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PSYCH > Vol.2 No.7, October 2011

OPEN ACCESS

Factorial Validation of Warr's (1990) Well-Being Measure: A Sample Study on Police Officers

PDF (Size: 316KB) PP. 706-712 DOI: 10.4236/psych.2011.27108

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ABSTRACT

The purpose of this study was to test the factorial validity of the job-related affective well-being scale—the IWP Multi-Affect Indicator. The sample was composed of 1466 police officers and collected through self-report questionnaires. With the objective of validating the factorial structure of the IWP Multi-Affect Indicator, several models were tested using confirmatory factor analysis. The results supported a four-factor structure: anxiety, comfort, depression and enthusiasm, as well as a five-factor structure including the same four factors plus a second-order factor called global affective well-being.

KEYWORDS

Factorial Structure, Job-Related Affective Well-Being, Police

Cite this paper

Gonçalves, S. & Neves, J. (2011). Factorial Validation of Warr's (1990) Well-Being Measure: A Sample Study on Police Officers. *Psychology*, 2, 706-712. doi: 10.4236/psych.2011.27108.

References

- [1] Bindl, U. K., Warr, P. B., Parker, S. K., & Inceoglu, I. (submitted for presentation). Multiple patterns of affect-behavior associations. Annual SIOP Conference, Atlanta.
- [2] Bollen, K. A. (1990). A comment on model evaluation and modification. *Multivariate Behavioral Research*, 25, 181-185. doi: 10.1207/s15327906mbr2502_5
- [3] Briggs, S. R., & Cheek, J. M. (1986). The role of factor analysis in the development and evaluation of personality scales. *Journal of Personality*, 54, 106-148. doi: 10.1111/j.1467-6494.1986.tb00391.x
- [4] Chambel, M. J., & Curral, L. (2005). Stress in academic life: Work characteristics as predictors of student well-being and performance. *Applied Psychology: An International Review*, 54, 135-147. doi: 10.1111/j.1464-0597.2005.00200.x
- [5] Cifre, E., & Salanova, M. (2002). Multidimensionality and bipolarity of a Spanish Version of Warr's (1990) well-being measure. *The Journal of Psychology*, 136, 69-74. doi: 10.1080/00223980209604139
- [6] Daniels, K. (2000). Measure of five aspects of affective well-being. *Human Relations*, 53, 275-294.
- [7] Daniels, K., Brough, P., Guppy, A., Peters-Bean, K. M., & Weatherstone, L. (1997). A note on a modification to Warr's measures of work-related affective well-being. *Journal of Occupational and Organizational Psychology*, 70, 129-138. doi: 10.1111/j.2044-8325.1997.tb00638.x
- [8] Hair, J. F. Jr. et al. (1998). *Multivariate data analysis*. New Jersey: Prentice-Hall International, Inc.
- [9] Howieson, W. B. (2008). A quantitative evaluation of the reformulated 1996 path-goal theory of work unit leadership via structural equation modeling. Edinburgh: University of Edinburgh.
- [10] Hu, L.-T., & Bentler, P. (1999). Cutoff criteria for fit indexes in covariance structure analysis: Conventional criteria versus new alternatives. *Structural Equation Modeling*, 6, 1-55.

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- [11] Keyes, C. L. M. (2005). Mental illness and/or mental health? Investigating axioms of the complete state model of health. *Journal of Consulting and Clinical Psychology*, 73, 539-548. doi:10.1037/0022-006X.73.3.539
- [12] M?kikangas, A., Feldt, T., & Kinnunen, U. (2007). Warr' s scale of job-related affective well-being: A longitudinal examination of its structure and relationships with work characteristics. *Work & Stress*, 21, 197-219. doi:10.1080/02678370701662151
- [13] Mar?co, J. (2010). *Structural equation analysis: Theoretical foundations, software & applications*. P?ro Pinheiro: Report Number, Lda.
- [14] Marsh, H. W., Kit-Tai, H., & Wen, Z. L. (2004). In search of golden rules: Comment on hypothesis testing approaches to setting cutoff values for fit indexes and dangers in overgeneralizing Hu and Bentler' s (1999) findings. *Structural Equation Modeling*, 11, 320- 341. doi:10.1207/s15328007sem1103_2
- [15] Muchinsky, P. M. (2000). Emotions in the workplace: The neglect of organizational behavior. *Journal of Organizational Behaviour*, 21, 801-805. doi:10.1002/1099-1379(200011)21:7<801::AID-JOB999>3.0.CO;2-A
- [16] Russell, J. A. (1980). A circumplex model of affect. *Journal of Personality and Social Psychology*, 39, 1161-1178. doi:10.1037/h0077714
- [17] Sevastos, P., Smith, L., & Cordery, J. L. (1992). Evidence on the reliability and construct validity of Warr' s (1990) well-being and mental health measures. *Journal of Occupational and Organizational Psychology*, 65, 33-49. doi:10.1111/j.2044-8325.1992.tb00482.x
- [18] SPSS (2006). *Guide on how to use the AMOS*. Lisboa: SPPSS.
- [19] Van Horn, J. E., Taris, T. W., Schaufeli, W. B., & Schreurs, P. J. G. (2004). The structure of occupational well-being: A study among Dutch teachers. *Journal of Occupational and Organizational Psychology*, 77, 365-375. doi:10.1348/0963179041752718
- [20] Warr, P., & Parker, S. (2010). *IWP multi-affect Indicator*. Sheffield: Institute of Work Psychology, University of Sheffield. Paper no published.
- [21] Warr, P. (1987). *Work, unemployment, and mental health*. Oxford: Oxford University Press.
- [22] Warr, P. (1990). The measurement of well-being and other aspects of mental health. *Journal of Occupational Psychology*, 63, 193-210. doi:10.1111/j.2044-8325.1990.tb00521.x
- [23] Warr, P., Cook, J., & Wall, T. (1979). Scales for the measurement of some work attitudes and aspects of psychological well-being. *Journal of Occupational Psychology*, 52, 129-148. doi:10.1111/j.2044-8325.1979.tb00448.x