behaviors found, some recent studies suggest that accentuated personality traits may also have adaptive components in certain areas. These may be associated with men's short-term success in finding a partner (Jonason et al., 2009). Narcissism can lead to a better wage and even a leadership position (Jonason et al., 2018), the subordinates of these people benefiting, in turn, from promotions and salary increases (Volmer et al., 2016).

Counterproductive work behavior (CWB)

One of the central themes studied and addressed in the field of organizational psychology is based on the relationship between different personality traits and behavior at work. Recently, attention has been shifted to a broader area of workplace behaviors, including now counterproductive (Campbell, 1990). These are actions that harm both an organization and its members (O'Boyle et al., 2011). Destroying the organization's property, intentionally performing incorrect work, taking unauthorized breaks, or disseminating confidential company information are just a

few examples of organization-oriented counterproductive behavior. In parallel, hitting a colleague, insults, gossip or verbal aggression are part of counterproductive behavior towards people (Berry et al., 2007; Cohen, 2016). Thus, Sackett & DeVore (2002) choose to approach an organizational perspective in defining this type of behavior, considering it contrary to the legitimate interests of an organization. They emphasize intentional behavior, so that, in their view, if the damage is accidental, that conduct does not fall within that definition.

Hollinger and Davis (2001) observed that as a result of employee theft and scams, US traders lose about \$ 40.7 million daily. Also, according to research by Bennett and Robinson (2000), 15% of employees admitted to stealing from their employers at least once. Moreover, in addition to the amount of money lost annually by companies, this type of behavior has a negative impact on other employees. For example, being the target of such behavior can cause decreased job satisfaction, while increasing stress or the desire to resign (Berry et al., 2012).

Counterproductive work behavior and organization type

The financial aspect is the major difference between NGOs and for-profit organizations, so this study aims to investigate the behavior of employees and volunteers in terms of material rewards. When the organizations want a good development of their activities and, at the same time, capable employees, they must provide in turn favorable working conditions and satisfactory salaries (Ali & Akram, 2012). Moreover, according to Lawal et al. (2019), people who are satisfied with the salary received have a low tendency to engage in counterproductive behavior at work. Given these studies, as well as the situation of NGO volunteers, it is very likely that the CWB will be influenced, among other things, by the type of organization.

Counterproductive work behavior and position held in the organization

Often, in the management positions within an organization are met people who have specific features of the Dark Triad. Narcissists, concerned with demonstrating their superiority, often seek exposure in front of crowds, always wanting to be heard (Morf & Rhodewalt, 2001). The same is true for people with Machiavellian personality traits, who are often in leadership positions and want to impress through false dedication (Zettler & Solga, 2013). Following a meta-analysis by O'Boyle et al. (2012) were observed consistent decreases in performance at work in association with psychopathy and Machiavellianism. A high score of all three traits is, according to the study, closely related to CWB. Thus, the present study aims to demonstrate that there is a significant difference in counterproductive work behavior depending on the type of job. People in a leadership position are more likely to engage in such behavior, pursuing only their own interests.

Counterproductive work behavior according to seniority

Following meta-analytical research, it has been observed that older employees are less likely to engage in counterproductive behavior in the workplace, as opposed to younger ones (Ng & Feldman, 2008; Pletzer, 2021). One of the reasons this happens may be the change in certain personality traits over time. Ashton and Lee (2016) observed that honesty increases throughout an adult's life, being a feature the stronger the older he is. As the vast majority of people engage in youth (Edmonds & Shrestha, 2012), seniority in work is directly proportional to age. Thus, it can be stated that seniority in work is closely related to counterproductive behavior, which decreases over time.

Risk taking

Risk is a controversial element in decision-making (Cox & Hetzel, 2008). Risk-taking can be defined as behavior that leads to potential danger, while providing the opportunity to obtain a reward (McCleskey & Gruda, 2020). We can take as an example the situation of a Formula 1 driver, who risks his life reaching far too high speeds in exchange for victory and fame. A more common case is that of drug users, who risk their health, career and family enjoying in return the sensations they have. Figner and Weber (2011) consider that the least pleasant result in risky options is usually worse than in safe options. Similarly, the positive result, which is hoped for, is more pleasant than that of safe options.

