

## **Investigation of the Relationship between Learning Styles and Personality Traits of University of Zanjan Students**

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Learning styles in the education process is considered as a one of crucial components. In this case one of the most important variables in learning process is focusing on personality characteristics of individuals. Therefore, this study aimed to investigate the relationship between learning styles and personality traits of University of Zanjan students. In order to achieve the objectives the data was collected from a sample including 140 students of University of Zanjan in all degrees. Data was collected by using a survey method and questionnaire was the main instrument. The questionnaire was included three sections of Kolb learning styles, NEO Inventory (NEO) Personality traits of individuals and demographic characteristics of respondents. Data analysis was performed using SPSS software. The results showed that in terms of learning styles most of students had an active experimentation learning styles, and in terms of personality traits most of them had a both Neuroticism and Agreeableness types of personality. Also, the results of correlation analysis showed that there was a positive and significant correlation between extraversion, openness, agreeableness and consciousness personality traits with concrete experience, reflective observation and active experimentation learning styles. While there was a negative and significant correlation between neuroticism personality characteristic with abstract conceptualization and concrete experience learning styles.

**Key Words:** learning styles, personality characteristics, students.