Homework #3
Statistics 5401/8401
Fall 2002

Reading:

Sep 25	Assessing Normality	4.6–8
Sep 27	Wishart Distribution and T^2	5.2–3
Sep 30	More T^2 and Multiple Testing	5.4–5
Sep 23	Multivariate Normal	4.2–5
Oct 2	Profile Analysis	6.7
Oct 4	Univariate Linear Models	review

Written Assignment (due in class, Wednesday October 2):

1. From the text: 4.4, 4.5 (a and c), 4.19.
2. Consider the data from exercise 1.4 of the text (the corporations data). Assess the multivariate normality of these data. If the data are nonnormal, how would you transform the data to make them more normal? If you have to transform the data, do the transformed data appear normal?
3. From the text: 5.18, 5.19.