

MANOVA Homework

Consider the females in the Family Control Study of Appendix C, and partition these females in groups according to education level (EDU). Use only their responses to the FACES questionnaire. Use $\alpha=.05$ throughout.

- a. Perform a MANOVA to determine if there are differences in the mean vectors for the different educational levels.
- b. Perform univariate ANOVA's for each of the FACES variables, and determine which variables show significant differences among groups.
- c. For those variables that show significant differences among groups, use the Tukey post hoc procedure to determine which groups are different from one another.