

Statistics 1211 Spring 2008 HW 3

Due in class or in my mailbox before class on Feb.18

Section 1 (credit/no credit):

You will not be responsible for the concept of a Poisson process on the midterm or final. However, the Poisson process arises in many applications of probability and statistics as a way of modeling how many rare events occur during a period of time. Complete Problem 3.120 on Page 129 of the text book which deals with the poisson process.. The background you need is on the last page of the section in the book (4.6) on the Poisson distribution. Try to use R to compute the answers for part b.

Section 2 (graded) from Devore, 7th edition: Exercises

from Section 3.3 : 29, 41, 42, 44, from Section 3.4 : 59, 62, 67 Problems in Section 3: 80, 108