People differ considerably depending on their attitude towards risk-taking (Schonberg et al., 2011) as everyone's behavior is related to the different ways in which an individual perceives situations that involve uncertainty. He is not influenced by the reality of risk, but rather by the way he perceives it (Leather, 2009). Situations may be seen as desirable and therefore worth certain losses, or they may be perceived as undesirable, in which case it is not worth assuming potential losses (Blais & Weber, 2006). Thus, individuals break down risk behavior into assessing benefits and losses, thus becoming a compromise between perceived benefits and perceived risks. It can be seen that options that represent a higher risk also bring greater benefits (Figner & Weber, 2011).

According to previous studies, involvement in risk-taking is often specific to one of the five main areas: social, recreational, ethical, financial, and health and safety (Stanwix & Walker, 2021; Wilke et al., 2014). This perspective contributes to a better understanding of why some people may choose to take risks in a particular context, while others do not. For example, a person may engage in recreational risk-taking, such as bungee jumping, but not when there is a financial goal in the middle. Some people believe that the risks taken on the social or recreational level have more advantages, compared to the other three (Stanwix & Walker, 2021).

Irwin and Ryan (1989) explain risk-taking among adolescents in terms of the fact that they have limited life experience and do not fully understand the consequences of their actions. In addition, they perceive rather positive results that may occur as a result of their behavior, losing sight of the other option. Thus, what an adolescent considers to have a positive effect can be viewed at the opposite pole through the eyes of an adult (Leather, 2009).

Risk taking and type of organization

Non-profit organizations and those in the public or private sectors that ultimately have a profit differ from each other in mission and approach. The present study aims to observe the difference between these two entities in terms of risk-taking, taking into account the material rewards received.

Previous research has shown that simply remembering money can affect motivation, thinking and behavior (Vohs, 2015). Another study mentions that a small or even non-existent amount of money causes employees to take risks, but when the amount is high, they prefer to "go safe", the risk taking decreasing. In an organizational setting when the stakes are higher, people choose to get involved in low-risk projects to make sure they don't lose the amount of money they receive (Sprinkle et al., 2008). Given that money influences risk-taking, but also that a person who is part of a student association, volunteer or NGO, does not receive a sum of money as a result of the effort, it is considered to increase risk-taking among people who are part of such organizations.

Risk taking and position held in the organization

Unlike gambling individuals who cannot influence how they function in any way, people in leadership tend to believe that their personal talents, as well as the capabilities of their organizations, can greatly affect the success of their risky initiatives (Chatterjee & Hambrick, 2011). Although they consider that the risk assumed by them is not similar to that of gambling, being questioned the abilities to influence the respective project, still an executive director assumes more risks than a subordinate with an executive function (Shapira, 1995).

Thus, given that decision-making involves taking risks, but also that a manager is forced to make several decisions in terms of his position, the present study aims to demonstrate that people who hold a leadership position have a higher level of risk-taking than those holding an executive position.

Risk taking and seniority

It can be seen that often the first years of work correspond to the specific years of adolescence and the following years (Sawyer et al., 2018). Moreover, according to Gardner and Steinberg (2005) risk-taking in this period of life is much more pronounced than in adulthood. Although adolescents' ability to make rational decisions and

understand risk situations is close to that of adults, they are not yet well enough formed (Fischhoff, 1992).

Given that most people are employed at the age of adolescence, even after the first years of seniority, they will continue to take more risks than older people due to the period of development in which they are situated, as they have not yet reached full psychosocial development (Cauffman & Steinberg, 2000).

Taking into account these aspects, we formulate the following hypotheses:

H1: There are statistically significant differences in risk-taking depending on certain socio-demographic variables.

H2. There are statistically significant differences in counterproductive behavior at work depending on certain socio-demographic variables.

Dark Triad and counterproductive work behavior

Studies have focused on discovering possible antecedents of counterproductive behavior in the workplace. In recent years, there has been extensive research on employees who exhibited destructive, toxic or abusive behavior (Jonason et al., 2012). According to researchers Wu and Lebreton (2011) deviant behaviors may be the result of deviant personality traits. This reasoning provides a basis for the association between counterproductive behavior in the workplace and the Dark Triad, so that one of the main hypotheses of this study considers the relationship between the two. Thus, the lack of responsibility encountered in psychopathy, the lack of empathy encountered in narcissism but also the lack of morality found in Machiavellianism contribute to the formation of this type of behavior (Jonason et al., 2012).

