Construct and Criterion Validity of the Dutch Workaholism Scale (DUWAS) Within the South African Financial Services Context

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Abstract
This research investigated the construct and criterion validity of the English version of the Dutch Work Addiction Scale (DUWAS) within the South African financial services context (n = 345). A quantitative research approach with a cross-sectional design was utilized to determine the psychometric properties of the Dutch Work Addiction Scale (DUWAS-10). Confirmatory factor analysis was used with a latent variable modeling approach for the construct validity and a structural path model for criterion validity. One of the working compulsively items did not perform well and was omitted to establish a 9-item scale. Additionally, due to problematic discriminant validity between the working compulsively and working excessively factors, the results did not corroborate the expected two-factor structure. However, a revised second-order structure of the DUWAS showed an acceptable fit to the data indicating that an overall workaholism score is appropriate in this context. Furthermore, the results showed that workaholism had positive relationships with work overload, work hours, and burnout but negatively related to work engagement and organizational commitment. All in all, evidence suggested that an adapted 9-item version of the DUWAS performed well.

Keywords
Workaholism, overwork, overload, validation, structural equation modeling

Introduction
Society has different perceptions regarding the value and consequences of working hard (Van Beek et al., 2011). Some consider time to be money and are determined to use it well, ultimately managing, investing, and using time in a productive manner (Gini, 1998). Furthermore, individuals tend to devote a significant amount of time to work activities, yet some allocate more time to work than others (Van Wijhe et al., 2014). There are several reasons why people work hard, but in some cases, individuals are motivated by a compulsive inner drive to work excessively, which is referred to as workaholism (Van Wijhe et al., 2014). Workaholism is evident when employees over-commit their resources (i.e., time and energy) to their job (Snir & Harpaz, 2006). Thus, workaholics are overly involved in their work and struggle to detach themselves from work due to their internal compulsion to work extremely hard (Bakker et al., 2013; Kanai & Wakabayashi, 2001) found a strong positive relationship between workaholism and job demands, such as work overload. Workaholics are aware of their excessive workload, yet unable to control their compulsion to work due to the anxiety experienced when away from work (Scott et al., 1997). These findings are supported by Schaufeli et al. (2006), who indicate that workaholism is positively linked to numerous indicators of overload; more specifically, they work longer hours than their colleagues, continue to work at home and even work on their holiday and during weekends. Different typologies of “workaholics” also exist, for example Scott et al. (1997) referred to the: (1) compulsive-dependent workaholic, (2) perfectionist workaholic, or (3) achievement-oriented workaholic.

Due to the excessive amount of time and energy spent on work activities, workaholics have insufficient opportunities...
to recover from their expended efforts, ultimately resulting in distress, both emotionally and cognitively (Balducci et al., 2018; Shimazu & Schaufeli, 2009). Hence, workaholism has severe implications for employee health and well-being as it drains employee resources to the point of exhaustion (Van Wijhe et al., 2014), which is the core component of burnout (Schaufeli & Taris, 2005).

Workaholism is a relevant and applicable phenomenon in modern society, yet there is a lack of scientific knowledge concerning workaholism, especially within the South African context (Mostert et al., 2011). The DUWAS relies on Taris and Schaufeli’s (2003) conceptualization of workaholism, where workaholism refers to an irresistible inner drive to work extremely hard and comprises: working excessively and working compulsively. “Working excessively” encapsulates a behavioral dimension of workaholism, whereas “working compulsively” refers to the cognitive dimension (Schaufeli et al., 2009). The items of the DUWAS-10 scale were adapted from two general workaholism scales: Work Addiction Risk Test (WART; Robinson, 1999) and the Workaholism Battery (WorkBat; Spence & Robbins, 1992). Schaufeli et al., (2009) presented a 10-item measure with the most promising psychometric features (Del Libano et al., 2010). Most past studies have found evidence for a two-factor structure in their contexts: Japan, The Netherlands, Italy, Bulgaria, Hungary, Portugal, and Spain (Butucescu & Uscătescu, 2019; Repaczki et al., 2021; Schaufeli et al., 2009). However, a second-order model with first-order factors has also been tested in the Netherlands and Finland (Rantanen et al., 2015). Rantanen and colleagues also state that the two proposed components of workaholism correlate highly. This points to the possibility that a unidimensional structure might also be possible, but the main recommendation is that the components be assessed separately as they indicate different aspects of workaholism.

