Answer on Question #85104 – Math – Statistics and Probability

Question

True or false
In statistics, a random sample means a sample that is selected haphazardly (without pattern).

Solution

The statement of the question is true.

A simple random sample (SRS) of size n is a sample of n units selected from a population in such a way that every sample of size n has an equal chance of being selected.

A stratified random sample is a sample selected by first dividing the population into non-overlapping groups called strata and then taking a simple random sample within each stratum.

In random sampling, there should be no pattern when drawing a sample.

On the other hand, a systematic sample is a sample in which units are selected in a "systematic" pattern in the population of interest.

Answer: True.