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Tool: Statistical Symbols

Test the Hypothesis

Instructions:
Use the table below to remind yourself of the meaning of various symbols used in statistical formulae.

Symbols Used in Statistical Testing		
Statistical symbol	**How to say it**	**Meaning or significance**
H_0	null hypothesis, or H naught	the statement you are trying to disprove
$\boldsymbol{\mu_0}$	mu naught	null mean
p_0	p naught	null proportion
H_a	alternative hypothesis, or H a	the statement you are trying to support
$\bar{x}$	x-bar	sample average
μ or μ_p	mu sub p	population average

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Symbols Used in Statistical Testing

Statistical symbol	How to say it	Meaning or significance
$\widehat{p}$	p-hat	sample proportion
p	p	population proportion
s	s	sample standard deviation
σ or σ_p	sigma	standard deviation of the population
n	sample size	number of items in the sample, or rows in the spreadsheet
SE	standard error	uncertainty in the estimate of the population parameter