Monday, February 4, 2019

Warm-Up

- The principal of a large high school is concerned about the number of absences for students at his school. To investigate, he prints a list showing the number of absences during the last month for each of the **2500** students in the school. For this population of students, the distribution of absences last month is skewed right with a mean of μ =1.1 and a standard deviation of σ =1.4. Suppose that a random sample of **50** students is selected from the list printed by the principal and the sample mean number of absences is calculated.
 - What is the shape of the sampling distribution of the sample mean.
 Explain.
 - What are the mean and standard deviation of the sampling distribution of the sample mean?
- Check Homework
- Investigative Task



- Content Objective: I will find the mean and standard deviation of a sampling distribution and apply the Normal model to determine probability.
- Social Objective: I will listen and focus on the lesson despite distractions.
- Language Objective: I will use correct vocabulary and clearly ask questions when I do not understand.

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$$\frac{1.4}{\sqrt{50}} = 0.197$$

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Investigative Jask



