

The fluid intelligence and academic achievement and their relationship to some of personality traits within Damascus University students

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Abstract

This study aims at examining the relationship of fluid intelligence, as measured by the standard progressive matrices test (SPM PIUS) with some personality traits as measured by personal Eysenk scale of the personality, within a sample of students at the University of Damascus composed of 498 students, including 205 males and 293 females, and from theoretical and practical disciplines . The study found the following results:

- 1 - There is a significant negative relationship between the fluid intelligence and academic score with both Psychoticism and neuroticism, of the total sample and female, while there is no relationship for the male sample.
- 2 - There is a significant negative relationship between the fluid intelligence and academic score with both Psychoticism and neuroticism, with the theoretical disciplines, while this relationship is not significant for applied students disciplines.
- 3 - There are differences in the degree of fluid intelligence at different levels of neuroticism and Psychoticism in favor of the average level in the Psychoticism and the low level of neuroticism for females

sample mean while did not show differences among a sample of males.

4- It is possible to predict the fluid intelligence through the neuroticism and psychoticism scales. It is also possible to predict the academic score through Neuroticism only.

The researcher suggests further studies about the relationship between intelligence personality traits using different measures, and employed university students guidance to help them in solving their emotional problems, so that they can invest their mental abilities in a better way.