

Fall 2000 Course 513-697: Applied Linear Models
Assignment 4. Hand in on Wednesday September 20.

NWNW4

- Problems 2.17, 2.18, 2.19, 2.20, 2.22, 2.23 pp 89-91 ,
- Exercises 2.40, 2.42 2.43 pp 92-93

[can visualize idea in 2.42 using the Excel spreadsheet]

- in part c of 2.23, calculate a 99% CI for μ_1
 - (a) using the t-distribution
 - (b) using the F distribution

and interpret the CI. (be very careful about your wording!)

- Print out the "2/3" page of the excerpts from the Mosteller "Eye Fits" article (*found under Resources/Materials session 1 of course 678*) and get someone who is not a statistics student to draw in (using a ruler) the "best-fitting" line for each of the 4 datasets. Do not give any instructions as to what the criteria for "best" are.