

Due on Thursday, April 23, 2009

Make sure you show all your work on all problems; no credit will be given for just the answer.

1. Read sections 11.1, 11.2, 11.3, 11.5, and 12.1–12.5 of the text.
2. Do problems 5, 7, 13(a), 20 on pp. 384-388.

Note that problem 5(c) is not clear (and be wary of the answer in the back of the book). The last two sentences should read:

Assume that these data are realizations of random variables Y_1, \dots, Y_n which are independent and identically distributed according to an $\text{EXP}(850, \eta)$ distribution. Then find the distribution of $X_i = Y_i/850$ and use the result in (b) to find a 90% confidence interval for η .

3. Do problem 6 on page 437.

Suggested additional problems (DO NOT HAND IN): problems 3, 6, 8, 12, 17, 19 on pp. 384-388, problems 2, 3, 8 on pp. 436-441.