Although the three traits have different styles and manifestations, their relationship to counterproductive behavior in the workplace is similar, as each contains a set of accentuated negative interpersonal tendencies (O'Boyle et al., 2012). People who have a high score in terms of psychopathy tend to follow their own ineters regardless of whether it, or the means by which it is achieved, harms those around them (Baloch et al., 2017). Machiavellianism, Moore et al. (2012) consider that people who get a high score on this trait tend to be immoral, being willing to do anything to achieve their goals. Last but not least, narcissistic people will do everything possible for those around them to have a very good opinion about them, exaggerating their qualities (Wu & Lebreton, 2011). Such an approach, as well as the tendency to make others feel inferior, may increase the possibility for narcissistic people to engage in deviant behavior (Baloch et al., 2017).

Despite these characteristics, it is not surprising that people with personality traits such as narcissism, Machiavellianism and psychopathy are still employed. They embody many desirable traits such as charm, assertiveness, and the ability to manage certain resources (Ames, 2009).

Taking these into account, we will test if there are significant relationships between Dark Triad traits and counterproductive work behavior:

H3: There is a statistically significant positive relationship between accentuated personality traits and counterproductive work behavior.

Dark Triad and risk-taking

The features of Dark Triad are correlated with different behaviors that affect human health, they are more impulsive (Jones & Paulhus, 2011), competitive (Jones & Figueredo, 2013) and taking more risks (Gott & Hetzel-Riggin, 2018). According to the literature, two negative personality traits associated with risk-taking are narcissism and psychopathy (Crysel et al., 2013).

Risk-taking in psychopathy is the result of an irregular lifestyle (Hare & Neumann, 2008). Such people cannot effectively regulate their impulses, thus assuming far too high risks in exchange for minor gains (Jones, 2013b). Similarly, individuals with a high narcissism score may have the illusion of control, tending to be biased when it comes to decision making. This, along with minimizing potential chances of loss, can lead to risky behaviors (Lakey et al., 2008). They tend to move towards risky behaviors in the financial, health and social spheres (Buelow & Brunell, 2014), taking risks when it comes to investing in the stock market (Foster et al., 2011). Unlike the first two traits, Machiavellianism is not associated with risk-taking (Crysel et al., 2013), except when the possibility of being caught or discovered is very low (Jones, 2013b) or the gains are very high (Azizli et al., 2016).

2. METHODOLOGY

Participants and procedure

The present study involved 200 people aged between 18 and 51 years, M = 27.69, AS = 9.83. Of these, 35 are male (17.5%) and 165 are female (82.5%), 80 participants work in non-profit organizations independent institutions in relation to any public authority, operated for a collective benefit, public or social) (40%), and 120 work in for-profir companies / firms (60%). Regarding the length of service, 61 participants state that they are between 0-1 years old (30.5%), 100 are between 1 and 5 years old (50%), 14 are between 5 and 5 years old. 10 years (7%), and 25 are between 10 and 20 years old (12.5%). Regarding the position held, 155 participants hold executive positions (77.5%), while 45 hold management positions (22.5%). The design of the study is non-experimental, cross-sectional, correlational and data collection took place over four months, from November, 2020 to February, 2021. The participants were contacted online, through the social platforms Facebook and Instagram. They were then directed

Counterproductive work behavior and risk-taking

The literature highlights several studies that empirically link counterproductive behavior in the field of work to different personality traits, such as anger (O'Brien & Allen, 2007), manipulation, egotism and risk-taking (O'Neill & Hastings, 2011). Moreover, according to them, risk-taking is one of the strongest predictors in relation to workplace deviance. Despite the fact that not much research has been started to shed light on the relationship between the two, they have some common features, such as impulsivity or work performance.

Scherer et al. (2013) conducted a study that showed the importance of impulsivity in predicting counterproductive behavior, placing it under the umbrella of psychopathy. This correlates negatively with conscientiousness (Harpur et al., 1989), approaching rather a disorganized and irresponsible lifestyle.

