

## 7.3 Sampling Means

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Assignment Score: 97%

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Solution

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My Attempt

David's iPod has about 10,000 songs. The distribution of the play times for these songs is heavily skewed to the right with a mean of 225 seconds and a standard deviation of 60 seconds. Suppose we choose an SRS of 10 songs from this population and calculate the mean play time  $\bar{x}$  of these songs.

Identify the mean of the sampling distribution of  $\bar{x}$ .

- ☒  $\mu_{\bar{x}} = \mu = 225$
- ☐  $\mu_{\bar{x}} = \mu = \frac{225}{60} = 3.75$  seconds
- ☐  $\mu_{\bar{x}} = \mu = 60$  seconds
- ☐  $\mu_{\bar{x}} = \mu = \frac{225}{10} = 22.5$  seconds
- ☐  $\mu_{\bar{x}} = \mu = 10$  seconds

Solved