Due Date: Wednesday, May 11, 2011

Text Book, Chapter 3-4 Exercises:

Assigned Problems (To be turned in for Credit)

3.68: “A certain type of digital camera comes in …” (page 120)
3.76: “A family decides to have children until ...” (page 121)
3.82: “Consider writing onto a computer disk…” (page 125)
3.86: “The number of people arriving for treatment at an emergency room…” (page 125)
3.88: “In proof testing of circuit boards, the probability …” (page 125)
4.2: “Suppose the reaction temperature…” (page 135)
4.4: “Let X denote the vibratory stress (psi) on a wind turbine blade…” (page 135)
4.5: “A college professor never finishes his lecture before the end…” (page 135)

Suggested Problems that do not need to turn in:.

3.74: “A second-stage smog alert has been called ….” (page 121)
3.75: “Suppose that p=P(male birth) = .5. A couple wishes to …”( page 121)
3.81: “Suppose that the number of drivers who travel…” (page 125)
3.101: “Of the people passing through an airport metal detector …”(page 121)
3.113: “A test for the presence of a certain disease …”(page 128)
4.6: “The actual tracking weight of a stereo cartridge…” (page 135)
   IGNORE part (a) (“Sketch the graph…”) for this problem
4.10: “A family of pdf’s that has been used to approximate the distribution…” (page 136)

Notes:

- Please submit your Assignment at the beginning of the class. As discussed in the Syllabus, late submissions will not be accepted.
- Remember that you must show all work when answering the questions. If the answer to the question is a calculation, be sure to write down the formula you used or describe how you made the calculation.
- Answers to Questions regarding probabilities should be given in the decimal format.