Regarding the link between impulsivity and risk-taking, Wu and Lebreton (2011) consider that people we encounter this trait are constantly looking for extreme sensations and risk, often finding it difficult to maintain a stable relationship, whether it is related to work or personal life. The impact that impulsivity has on counterproductive behavior in the workplace is not a minor one, which can be neglected, this feature explaining some of the undesirable decisions of employees.

Following all these, we intend to test if risk-teking has a mediating effect in the relationship between Dark Triad traits and counterproductive work behavior:

H4. Risk-taking mediates the relationship between accentuated personality traits and counterproductive work behavior.

to the Google Forms platform, with which the data was collected. Respondents were informed about the confidentiality of the data and the academic purpose of the paper, with the possibility to withdraw from the study if they so wished.

Instruments

Dark Triad of personality was measured using the Dirty Dozen: A Concise Measure of the Dark Triad (Jonason & Webster, 2010). The questionnaire contains 12 items and captures three dimensions, each of which has been assigned a number of four items. The dimensions are Machiavellianism, psychopathy and narcissism. The answers are given on a seven-step Likert scale, where 1 = untrue, 4 = somewhat true, and 7 = very true.

Counterproductive work behavior was measured with the Counterproductive Work Behavior Checklist (CWB-C) (Spector, Bauer & Fox, 2010). The scale is a tool for assessing counterproductive behavior in the workplace and

consists of 10 items, being translated into Romanian. Answers are given on a five-step Likert scale, where 1 = never and 5 = daily.

Risk-taking was measured with the Jackson Personality Inventory [JPI-R] Risk Scale (RISK-TAKING [JPI: Risk

Taking [Rkt]) (Goldberg et al., 2006). The questionnaire contains 10 items, and the answer was scored on a five-step Likert scale, where 1 = never, and 5 = very often..

3. RESULTS

Descriptive statistics.

Table 1. Average scores, standard deviations, internal consistency coefficients and correlations between variables

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	М	AS	α	MAC	PSI	NAR	CWB	RT	
MAC	10.36	5.21	.81	1					
PSI	10.06	4.29	.59	.56**	1				
NAR	15.67	5.37	.76	.43**	.27**	1			
CWB	16.80	5.37	.80	.41**	.37**	.31**	1		
RT	24.96	6.25	.76	.38**	.42**	.24**	.31**	1	

^{**.} p <.01

MAC - Machiavellianism, PSI - Psychopathy, NAR - Narcissism, CWB - Counterproductive work behavior, RT - Risk taking

Hypotheses testing

H1: There are statistically significant differences in risk-taking depending on certain socio-demographic variables. H1a: People working in non-profit organizations have a significantly higher level of risk-taking than those in for-profit organizations.

H1b: People with a low seniority have a significantly higher level of risk-taking than those with a long seniority.

H1c: People who hold a management position have a significantly higher level of risk-taking than those who hold an executive position.

In order to test these hypotheses, two independent samples t tests were performed to analyze the differences depending on the type of company and the position held and a one-way analysis of variance ANOVA for the differences according to seniority.

Table 2. Mean scores for risk-taking by type of organization

	Organization type	N	M	SD	ESM
RT	Non-profit	80	26.41	5.73	.64
	Profit	120	23.98	6.42	.59

RT - Risk taking

Table 3. Independent samples t-test for risk-taking by type of organization

									95%	CI
		F	Sig.	t	df	р	DM	ESD	Min.	Max.
RT	Equality of variance	1.18	.28	2.74	198	.01	2.43	.89	.68	4.18

It is observed that there are statistically significant differences in terms of risk-taking depending on the type of organization, so that for employees in non-profit organizations M = 26.41, AS = 5.73, while for employees in

for profit organizations M = 23.98, SD = 6.42. The difference is statistically significant, t (198) = 2.74, Cl95% (.68, 4.18), p < .05, the effect size being d = .40.

Table 4. One-way ANOVA for risk-taking by seniority

	Sum of Squares	df	Mean of Squares	F	Sig.
Between groups	370.43	3	123.48	3.27	.02
Within groups	7402.16	196	37.77		
Total	7772.60	199			

Table 5. Multiple comparisons Bonferroni test for risk-taking by seniority

					95% (Cl
(I) Seniority in work	(J) Seniority in work	DM (I-J)	ES	Sig.	Min.	Max.
0-1 years	10-20 years	4.33*	1.46	.02	.44	8.22

It is observed that there are statistically significant differences in terms of risk-taking depending on seniority, the most visible being between those with 0-1 years

experience and those with 10-20 years. The difference of the means is statistically significant, DM = 4.33, Cl95% (44, 8.22), p < 0.5.

