1077-M1-1692   **Soofia Malik*** (`soofia.malik@unco.edu`), School of Mathematical Sciences, Campus box 122, 501 20th street, Greeley, CO 80639, and **Karen Traxler** (`Karen.Traxler@unco.edu`), School of Mathematical Sciences, Campus box 122, 501 20th street, Greeley, CO 80639. *Examination and Analysis of Undergraduate Students' Level of Statistics Anxiety with Respect to Gender and College-year.* Preliminary report.

The present study examined undergraduate students' statistics anxiety levels based on gender and college-year. The students were enrolled in an introductory statistics course. The sample consisted of 343 students (Males=123, Females=220) who volunteered to participate and completed a survey. The survey instrument's construct validity was tested through a confirmatory factor analysis. For the purpose of reliability, the consistency of the instrument's items was examined using Cronbach's alpha internal consistency and split-half reliability coefficients.To account for non-normal data (skew=-3.38), which translated into high statistical anxiety levels across gender and college-year, the Mann-Whitney-Wilcoxon, a non-parametric test, was performed in lieu of the parametric t-test. The results revealed that females were significantly more anxious about statistics than males. No significant difference was found between statistical anxiety and college-year. It is suggested that future studies conduct experimental research to examine the differences between anxiety levels based on gender and college-year of math and non-math majors. This presentation will expand upon the above results and discuss potential future directions for this research. (Received September 20, 2011)