

Homework 4 for STA 250/MTH 342 – Fall 2017

Due at the beginning of class on September 27th, 2017

1. D&S (4th Ed.) Exercise 8.1.8 (page 469)
2. D&S (4th Ed.) Exercise 8.7.4 (page 512)
3. D&S (4th Ed.) Exercise 8.7.8 (page 513)
4. D&S (4th Ed.) Exercise 8.7.10 (page 513)
5. D&S (4th Ed.) Exercise 8.7.14 (page 513) In addition, what is the MSE of this estimator? Consider another estimator $\delta(\mathbf{X}) = Y_n$, find its MSE.
6. D&S (4th Ed.) Exercise 8.7.15 (page 513) (Note that for part (c) the book has the answer in the back. You need to show how to get that answer.)