Table 6. Mean scores for risk-taking by position in organization

	Position	N	M	SD	ESM
RT	Executive	155	24.39	6.32	.51
	Managerial	45	26.91	5.63	.84

RT – Risk taking

Table 7. Independent samples *t-test for risk-taking by position in organization*

								95% CI	
	F	Sig.	t	df	p	DM	ESD	Min.	Max.
Equality of Variance	1.83	.18	-2.41	198	.017	-2.52	1.05	-4.59	46

It is observed that there are statistically significant differences in terms of risk-taking depending on the position held, so that for employees holding an executive position M = 24.39, AS = 6.32, while for employees holding a management position M = 26.91, AS = 5.63. The difference is statistically significant, t (198) = -2.41, CI95% (- 4.59, - .46), p < .05, the effect size being d = .42.

H2: There are statistically significant differences in counterproductive work behavior depending on certain socio-demographic variables.

H2a: People who work in non-profit organizations have a significantly higher level of counterproductive work behavior than those in for-profit organizations.

H2b: People with a short work experience have a significantly higher level of counterproductive work behavior than those with a long work experience.

H2c: People in a managerial position have a significantly higher level of counterproductive work behavior than those in an executive position.

In order to test these hypotheses, two independent samples t tests were performed to analyze the differences depending on the type of company and the position held and a one-way analysis of variance ANOVA for the differences according to seniority.

Table 8. Mean scores for counterproductive work behavior by type of organization

			, ,,		
	Organization type	N	M	SD	ESM
CWB	Non-profit	80	17.40	5.88	.66
	Profit	120	16.40	4.99	.46

CWB – Counterproductive work behavior

Table 9. Independent samplest-test for counterproductive work behavior by type of organization

									95% CI	
		F	Sig.	t	df	р	DM	ESD	Min. M	ах.
CWB	Equality of Variance	.90	.34	1.29	198	.20	1.00	.77	53	2.53

CWB - Counterproductive work behavior

It is observed that there are no statistically significant differences in terms of counterproductive work behavior depending on the type of organization, so that for employees

in non-profit organizations M = 17.40, AS = 5.88, while for employees profit M = 16.40 , SD = 4.99. The difference is not significant, t (198) = 1.29, CI95% (-. 53, 2.53), p> .05, the effect size being d = .18.

Table 10. One-way ANOVA for counterproductive work behavior by seniority

	Suma of Squares	df	Mean of Squares	F	Sig.
Between groups	289.86	3	96.62	3.47	.02
Within groups	5452.14	196	27.82		
Total	5742.00	199			

It is observed that there are statistically significant differences in terms of counterproductive work behavior depending on seniority, F(3, 196) = 3.47, p < .05. Thus, the lowest score is registered by employees with an experience of 1-5 years, M = 17.98, AS = 5.76, the group being followed by those with an experience between 0-1 years, M = 15.84, AS = 4.91, then the employees with work experience of 5-

10 years, M = 15.71, AS = 4.53 and finally, the group with a work experience of 10-20 years, M = 15.04, AS = 4.33. However, the Bonferroni post-hoc test for multiple comparisons does not reveal significant differences between specific seniority groups. Although no such difference is concretely observed, it exists in general, F(3, 196) = 3.47, p < .05.

Table 11. Mean scores for counterproductive work behavior by position

				<i>y</i> ,	
	Position	N	M	AS	ESM
CWB	Executive	155	16.53	5.02	.40
	Managerial	45	17.73	6.41	.96

CWB - Counterproductive work behavior

Table 12. Independent samples t-test for counterproductive work behavior by position in organization

	•	•	-				-		95% CI	
		F	Sig.	t	df	р	DM	ESD	Min.	Max.
CWB	Equality of Variance	2.77	.10	-1.33	198	.19	-1.20	.91	-3.00	.59

CWB - Counterproductuve work behavior

It is observed that there are no statistically significant differences in counterproductive work behavior according to the position held, so that for employees with an executive function M = 16.53, AS = 5.02, while for employees with managerial function M = 17.73, AS = 6.41. The difference is not significant, t (198) = -1.33, CI95% (- 3.00, .59), p> .05, the effect size being d = .21.

