

What is a standard deviation?

By definition, standard deviation is a widely used measurement of variability or diversity used in statistics and probability theory. It shows how much variation or "dispersion" there is from the average mean or expected value). A low standard deviation indicates that the data points tend to be very close to the mean, whereas high standard deviation indicates that the data are spread out over a range of values.

Standard deviation can be used in the criminal justice field to determine various crimes that are committed and their average with regards to happening. The reason being is because probability theory has to do with random phenomena, in which much of crime committed is at times random acts of violence. More importantly it can help determine prior year crime rates with the current year to better determine the expected number based on current results.

Response 2

Standard deviation is a measurement of a variable used very often for statistics and a probability theory. This process is used to make use of important information regarding each result and are of greater utility in later statistical analysis. However, the knowledge of these measures is important if one wants to be able to understand the basis of many more different advanced statistical techniques. The use of standard deviation assumes that we have interval or ratio level variables. To find out the result of the standard deviation, one must figure out the square root of the sum of the squared deviations from the mean divided by a number of different cases. Standard deviation can be a helpful tool in the criminal justice field by investigating different crimes that have been committed finding out how often this particular crime is committed. this investigation came about by the probability theory in which that theory is involved with random phenomena. The standard deviation would be a easiest way to come up the yearly crime rates and possibly figure out what one could do to stop violence. Standard deviation can also be used to perform equation to find the result of why one makes the decision to committed acts of crime.

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