

TEXT HOMEWORK LIST

Problems will be assigned in the order listed below. “Chapter 1, #1bdf,2(C),4, ...” refers to Exercises 1.1 parts b, d and f, 1.2, 1.4, etc.. Due dates for specific exercise sets will be given in class. An exercise set will usually, but not always, consist of one line. Minor changes to this list are possible. For full credit, **proper work must be shown** and **all parts of an exercise must be answered**, including such questions as "What assumptions are required?", "Interpret the results", etc. Late homework will result in a substantial penalty and may not even be accepted.

Key To Letter Codes:

C: A Computer or Calculator with statistical capabilities may be helpful or necessary. Go to http://www.thomsonedu.com/statistics/book_content/0495110817_wackerly/applets/seeingstats/ (or Google “Gallery of bolder stats applets”) for the Applet Exercises. Make sure you don’t misconstrue the **C** as representing part c of a problem.

S: The problem is Short and relatively easy if the right statistical tools are utilized.

1. Ch. 1, #1bdf,2(C),4[for (a) do a *stemplot* instead of a histogram],9,13(C),19,20,22,29.
2. "Sampling, Experiments & Sampling Distributions" Handout, #5,7,12,44-47,53-55.
3. Ch. 8, #2,6,10,12(S),13(S),14ab,17,19. The book’s answer to 17c is incorrect (backward).
4. Ch. 9, #2,6(S),7(S),8
5. Ch. 7, #9,11,12,15(S),19,20b(S),21(S),22(C),37ab
6. Ch. 7, #49,52,58-60[refer to previous HW #7.15 before doing these three],96,97a(S)
7. Ch. 7, #65(C),68(C),72,73,76,84(S),87
8. Ch. 8, #23,24,26,28,29,34,35
9. Ch. 8, # 40a,41,42
10. Ch. 8, #50,53b,54,55[In 54&55 click “100 Samples” five times (the problems say “a few times”)],57-59,
11. Ch. 8, #61,63,64,66,67
12. Ch. 8, #70,73,74
13. "Confidence Intervals" Handout, #1-4
14. Ch. 8, #100(C),103(C).
15. Ch. 7, #24,25ac,33(S),38ab
16. Ch. 8, #80,82,85,86(C),88(C),91(C)
17. Ch. 9, #40,41,43,51,56,58,64a
18. Ch. 9, #69-71[you do not need to show that the estimator is consistent in #69]
19. Ch. 9, #80abd,84abd(S),86,88,91,95(S)
20. Ch. 10, #2,3,19,22,25,30,33,34[record rejection regions for #19,30,34 for use in next assignment]
21. Ch. 10, #7,39,41,42,45
22. Ch. 10, #50,53ab,56-58. The book’s answer to 53a is incorrect; it should be .1618.
23. "Tests of Significance" Handout, #25,26,45,46,51-53
24. Ch. 10, #61-63(C),64,67,68,73a,74(C),76
25. Ch. 10, #78-80,82cd,83,86,87
26. Ch. 10, #88,91,92,95,101 [Hint for #95: $2Y/\theta_0 \sim \chi^2$ with 6 d.f. if Y has the hypothesized distribution.]
27. Ch. 12, #10,13,15
28. Ch. 15, #3-5,9,13,15,16
29. Ch. 15, #24,25,28,67,68,74