H3: There is a statistically significant positive relationship between accentuated personality traits and counterproductive work behavior.

In order to test this hypothesis, three simple linear regression analyzes were performed, having as predictors, alternatively, the three dimensions of the Dark Triad (Machiavellianism, narcissism and psychopathy) and as a dependent variable, counterproductivework behavior.

Table 13. Linear regression analyses for Dark Triad traits and counterproductive work behavior

		R ²	В	SE	β	t	р	
1	Machiavellianism	.16	.42	.07	.41	6.24	.00	
3	Narcissism	.10	.31	.07	.31	4.65	.00	
	Psychopathy	.13	.46	.08	.37	5.51	.00	

It is observed that Machiavellianism is responsible for 16% of the variation of counterproductive work behavior, the regression equation being statistically significant, F (1, 198) = 38.93, p <.01. Machiavellian is significantly and positively associated with counterproductive work behavior, β = .41, p <.01.

Narcissism is responsible for 10% of the variation of counterproductive work behavior, the regression equation

being statistically significant, F (1, 198) = 21.60, p <.01. Narcissism is significantly and positively associated with counterproductive work behavior, β = .31, p <.01.

Psychopathy is responsible for 13% of the variation of counterproductive work behavior, the regression equation being statistically significant, F (1, 198) = 30.36, p <.01. Psychopathy is significantly and positively associated with counterproductive work behavior, $\beta = .37$, p <.01.

H4: Risk-taking mediates the relationship between accentuated personality traits (Machiavellianism, narcissism, psychipathy) and counterproductive work behavior.

In order to test this hypothesis, three mediation analyzes were performed having as predictors, alternatively,

Machiavellianism, psychopathy and narcissism, as a dependent variable counterproductive work behavior and as a mediating variable, risk-taking.

Table 14. Mediation estimates for risk-taking in the relationship between Machiavellianism and counterproductive work behavior

				95% Confide				
Effect	Label	Estimation	SE	Lower	Upper	Z	р	% Mediation
Indirect	a × b	.07	.03	.02	.13	2.46	.01	17.6
Direct	С	.34	.07	.21	.48	4.86	< .00	82.4
Total	$c + a \times b$.42	.07	.29	.55	6.27	< .00	100.0

Table 15. Path analysis for risk-taking in the relationship between Machiavellianism and counterproductive work behavior

						95% Confide			
			Label	Estimation	SE	Lower	Upper	Z	р
MAC	\rightarrow	RT	а	.46	.08	.30	.61	5.85	< .00
RT	\rightarrow	CWB	b	.16	.06	.04	.28	2.72	.01
MAC	\rightarrow	CWB	С	.35	.07	.21	.48	4.86	< .00

MAC – Machiavellianism, RT – Risk-taking, CWB – Counterproductive work behavior

Table 16. Mediation estimates for risk-taking in the relationship between psychopathy and counterproductive work behavior

				95% Confide	95% Confidence Interval			
Effect	Label	Estimation	SE	Lower	Upper	Z	р	% Mediation
Indirect	a × b	.10	.04	.02	.18	2.55	.01	22.4
Direct	С	.36	.09	.18	.53	3.98	< .00	77.6
Total	$c + a \times p$.46	.08	.30	.62	5.54	< .00	100.0

Table 17. Path analysis for risk-taking in the relationship between psychopathy and counterproductive work behavior

						95% Confide			
			Label	Estimation	SE	Lower	Upper	Z	р
PSI	\rightarrow	RT	а	.61	.09	.42	.79	6.45	< .00
RT	\rightarrow	CWB	b	.17	.06	.05	.29	2.77	.01
PSI	\rightarrow	CWB	С	.36	.09	.18	.53	3.98	< .00.

