Results

Prior to analysis, gender, information, likeability, external attitude, internal attitude, overcompensation, self-esteem, and negative or positive attitude were examined though various SPSS programs for accuracy of data entry, missing values, and fit between their distributions and the assumptions of multivariate analysis. Each variable was examined separately for the 38 participants.

There were three cases in which the value for gender was missing, these were replaced. Subject 17 was out of range at a score of 12, this was adjusted to a score of two. One subject was a univariate outlier with a slightly low z-score. This case was not deleted because the z-score was not extremely low and because it was the only one out of the 38 subjects. By using Mahalanobis distance with p < .001, there was only one case identified as a multivariate outlier, this case was not deleted.

Linearity was checked using scatterplots and was found to be satisfactory. Skewness was also found to be satisfactory due to the fact that there were no extreme z-scores. Kurtosis peaked at the variable ‘likability’. Multicollinearity was satisfactory as well as homogeneity. However, there was a slight ‘megaphone’ effect when homoscedasticity was checked, so this was not as normal as preferred.