

175. Three observed values of the random variable X are:

1 1 4

You estimate the third central moment of X using the estimator:

$$g(X_1, X_2, X_3) = \frac{1}{3} \sum (X_i - \bar{X})^3$$

Determine the bootstrap estimate of the mean-squared error of g .

- (A) Less than 3.0
- (B) At least 3.0, but less than 3.5
- (C) At least 3.5, but less than 4.0
- (D) At least 4.0, but less than 4.5
- (E) At least 4.5