Other studies have also published on different language versions of the DUWAS-10: Hebrew (Littman-Ovadia et al., 2014), French (Sandrin & Gillet, 2016), Norwegian (Schou Andreassen et al., 2013), Finnish (Rantanen et al., 2015), Spanish (Del Libano et al., 2010), Japanese (Schaufeli et al., 2009), and Italian (Balducci et al., 2017). Nevertheless, no validation studies have been conducted within the South African context.

Despite its popularity, workaholism remains a controversial topic, and as such, has led to diverse—even conflicting—opinions about whether the condition is desirable or not. For example, Baruch (2011) argues by way of the “chocoholism” metaphor that being addicted to chocolate is not necessarily inherently bad; certain types such as dark chocolate can have health benefits, and just as someone will not just consume chocolate the whole day, workaholics do engage in other activities besides work as well. However, Baruch acknowledges that future studies should consider the distinction between workaholism and work engagement. Other studies, of course, indicate workaholism as a negative phenomenon as it is a stressor that has consequences over time (for an overview, see Clark et al., 2014; McMillan et al., 2004; Schou Andreassen et al., 2013).

For the current study, relationships between workaholism and variables that have been established were considered for criterion validity purposes. Many empirical studies reinforce the notion that workaholism is mainly related to adverse outcomes for both the individual and the organization (Balducci et al., 2018; Burke, 2004; Douglas & Morris, 2006; McMillan & O’Driscoll, 2004; Mudrack, 2004; Van Beek et al., 2012, 2014; Van Wijhe et al., 2011). For instance, workaholism is negatively related to work engagement (Schaufeli et al., 2008), organizational commitment (Burke et al., 2004; Douglas & Morris, 2006; Liang & Chu, 2009), performance (Shimazu et al., 2012, 2015) and positively related with burnout (McMillan & O’Driscoll, 2004) and mental distress (Balducci et al., 2018).

Furthermore, even though the significant implications of workaholism is apparent, it is frequently considered by some employers as an “acceptable addiction” and is often mistakenly regarded as model behavior (Fry et al., 2006). Therefore, this addiction is appreciated and encouraged by some elements of society because these employees appear productive and produce results (Gini, 1998). However, organizations overlook the potentially fatal “karoshi” (Kanai, 2009). The concept karoshi, more commonly known as “death from overwork,” is a popular term within Japanese culture, which refers to individuals experiencing health problems due to long working hours, which can lead to permanent disability or even death (Herbig & Palumbo, 1994; Iwasaki et al., 2006). Therefore, it is not unknown that long working hours can indeed deteriorate employee health (Kanai, 2009). For instance, recently, Balducci et al. (2018) found that workaholism is associated with high systolic blood pressure, a well-known risk factor for cardiovascular disease. This is in line with the health impairment process of the job demands-resources (JD-R) model, which states that work overload results in an erosion of employee energetic capacity, which ultimately leads to poor health (both psychological and physical) and impairment of employee performance (Bakker et al., 2014).

