

What describes a sample?

A statistic is a measurable characteristic of a sample, it is a number that summarizes the data. For example, the average height of a portion of all football players in Canada is a parameter.

Populations are often difficult to study because of the cost, the difficulty surveying each individual or item, it is time consuming, and some tests may be destructive to the individual or item. Sometimes samples are used since the results may be adequate and easier to obtain.