

Homework 5

S320/520

Due by 4pm, Thursday 1st October

Please write “S320” or “S520” at the top of your homework. All students should answer all questions. Trosset question numbers refer to the hardcover textbook. Show all working.

For this homework, you may either upload your answers to Canvas (recommended) or submit on paper in class. If you upload to Canvas, your answers must be typed and in PDF format.

1. Trosset exercise 6.4.1
2. Trosset exercise 6.4.2
3. Trosset exercise 6.4.6. NOTE: There is a typo in the question: The variance of X should be $100/12$.
4. Trosset exercise 7.7.1 parts (a)–(e)
5. Trosset exercise 7.7.3