

144. A sample of claim amounts is $\{300, 600, 1500\}$. By applying the deductible to this sample, the loss elimination ratio for a deductible of 100 per claim is estimated to be 0.125.

You are given the following simulations from the sample:

Simulation	Claim Amounts		
1	600	600	1500
2	1500	300	1500
3	1500	300	600
4	600	600	300
5	600	300	1500
6	600	600	1500
7	1500	1500	1500
8	1500	300	1500
9	300	600	300
10	600	600	600

Determine the bootstrap approximation to the mean square error of the estimate.

- (A) 0.003
- (B) 0.010
- (C) 0.021
- (D) 0.054
- (E) 0.081