

**A MULTI-AXIAL MODEL OF META-EMOTIONAL
FUNCTIONS IN HEALTHY PEOPLE COMPARE
TO PEOPLE WITH MENTAL ILLNESS.
BRIEF SCIENTIFIC REPORT**

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Abstract: *A numerous of mathematical models that outline a long tradition of attempts to objectify measurements about simple and complex human feelings is addressed in this brief scientific release. There are statistical reasons for adopting valid indexes in the study of the process of identification and association of categories for simple emotions, emotion-laden themes and scripts (Tomkins 1979, Demorest 2008, Ferdinandov 2018a). Linear and non-linear functions are used to derive indices of objective frustration, subjective ambivalence and emotional conflicts between most frequently depicted emotions. Comparing statistical power, levels of significance and size effects of two samples – high-school students and undergraduates in psychology (N = 196, from 14 to 23 age old) and adults with unipolar depression, bipolar affective disorders and schizophrenia (N = 38, from 25 to 72 age old) are considered as a key factor that could be adopted as a distinguishing clue to mental disturbance. Differences in mental pace as a function of the time invested in understanding the conditions and fulfilling the linguistic tasks are elaborated. A "Misery" index (modified Utility index, Kahneman & Kruger 2006) has been found to represent a potential and statistically significant additional criterion to the objective properties. The modified utility ("Misery") index demonstrated very high statistical significance and observed power, but with moderate to strong size effects compare to the mental pace depending on healthy status. This functional model over-run other mathematical measurements about affective ambivalence and subjective frustration (Brown & Farber 1951, Scott 1966, Kaplan 1972, Thompson et al. 1995, Priester & Petty 1996). The virtual psycholinguistic experiment is available at the Internet address <https://testrain.info>*

Keywords: emotions; ambivalence; mathematical indexes; cognitive pace; mental health disturbances.

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