

Question #77

Answer is E

The interval is centered at 2.09 and the plus/minus term is 0.46 which must equal $1.96\hat{\sigma}$ and so $\hat{\sigma} = 0.2347$. For the log-transformed interval we need

$\phi = e^{1.96(0.2347)/2.09} = 1.2462$. The lower limit is $2.09/1.2462 = 1.68$ and the upper limit is $2.09(1.2462) = 2.60$.