$\bar{x}$**:** mean of sample
μ: mean of pop

s: standard deviation of sample
σ: standard deviation of population

$\hat{p}$**:** proportion of "successes" in sample
p: proportion of "successes" in population

Σ: sum of…
√**:** square root of…

n: number of observations/individuals in the sample

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df: degrees of freedom

df for one sample t-test: n-1

df for independent two samples t-test:
(It depends, but the conservative approach is to
use the smaller of n_1-1 and n_2-1)

df for matched pairs t-test: (number of pairs-1)

df for chi-square test: (number of columns – 1)*(number of rows – 1)

Test Statistics:

z: number of standard errors that separate sample proportions or sample proportion from "standard" (used for proportions)
t: number of standard errors that separate sample averages or sample average from "standard" (used for means with unknown pop st. dev.)
χ^2**:** Chi-square value