

The method of correlation selection based on IQ and EQ measurements for assessing the psychological stability of a person

Arnold Kiv, Tatyana Koycheva, Kateryna Kolesnykova

South-Ukrainian National Pedagogical University, 65000 Odessa, Ukraine

Abstract

In our study, it is proposed to evaluate the psychological stability of the individual on the basis of correlations of IQ and EQ characteristics. The goal of our study is to find out the effect of the value of IQ parameter on the correlation between the parameters IQ and EQ, suggesting that a good correlation between these parameters means a higher psychological stability of the personality.

In this research, we considered the psychological stability of the individual as an adequate response to an external stimulus of the intellectual nature, for example, to a humorous situation. We believe that in this case the correlation of IQ and EQ characteristics is significant. The participants in the experiment were tested using the Eysenck method for determining the parameter IQ and the method of Lyusin for determining the parameter EQ. 56 of middle-aged employees of a technical enterprise were tested. Then 3 groups were formed with different mean values of the IQ parameter.

The method of correlation selection based on IQ and EQ measurements is proposed. The created computer program allows revealing the influence in sequence of each member of the group on the average correlation coefficient and thus, excluding the member of the group that most strongly lowers the correlation coefficient. We carry out this procedure to bring the correlation coefficient to the desired value. Excluded members of the group are a subject to additional psychological research.

Keywords: psychological stability, correlation, selection, nature of humor