Homework #3  
Statistics 5401/8401  
Fall 2002

Reading:
- Sep 25  Assessing Normality  4.6–8
- Sep 27  Wishart Distribution and T²  5.2–3
- Sep 30  More T² 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.