

RESEARCH PROJECT PARTICIPANTS: STUDENTS

The ODLEP questionnaire survey collected 644 responses from University Students across six participating Universities and the results identify statistically significant differences among the personality traits of the female and male participating Students.

ODLEP SURVEY STUDENTS' GENDER AND PERSONALITY TRAITS: INDEPENDENT SAMPLES TEST

The ODLEP project is funded by I.K.Y., the Erasmus+ National Agency in Greece (**Erasmus+ Programme Cooperation Partnership in Higher Education Key Action 2, Project reference No: 2022-1-EL01-KA220-HED-000089152**). Self-reported personality traits of all participating Students were measured on a scale assessing the Five Personality Factors of the Big Five Model and more specifically **extraversion, conscientiousness, agreeableness, neuroticism and**

openness to experience. Table 1 below summarizes the personality traits of all University Students who participated in the survey. Values range from 0-5, and higher values indicate the higher presence of the specific characteristic. Table 1 presents the average scores per gender.

Personality Traits	Gender	N	Mean	Std. Deviation	Std. Error Mean
AGREEABLENESS	FEMALE	312	3,4661	0,51901	0,02938
	MALE	332	3,3346	0,46053	0,02527
EXTRAVERSION	FEMALE	312	3,3098	0,54797	0,03102
	MALE	332	3,2530	0,46809	0,02569
NEUROTICISM	FEMALE	312	2,7600	0,66511	0,03765
	MALE	332	2,4258	0,64883	0,03561
OPENNESS TO EXPERIENCE	FEMALE	312	3,8253	0,50574	0,02863
	MALE	332	3,5512	0,48948	0,02686
CONSCIENTIOUSNESS	FEMALE	312	3,8391	0,63231	0,03580
	MALE	332	3,7512	0,63970	0,03511

Table 1. University Students Personality Traits – Average Scores per Gender

An independent-samples t-test was conducted to compare personality characteristics' scores for students assigned by female and male survey-participants. The results are presented in detail in the following Table 2. Firstly, mean and standard deviation among male and female participants per personality trait attributes are presented. Then follows, data relevant to: "Personality Traits", "t value", "Degrees of Freedom", and the value of "p" (2-tailed significance). Levene's test for equality of variances has taken place, in order to choose the appropriate data to interpret, based on the validity of the assumption of equal variances. The data reveals that there was a statistically significant difference in the scores among male and female students. There existed personality traits where the independent sample t-test did not identify statistically significant differences. It is very interesting to mention that female students scored higher to all considered attributes.

Personality Trait		Levene's Test for Equality of Variances		t-test for Equality of Means							
		F	Sig.	t	df	Significance		Mean Difference	Std. Error Difference	95% Confidence Interval of the Difference	
						One-Sided p	Two-Sided p			Lower	Upper
AGREEABLENESS	Equal variances assumed	6,813	0,009	3,405	642	0,000	0,001	0,13149	0,03861	0,05566	0,20732
	Equal variances not assumed			3,393	621,697	0,000	0,001	0,13149	0,03876	0,05538	0,20760
EXTRAVERSION	Equal variances assumed	3,506	0,062	1,417	642	0,078	0,157	0,05682	0,04008	0,02189	0,13553
	Equal variances not assumed			1,411	612,957	0,079	0,159	0,05682	0,04028	0,02228	0,13592
NEUROTICISM	Equal variances assumed	0,121	0,728	6,453	642	0,000	0,000	0,33419	0,05179	0,23250	0,43588
	Equal variances not assumed			6,448	637,179	0,000	0,000	0,33419	0,05183	0,23242	0,43596
OPENNESS TO EXPERIENCE	Equal variances assumed	0,410	0,522	6,989	642	0,000	0,000	0,27412	0,03922	0,19710	0,35113
	Equal variances not assumed			6,982	636,275	0,000	0,000	0,27412	0,03926	0,19702	0,35121
CONSCIENTIOUSNESS	Equal variances assumed	0,393	0,531	1,752	642	0,040	0,080	0,08790	0,05016	-0,0106	0,18639
	Equal variances not assumed			1,753	640,359	0,040	0,080	0,08790	0,05014	0,01056	0,18636

Table 2. Independent Samples Test

In the whole students' group the statistically significant differences focus on: Agreeableness, Neuroticism and Openness to Experience. According to the tables female students score higher in all personality traits.