

Abstract

The objective of this study was to recognize the differences between who are high on neuroticism trait, psychoticism trait, and a control group of normals through subjects' responses to visual stimuli expose to them by rapidly computer. The general hypothesis of this study was: There are differences between the three groups in level of information processing (shallow, intermediate, deep). The basic sample consisted of 75 female students from the first grade in psychology department in Ain Shams University, their age range between (17-18) years. Eysenck personality Questionnaire, Trail Making Test, Special Stimuli Inventory of shallow level (Physical), Special Stimuli Inventory of Intermediate level (phonemic), and Special Stimuli Inventory of deep level (semantic) were applied individually, and each level was measured by free association, and recognition. Three-way ANOVA was preceded, the results of the analysis indicated that there are significant differences between the three groups in the level of information processing in favor of the normals. The results of the study were discussed in the light of the literature framework and previous studies, and the study suggested some recommendations based on the study's result.