In the context of the effort-recovery model (Van Hooff et al., 2007), workaholics become so immersed in their work due to their inner drive to work excessively that they struggle to detach themselves from it, ultimately neglecting their need for recovery (Bakker et al., 2013). Effort expenditure at work is related to acute load reactions, consisting of short-term physiological and psychological costs (Meijman & Mulder, 1998). Under optimal circumstances, these costs are manageable if the individuals decrease their effort expenditure after work hours and over weekends to facilitate recovery before the next working day/week (Taris et al., 2010). However, workaholics do not engage in these opportunities to recover due to the excessive nature of working, causing an accumulation of adverse load reactions, which increases the probability of long-lasting and irreversible conditions (Taris et al., 2005).
The financial services sector is a competitive, demanding environment (Williams, 2012) and contributes about 20% to South Africa’s gross domestic product (StatsSA, 2020). The sector is mature and effectively regulated. However, a survey of financial services chief executives showed concerns around skills shortages which hinder the ability to innovate at the desired rate (PwC, 2019). A large amount of time is spent training financial services professionals (Rautenbach et al., 2020). Given this competitive environment and the associate skills shortages, it would be safe to assume that some employees work harder and longer hours. Some employees may therefore be more susceptible to workaholic behavior due to these conditions, or conversely, such an environment may attract people who can be classified as “workaholics.” Consequently, given the importance of the financial services industry to the economy, it is crucial to investigate workaholism within this context. However, to identify workaholism, it is important to measure the phenomenon accurately and consider its impact on employee and organizational outcomes.

Therefore, it is considered necessary and timely to investigate a workaholism scale, more specifically the Dutch Work Addiction Scale (DUWAS-10), within the South African financial services context to evaluate the functioning and the relationships between workaholism and other outcomes.

For this study, the following hypotheses are listed:

- $H_1$: Workaholism is a two-factor structure.
- $H_2$: There is a positive relationship between workaholism and work overload.
- $H_3$: There is a positive relationship between workaholism and work hours.
- $H_4$: Workaholism has a negative path relationship to work engagement.
- $H_5$: Workaholism has a negative path relationship to organizational commitment.
- $H_6$: Workaholism has a positive path relationship to burnout.

**Measuring Instruments**

**Workaholism**

The Dutch Work Addiction Scale (DUWAS-10; English version) was used to measure workaholism (Schaufeli et al., 2009). The scale included a total of 10 items with two 5-item subscales measuring working excessively (e.g., “I spend more time working than on socializing with friends, on hobbies, or leisure activities”) and working compulsively (e.g., “I feel obliged to work hard, even when it is not enjoyable”). The DUWAS-10 is scored on a four-point Likert-type scale, ranging from 1 (Almost never) to 4 (Almost always).

**Work engagement**

The 9-item Utrecht Work Engagement Scale (UWES-9) was utilized to measure the participants’ levels of engagement (Schaufeli et al., 2006). The UWES is scored on a seven-point frequency scale, ranging from 0 (Never) to 6 (Every day). Work engagement was constituted as a single latent variable (Fong & Ng, 2012), measured by nine items from its three components: Vigor (3 items, e.g., “When I get up in the morning, I feel like going to work”), Dedication (3 items, e.g., “I find the work that I do full of meaning and purpose”) and Absorption (3 items, e.g., “I am immersed in my work”).

**Organizational commitment**

Items from the scale of Allen and Meyer (1990) was used to measure the participants’ affective commitment levels. Specifically, seven items (e.g., “I would be very happy to spend the rest of my career with this organization”) were used. The OCS is scored on a seven-point Likert-type scale, ranging from 1 (Strongly disagree) to 7 (Strongly agree).

**Burnout**

The Maslach Burnout Inventory (MBI; Schaufeli et al., 1996) was used to measure the participants’ levels of burnout. Items from the core components of burnout were measured for this study: Emotional exhaustion (5 items, e.g., “I feel used up at the end of the workday”) and
Cynicism/Depersonalisation (5 items, e.g., “I have become more cynical about whether my work contributes anything.”) as a one-factor structure (De Beer & Bianchi, 2019). The MBI is scored on a seven-point frequency scale, ranging from 0 (Never) to 6 (Always).

Work overload: Measured with 3 items from the scale developed by Sverke et al. (1999). An example item was: “My work contains elements that are too demanding”. The items were scored on a five-point Likert-type scale, ranging from 1 (Strongly disagree) to 5 (Strongly agree), where a high score represents a higher workload.

