

## Statistics Notation

This web page describes how symbols are used on the Stat Trek web site to represent numbers, variables, parameters, statistics, etc.

### Capitalization

In general, capital letters refer to population attributes (i.e., parameters); and lower-case letters refer to sample attributes (i.e., statistics). For example,

- $P$  refers to a population proportion; and  $p$ , to a sample proportion.
- $X$  refers to a set of population elements; and  $x$ , to a set of sample elements.
- $N$  refers to population size; and  $n$ , to sample size.