

UNDERSTANDING FACTOR ANALYSIS AS A METHOD FOR QUANTITATIVE RESEARCH

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ABSTRACT

Psychometrically sound instrument for applications in research, training and practice (Worthington & Whittaker, 2006) are produced through a proper and intensive process of scale development. This is realized through the application of factor analysis. Factor analysis is not just a simple statistical tool that you plug in all data and in an instant a result will come out. Yong and Pearce (2013) has explained how exploratory factor analysis. According to them “Factor analysis is mathematically complex and the criteria used to determine the number and significance of factors are vast.”

KEYWORDS: Quantitative Research & Factor Analysis