Total work hours: This variable was continuous indicated by 2 items to assess the total number of working hours per week. The items that were included: “How many hours do you work during a standard working week?” and “How many hours do you spend working at home (beyond normal working hours and flexitime) during a standard week?” were added together as the final continuous variable.

Statistical Analysis

Structural equation modeling (SEM) methods were implemented in Mplus 8.6 (Muthén & Muthén, 2021). The measurement model was formed using confirmatory factor analysis (CFA) (Brown, 2015). The weighted least squares (mean- and variance adjusted) estimation algorithm (WLSMV; Muthén et al., 1997) was used to estimate the parameters of the SEM models. WLSMV is the most appropriate and indicated technique as the study variables were of ordered categorical nature, including four-point scales (e.g., workaholism—the primary scale of interest to this study), and research has shown that WLSMV provides more accurate results compared to maximum likelihood (ML) implementations which consider the variables to be continuous—underestimating the proper relationships between indicators (cf. Flora & Curran, 2004; Liang & Yang, 2014). WLSMV computes polychoric correlations between the categorically ordered indicators and performs more efficiently compared to even Bayesian methods in terms of robustness and assumptions of normality of data on samples of 200 participants and above (Holgado–Tello et al., 2010; Liang & Yang, 2014). The following fit indices were considered: The comparative fit index (CFI), the Tucker-Lewis index (TLI), the root mean square error of approximation (RMSEA), and standardized root mean residual (SRMR). For the CFI and TLI, values of .90 and above are considered adequate, and the RMSEA values of .08 and below (Van de Schoot et al., 2012). Furthermore, Cronbach’s alpha and omega coefficients were calculated for all the study variables in the final measurement model as the indicator of reliability (internal consistency).

Effect sizes for correlations were considered medium \((r= .30-.49)\) and large effects \((r= .50-.84)\) (Cohen, 1992)—this assisted in answering the convergent validity of the workaholism scale. Excessive correlations \((r= .85\) and above) would necessitate further investigations for discriminant validity (Brown, 2015). Discriminant validity was assessed by the average variance extracted (AVE) of the two individual latent variables being compared should be larger than the shared variance between those two variables.

For criterion validity, past relationships were specified to be related to the literature—specifically for validity purposes. The significance, direction, and sizes of the standardized beta coefficients were considered.

Results

Measurement Models

It is important to note that the latent variable(s) did not explain a statistically significant amount of variance in item three for working compulsively (“I feel that there is something inside me that drives me to work hard”; \(p= .66\))—Engelbrecht et al. (2020) also found this same item to be problematic within the South African engineering sector. Therefore, this item was removed from all further models tested (see Table 2 below for the factor loadings for workaholism in the final measurement model).

Specifically, four different models were assessed: model 1: The expected two-factor model consisting of working compulsively and working excessively; model 2: A unidimensional model; model 4: a second-order model consisting of the working compulsively and working excessively first-order factors; and model 3: a two-factor second-order model working compulsively (indicated by “obsessive work drive” and “unease if not working”) and working excessively (indicated by “working frantically” and “working long hours”) as per Rantanen et al. (2015). The models were specified, and all indicators were set as categorical data except for the total work hours, which remained a continuous covariate in the model. Results of the CFA revealed that the two-factor model (model 1) was an acceptable fit to the data (CFI = .921; TLI = .914; RMSEA = .063 90% CI [.059, .067]; SRMR = 0.067). However, the correlation between working excessively and working compulsively was .86, indicating problematic discriminant validity. Farrell’s test for discriminant validity showed that the shared variance between the two constructs was larger than the AVE extracted. This result necessitated that the two-factor model be rejected (\(H_1\) rejected)—as discriminant validity was not evident.

