

Statistics Flashcards PDF

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What is the mean in statistics?

The mean is the average of a set of numbers, calculated by adding all the numbers together and dividing by the count of numbers.

What is the median in statistics?

The median is the middle value in a list of numbers, which separates the higher half from the lower half.

What is the mode in statistics?

The mode is the value that appears most frequently in a data set.

What is a standard deviation?

Standard deviation is a measure of the amount of variation or dispersion in a set of values.

What is a normal distribution?

A normal distribution is a probability distribution that is symmetric about the mean, showing that data near the mean are more frequent in occurrence than data far from the mean.

What is a sample in statistics?

A sample is a subset of a population used to represent the entire group.

What is a population in statistics?

A population is the entire group of individuals or instances about whom we hope to learn.

What is a hypothesis?

A hypothesis is a testable statement or prediction about the relationship between two or more variables.

What is a p-value?

A p-value is the probability that the observed results would occur by chance if the null hypothesis were true.

What is a confidence interval?

A confidence interval is a range of values that is likely to contain the population parameter with a certain level of confidence.