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Stats /

Notation for the population mean, sample mean, population standard...

Notation for the population mean, sample mean, population standard deviation, and sample standard deviation

Juan is a geneticist studying longevity. A recent study asserts that the ages of the redwood trees in a certain forest have a population mean of 1279 years with a population variance of 67,600 years².

To help evaluate if the study's assertion is true, Juan looks at a sample of 15 of these trees. These trees have a sample mean age of 1251 years and a sample variance of 96,721 years².

Fill in the blanks below with the proper notation for the population mean, the population variance, and the sample mean.

Population mean: = 1279 years

Population variance: = 67,600 years²

Sample mean: = 1251 years

	Mean	StD	Variance
population	μ	σ	σ^2
sample	$\bar{x}$	s	s^2