The unidimensional model (model 2) was also an acceptable fit to the data: (CFI = .917; TLI = .910; RMSEA = .064 90% CI [.060, .068]; SRMR = 0.069). However, Rantanen et al. (2015) state that even though a unidimensional construct might be possible due to high correlations between the two workaholism components, they should be assessed separately as they conceptually refer to two different aspects of workaholism. To this end, two second-order models were tested: model 3 (in line with Rantanen and colleagues) and model 4 (a normal second-order model). The results showed...
that model 4 could not be accurately estimated due to a non-positive definite matrix and was therefore discarded from further consideration. However, model 4 was an acceptable fit to the data (CFI = .918; TLI = .911; RMSEA = .064 90% CI [.060, .068]; SRMR = .069)

As can be seen for the remaining models, models 2 and 3, the fit statistics were all similar with the RMSEA values show overlapping estimates—indicating that these models are not statistically distinguishable from each other. However, model 3 is considered superior to model 2 as it provides an overall workaholism score and considers the separate components. Therefore, substantively, the second-order model was selected as the model of choice for the remainder of the study. This result is also consistent with Engelbrecht et al. (2020).

Table 1 below presents the factor loadings for the remaining DUWAS items.

All the items loaded significantly on the first-order workaholism factors (p < .001) similarly for the higher-order factor loadings. The highest factor loading for working compulsively was item compuls2 (λ = .92, S.E. = .04; “I feel obliged to work hard, even when it’s not enjoyable”), and for working excessively excess1 (λ = .74, S.E. = .04; “I seem to be in a hurry and racing against the clock”). Furthermore, all the standard errors were relatively small, indicating the accuracy of the estimation process.

Reliability Coefficients and Correlation Matrix for the Study Variables

Cronbach’s alpha and omega reliability coefficients were calculated as indicators of internal consistency for the variables and are given on the diagonal of the correlation matrix in brackets below.

Table 2 below presents the correlation matrix for the study variables.

The Cronbach’s and omega reliability coefficients were all above the cut-off threshold (α ≥ .70), indicating acceptable internal consistency, except for the working excessively as a first-order factor (α = .64; ω = .61) which can still be considered acceptable (Nunnally & Bernstein, 1994). Moreover, the overall workaholism score was acceptable (α = .78; ω = .78). The correlation matrix showed that workaholism was positively correlated with work overload (r = .57 large effect; supporting H3) and total work hours (r = .34; medium effect supporting H6)—providing evidence for convergent validity. Furthermore, workaholism was statistically significantly negatively correlated to work engagement (r = −.18) and commitment (r = −.31; medium effect) but correlated positively with burnout with large effect size (r = .55). Therefore, workaholism was negatively correlated with positive outcomes and positively correlated with negative outcomes, as expected. The correlations between all the variables were below the .85 cut-off suggested concern regarding the discriminant validity of variables (Brown, 2015), except, of course, for the higher-order model components.

Criterion Validity

Per the research hypotheses (H5–H7), regression paths were added to the final measurement model. The structural model was considered an acceptable fit to the data (CFI = .90; TLI = .90; RMSEA = .07). The results of the regressions are given in Table 3 below.

Workaholism had a positive structural path to work overload (β = .57, S.E. = .05, p < .001; supporting H5) and negative structural path to work engagement in the sample (β = −.18, S.E. = .06, p < .001; supporting H4). Workaholism also had a negative structural path to organizational commitment (β = −.31, S.E. = .05, p < .001; supporting H6). Finally, workaholism had a positive structural path to burnout (β = .71, S.E. = .04, p < .001; supporting H7). Therefore, collectively, all these criterion-related validity hypotheses (H5–H7) were supported. Figure 1 presents the structural path relationships between workaholism and the organizational outcomes (i.e., work overload, work engagement, organizational commitment and burnout).

Figure 1 below presents a visual structural model with regression results.

Discussion

The study aimed to validate a workaholism scale (the English version of the DUWAS-10) by investigating its construct validity with the following variables: workaholism, work overload, work hours and several other outcomes (i.e., work engagement, organizational commitment and burnout). Firstly, the study investigated if the workaholism scale comprised a two-factor structure. The results of CFA revealed that the proposed two-factor measurement model was an acceptable fit for the data. However, upon closer inspection, the correlation between working excessively and working compulsively showed problematic discriminant validity (Brown, 2015). Specifically, the shared variance between the two proposed components was larger than the average variance extracted by each component, indicating problematic discriminant validity (Farrell, 2010).