PSI - Psychopathy, RT - Risk-taking, CWB - Counterproductive work behavior

Table 18. Mediation estimates for risk-taking in the relationship between narcissism and counterproductive work behavior

				95% Confide				
Effect	Label	Estimation	SE	Lower	Upper	Z	р	% Mediation
Indirect	a × b	.06	.02	.01	.11	2.56	.01	19.2
Direct	С	.25	.07	.12	.38	3.80	< .00	80.8
Total	$c + a \times p$.31	.07	.18	.45	4.67	< .00	100.0

Table 19. Path analysis for risk-taking in the relationship between narcissism and counterproductive work behavior

						95%Cor	95%Confidence Interval		
			Label	Estimation	ES	Min	Max	Z	p
NAR	\rightarrow	RT	а	.28	.08	.12	.43	3.45	< .00
RT	\rightarrow	CWB	b	.22	.06	.11	.33	3.81	< .00
NAR	\rightarrow	CWB	С	.25	.07	.12	.38	3.80	< .00

NAR - Narcissism, RT - Risk-taking, CWB - Counterproductive work behavior

It is observed that risk-taking mediates the relationship between Machiavellianism and counterproductive work behavior, the mediation percentage being 17.6%, and the mediation estimate β = .07, Cl95% (. 02, .13), Z = 2.46, p < .05. Machiavellianism is positively associated with risk-taking, β = .46, Cl95% (.30, .61), Z = 5.85, p < .00 and risk-taking is positively associated with counterproductive work behavior, β = .16, Cl95% (.04, .28), Z = 2.72, p < .05.

Also risk-taking mediates the relationship between psychopathy and counterproductive work behavior, the mediation percentage being 22.4%, and the mediation estimate β = .10, Cl95% (.02, .18), Z = 2.55, p < .05.

Psychopathy is positively associated with risk-taking, β = .61, Cl95% (.42, .79), Z = 6.45, p <.00 and risk-taking is positively associated with counterproductive work behavior, β = .17, Cl95% (.05, .29), Z = 2.77, p <.05.

At the same time, risk-taking mediates the relationship between narcissism and counterproductive work behavior, the mediation percentage being 19.2%, and the mediation estimate β = .06, Cl95% (.01, .11), Z = 2.56, p < .05. Narcissism is positively associated with risk-taking, β = .28, Cl95% (.12, .43), Z = 3.45, p < .00 and risk-taking is positively associated with counterproductive work behavior, β = .22, Cl95% (.11, .33), Z = 3.81, p < .00.

4. DISCUSSION

The present study aimed to analyze the relationship between accentuated personality traits (Dark Triad) and counterproductive behavior in the workplace, as well as the impact of risk-taking on this relationship. A comprehensive analysis was also performed that integrates socio-demographic variables such as type of organization (profit or non-profit), seniority and position in the organization (executive or leadership). These have been studied in relation to risk-taking and counterproductive behavior in the workplace.

Emphasis was placed on the effect that risk-taking has on the relationship between dark personality traits and counterproductive behavior in the workplace. Thus, it was observed that risk-taking mediates to a large extent (22.4%) the relationship between psychopathy and negative behaviors that employees may have at work, whether in a corporation or in a non-governmental organization. This

characteristic is positively associated with both risk-taking and counterproductive behavior. The relationship can be explained by traits such as impulsivity, specific to psychopathy (Miller & Lynam, 2012), which in turn leads to risk-taking and, later, to undesirable actions at work. Narcissism occupies the second position, the mediation percentage being 19.2%. Similar to psychopathy, it is positively associated with the two factors mentioned above. People with this trait tend to believe that the rules do not apply to them, so it is easy for them not to follow them, taking risks. Last but not least, it has been shown that risk-taking mediates the relationship between Machiavellianism and counterproductive behavior at work to the extent of almost 18 percent (17.6%).

Numerous previous studies have theoretically tested the relationship between the Dark Triad and counterproductive behavior in the workplace. However, it is uncertain whether

the effect is direct or rather indirect, built on other factors. Spain et al. (2014) concluded that these characteristics are useful in explaining various behaviors at work, some being desirable and others not. Another study by James et al. (2014), focused on the direct effects of this relationship. They have demonstrated that all three facets of the Dark Triad correlate directly with a high level of pleasure derived from another person's misfortune. Specifically, individuals who have strong personality traits express increased satisfaction when a colleague receives negative feedback about his or her performance. These findings provide insight into the direct practical implications of the features of the Dark Triad in the workplace, highlighting the consequences that may arise. Also, following a meta-analysis, O'Boyle et al. (2012) observed that all three accentuated personality traits are strongly associated with counterproductive behavior in the workplace.

