

MS Module 2 Confidence intervals – homework assignment

(The attached PDF file has better formatting.)

Homework assignment:

Solve any one of the following end of chapter problems, showing all work. The numerical answers are in the appendix to the textbook; for the homework assignment, show how the answer is derived.

- ! Problem 5 on page 384 (1st ed) / page 391 (2nd ed) / page 461 (3rd ed).
 - " Parts (a) and (b): show how to derive the confidence intervals.
- ! Problem 23 on page 392 (1st ed) / page 400 (2nd ed).
 - " Part (a): show how to derive the 99% confidence interval for p .
 - " Part (b): the textbook explains what value of p to use.
- ! Problem 17 part (b) and part (c) on page 470 (3rd ed).
 - " Part (b): show how to derive the confidence interval.
 - " Part (c): show how to derive the prediction interval.