Therefore, workaholism was operationalized as a second-order structure, which adequately fitted the data—isolating and integrating the explained variance of the working excessively and working compulsively variables into a higher-order latent variable, in contrast to most past studies. Balducci et al. (2017) also found that an adapted solution (correlation of errors) would best fit their data—even though this was not implemented. We believe the second-order model to be the model of choice, given that it allows for the first-order components (working compulsively and excessively) to remain available for future study comparison, but also provides an overall score which is “best of both worlds” when
considering only a unidimensional model. This is also in line with the suggestion by Rantanen et al. (2015) that a unidimensional model should be avoided as workaholism should be considered by its conceptualized components.

Reasons why the two-factor model was not the model of choice remain speculative but includes that participant interpretation of the item text does not clearly distinguish between the behavioral and cognitive aspects of the phenomenon as it does in other contexts. The removal of item three from the working compulsively component (“I feel that there is something inside of me that drives me to work hard”) might also indicate variation in participants’ interpretation of the literal interpretation of the item—although this is also speculation. The removal of this item created an adapted 9-item version of the DUWAS-10, a so-called “DUWAS-9” for further analyses.

In terms of reliability, the results indicated that Cronbach’s alpha and the omega showed acceptable values. Specifically, the workaholism construct attained a satisfactory value ($\alpha = .78; \omega = .78$)—indicating acceptable internal consistency. Then, convergent validity was established, as work overload and work hours were found to have positive and medium effect.
Figure 1. Structural regression paths for the criterion-related hypotheses.

significant relationships with workaholism. This is in line with Shimazu and Schaufeli (2009) that found workaholism, mainly working excessively, related to increased levels of job demands such as work overload. This can be explained by workaholics’ tendencies to work compulsively and excessively. For example, Taris et al. (2005) indicated that workaholics are inclined to increase their workload themselves by making simple tasks much more complicated, and as a result, they perceive to have a higher workload, ultimately increasing work hours.

Indeed, workaholism was also positively, significantly related to work hours (total per week), indicating that as workaholism increases, so does total work hours. This finding is consistent with past research, which also found a positive relation between workaholism and working beyond regular working hours (e.g., Bonebright et al., 2000; Shimazu & Schaufeli, 2009). Similarly, Taris et al. (2005) found that workaholics spend more time on work than their colleagues, suggesting that their total working hours are somewhat inflated in comparison.

In terms of discriminant validity, it was imperative for the established workaholism construct to constitute a variable that was not measuring the same phenomenon as other variables in the study (e.g., work overload). Therefore, it was postulated that workaholism would be related to work overload, burnout, organizational commitment, and work engagement—but that workaholism would be statistically distinguishable from these variables and not correlated (or overlapping) too highly. The results indicated that the correlations between all the variables were well below .85, suggesting sufficient and acceptable discriminant validity for the workaholism construct with the other constructs (Brown, 2015).

Workaholism showed a negative relationship with work engagement. Shimazu et al., 2012) differentiated two types of working hard: workaholism (i.e., undesirable type) and work engagement (i.e., desirable type). The underlying motivations can clarify these types for working hard: workaholics are driven by their compulsive behavior, whereas engaged individuals are encouraged by their intrinsic motivation (Shimazu et al., 2015). Also, both work engagement and workaholism are characterized by high effort (e.g., time and energy), but workaholism is more related to destructive (negative) affect and work engagement to constructive (positive) affect (Shimazu & Schaufeli, 2009). Thus, workaholism and work engagement are two entirely different concepts (Shimazu & Schaufeli, 2009). This result is also in line with Schaufeli et al.’s (2008) evidence of a negative relationship between workaholism and engagement.

