

This study was undertaken to investigate the differences between art and science students of multiple intelligence categories and learning styles at intermediate level. Population of the study comprised all the arts and science female 12th grade students of government federal colleges of Islamabad city only. Stratified accessible random sampling was done. 40% was the desired sample therefore two strata were made arts and science group that were randomly selected from each stratum. Out of 5 F.G. colleges 3 colleges were selected the reason was, in 3 F.G. colleges there were two arts and science group Therefore, total number of sampled colleges was 3 and total number of students was 2197. One model college was selected for pilot study.

A learning style questionnaire, and multiple intelligence scale, was administered in sample colleges. Learning style instrument, assessed individual's learning styles in three areas (visual, aural, kinesthetic). The second instrument, the Multiple Intelligence Development Assessment Scale, provided information regarding different intelligence categories, to investigate the difference between arts and science students at intermediate level. (SPSS-X) software was used to analyze the data in this study. Independent sample t test and simple Univariate ANOVA and Tukey test were used to examine the data. Univariate Analysis of Variance (ANOVA) was used to test the differences in multiple intelligence categories based on demographics information. Results revealed that the arts and science students have strongest logical mathematical intelligence Arts students have weaker spatial intelligence whereas Science students have weaker musical intelligence; although there were significant difference between arts and science groups. Arts students' strongest preference was for Auditory learning style. Science student's strongest learning styles were visual and kinesthetic.

There was no significant difference between arts and science students in demographics information based on multiple intelligence categories.