

Question # 38

Answer: D

For this problem, $r = 4$ and $n = 7$. Then,

$$\hat{v} = \frac{33.60}{4(7-1)} = 1.4 \quad \text{and} \quad \hat{a} = \frac{3.3}{4-1} - \frac{1.4}{7} = .9.$$

Then,

$$k = \frac{1.4}{.9} = \frac{14}{9}; \quad Z = \frac{7}{7 + (14/9)} = \frac{63}{77} = .82.$$