



distribution. The normal distribution allows for asset prices less than zero which could result in a return of less than -100%which is impossible. (Module 6.1, LOS 6.a)

6. (B) normally distributed.

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Explanation

For any random variable that is log normally distributed its natural logarithm (In) will be normally distributed.

(Module 6.1, LOS 6.a)

7. (A) cannot provide the insight that analytic methods can. Explanation

The major limitations of Monte Carlo simulation are that it is fairly complex and will provide answers that are no better than the assumptions used and that it cannot provide the insights that analytic methods can. Monte Carlo simulation is useful for performing "what if" scenarios. One of the first steps in Monte Carlo simulation is to specify the probably distribution along with the distribution parameters. The distribution specified does not have to be normal.

(Module 6.1, LOS 6.b)

8. (C) negatively skewed.

Explanation

A lognormal distribution is positively skewed and is bounded below by zero. If stock returns are continuously compounded, then prices follow a lognormal distribution under certain conditions.

(Module 6.1, LOS 6.a)

9. (C) remain the same size.

Explanation

With resampling, the starting point is the original sample, and subsamples are repeatedly drawn from it. Each subsample will have the same number of observations.

(Module 6.1, LOS 6.c)

10. (B) overall population.

Explanation

Samples are often used in a simulation to estimate parameters for a population. Resampling is just taking the original observed sample and repeatedly drawing sub samples to estimate population parameters, such as mean and variance. (Module 6.1, LOS 6.c)



11. (C) normally distributed.

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Explanation

For any random variable that is log normally distributed, its natural logarithm (In) will be normally distributed.

(Module 6.1, LOS 6.a)

12. (C) approximate solutions to complex problems. Explanation

This is the purpose of this type of simulation. The point is to construct distributions using complex combinations of hypothesized parameters. **(Module 6.1, LOS 6.b)**