Regarding the influence of risk-taking on the relationship between the two variables, no comprehensive studies have been found in the literature to focus on it, being a gap that this paper wants to cover. The results of the study by Grover and Furnham (2021) state that there is a link between risk-taking and two of the accentuated personality traits, namely psychopathy and narcissism, but there are no works that consider the relationship between this variable and counterproductive behavior in place. for work.

Hypothesis H1 showed that there are significant differences in risk-taking depending on different sociodemographic variables. Thus, it was observed that people who work in non-profit organizations assume more risks, as well as those who have a low seniority in work or hold a management position. These behaviors can be explained by the rewards received or by the importance of possible losses, in the case of a job the rewards being financial, while in the case of volunteering (NGO), no. Also, the risks taken may decrease with seniority due to both aging and the desire for stability. Last but not least, a leading position within the organization puts the person in a position to make many decisions and, through them, to take more risks. The results are consistent with previous studies, however there is little evidence of how material reward affects people's decision to take risks or not (Ittner & Larcker, 2001) and further leads to the difference between nonprofits and places. stable work. Moreover, (García-Granero et al. (2015) state that people in management positions take more risks out of the desire to innovate.

The variation of the counterproductive behavior at work according to the type of organization, the position occupied within it and the seniority in work (H2) was also researched. Although no significant difference was observed in terms of the first two demographic characteristics, the behavior adopted at work and seniority are closely related. This can be due to several factors, such as increased emotional stability (Williams et al., 2006) or decreased frustration and

desire for revenge (Penney et al., 2011). A multitude of previous studies have similar results. For example, Barefoot et al. (1993) observed that older people have a lower level of anger and hostility towards those around them. Other studies have found that such people have greater emotional intelligence, regulating their emotions more easily (Chapman & Hayslip Jr., 2006; Siu et al., 2001). Together, such studies suggest that in the case of older people, counterproductive behavior tends to decrease rather. Regarding the type of organization, while some studies claim that people satisfied with the amount of money received engage in fewer counterproductive behaviors (Lawal et al., 2019), the present research does not show a significant difference between the two types. organizations. Thus, people who volunteer may have a desirable behavior due to interest in the field (Cheasakul & Varma, 2016). Also, according to the results obtained, the high position, such as manager, occupied within the organization is not closely related to counterproductive behavior at work. This relationship can be explained by the fact that people in management tend to be more attached to the job, with less desire to take revenge or sabotage the organization. One of the reasons behind the attachment to the workplace may be the road or effort made to the position currently held, as well as the resources invested (Stroh & Brett, 1994).

Limitations and further research

One of the limitations of the study refers to the application of self-reporting tools to measure risk-taking, counterproductive behavior in the workplace and accentuated personality traits. The response of the persons concerned can often be subjective, with the possibility that they may respond as they deem socially desirable, despite the anonymity of the form, or even not recognize certain traits for themselves. In the future, the collection of data from several sources may be considered, so as to increase the validity of the study. However, self-reporting tools are often encountered in similar studies (e.g. Jonason et al., 2012; Palmer et al., 2017).

Another limitation of this study is the composition of the group of respondents, which is made up of 82.5% of females. Thus, the generalization of the results must be done with caution, also taking into account the fact that the respondent population belongs to a single country and falls mostly in the category of young people, aged between 18 and 25 years. The small number of men participating in the study did not make it possible to perform a comparative analysis by gender, but comparisons were made based on other socio-cultural variables, such as seniority and function. Therefore, for the following studies, emphasis can be placed on the diversity of respondents, both by gender and age.

In addition, the study performed is a cross-sectional one, thus failing to highlight clearly enough the causal aspects of

the relationship studied. A longitudinal study can better shed light on the causal relationship between accentuated personality traits and counterproductive behavior in the workplace.

In the future, in addition to the changes mentioned above, the importance of job satisfaction can be explored,

as well as the link between it and counterproductive behavior. Moreover, the difference between the male and female gender in terms of such behaviors can be observed, being a useful information for employers. Through several studies in this field, they can better understand the reasons for absenteeism or lack of productivity at work.

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