Workaholism also had a negative relationship with organizational commitment. This is supported by Killinger (2006), who revealed that workaholic employees work hard because they feel they should; feelings of guilt and anxiety are evoked if they do not work, so their work devotion has little to do with commitment toward their work or organization. Negative affect is stimulated through feelings of nervousness and anxiety, which are characteristic of workaholics (Killinger, 2006), which can explain workaholics having lower organizational commitment. Douglas and Morris (2006) also showed that workaholics experience lower job satisfaction, insufficient growth opportunities, high work pressure and a stronger intention to leave the organization. The latter points to poor organizational commitment. Van Beek et al. (2012) also found that workaholic employees are more dissatisfied with their careers, less committed to their organization, and actively seek other jobs.

Lastly, workaholism was found to have a positive relationship with burnout. As mentioned above, workaholics are not motivated to work hard because they derive satisfaction from work or their high achievement orientation—instead, they are driven by their perfectionistic nature and overly strict standards (Bakker et al., 2013). Workaholism set unreasonably high standards for themselves and only allow a small margin for errors—therefore, little is ever completed well enough (Taris et al., 2010). Consequently, after finalizing work, they are known to re-check and redo work, initiating another cycle of excessive work activity (Stoeb & Damian, 2016). Thus, they continuously invest energy and effort toward work-related activities, ultimately draining that energy, resulting in burnout (Molino et al., 2015). This argument is supported by the job-demands resources (JD-R) model that explains how excessive work (overt job demands) develop into job stressors (Bakker & Demerouti, 2007) and the effort-recovery model that explains how individuals are then unable to recover adequately (Taris et al., 2006). Furthermore, workaholics continuously increase their work efforts to achieve their personal goals, which expend the individual’s energy, ultimately leading to burnout (Schaufeli et al., 2009). Therefore, these path results indicate that workaholism is an undesirable phenomenon within the South
African financial services sector and should not be considered model behavior as it will result in individual and organizational costs.

Limitations and Recommendations for Future Research

The first limitation of the study is that it only included employees within the financial services sector, presenting a somewhat limited view of the phenomenon. Therefore, future researchers should consider collecting samples from other industries and sectors to broaden our understanding of workaholism’s impact.

Secondly, the study utilized a cross-sectional research approach for data collection, meaning that data was only collected at a single point in time. This design is a valuable technique to understand how individuals feel about and view their occupation, but this design prevents the study from definitively presenting evidence for causal conclusions regarding the predictive hypotheses (Spector, 1994). Therefore, future researchers should also employ a longitudinal design to understand causal processes regarding the variables of interest (Taris & Kompier, 2003).

Lastly, the study used a self-report survey and people are inclined to answer personally sensitive questions in a socially desirable manner (Spector, 1994). Employees could have attempted to portray themselves more positively, tainting the overall picture of workaholism in this industry. Future researchers should utilize a mixed-method design by including interviews, structured, unstructured or semi-structured, depending on the responses they want to elicit—and perhaps objective data (if available) on, for example, total working hours.

Conclusion

This study aimed to validate a workaholism scale within the South African financial services industry. Investigation of instruments in other contexts is important as specific differences might exist as shown in this study. The adapted Dutch Work Addiction Scale (DUWAS-9; item 3 of working compulsively removed—see Table 1) demonstrated construct validity and presented as a reliable measuring instrument. Specifically, these study results in the South African financial services context have shown that workaholism is best operationalized as an overall score indicated by two first-order components (working compulsively and working excessively). Statistically significant relationships were established between workaholism and work overload, work hours, work engagement, organizational commitment, and burnout. Organizations are encouraged to utilize this scale to identify employees’ potential dysfunctional behavior patterns, which can influence the eventual profitability of an organization.

Authors’ Note

Significance of work: This validation study contributes to the understanding of the measurement of workaholism by showing that a second-order model indicated by an overall workaholism score made up of the individual workaholism component factors (working compulsively and working excessively) is the model of choice. This study enables researchers and professionals to measure workaholism more accurately on the African continent. It further adds to the debate that workaholism is undesirable and leads to negative consequences within the organizational context.

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