Math 447 - Spring 2025 - Homework 15

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Status - Reading Assignments:

Here are the reading assignments to be completed before the first one of this HW.

WMS (Wackerly, et al. Textbook):

      ch.2 - ch.6 (skip 3.10, 4.11), WMS ch.7 corresponding to MF ch.13 assignments

MF447 lecture notes:

      ch.1 - ch.5, ch.6 (skim), ch.7 - ch.13.3 through Thm.13.9

Other:

      Nothing assigned yet

New reading assignments:

> Really important for the WMS reading assignments: Work through the examples!

Reading assignment 1 - due: Monday, April 28:

    a. Carefully read the remainder of MF ch.13.3. Very important for Math 448!
    b. Carefully read the parts of WMS ch.7.1 – 7.2 you have not yet studied.

Reading assignment 2 - due: Wednesday, April 30:

    a. Carefully read MF ch.13.4. Be sure to understand that there are two different versions of the CLT!

Reading assignment 3 - due Friday, May 2:

    a. Carefully read the parts of WMS ch.7.3.
    b. Carefully read the parts of WMS ch.7.5. Reread the material about the Poisson distribution that shows poisson(λ) as an approximation of binom(n, p_n) where $np_n \approx \lambda$.

Written assignments:

(a) Write from memory the definitions and theorems of MF ch.13.

(b) Review MF ch.8.2 (Sampling and Urn Models With and Without Replacement).

(c) No more WMS exercises.

Selected answers: N/A.