

$$t = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\left(\frac{(N_1 - 1)s_1^2 + (N_2 - 1)s_2^2}{N_1 + N_2 - 2}\right)\left(\frac{1}{N_1} + \frac{1}{N_2}\right)}}$$

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$$t = \frac{\bar{X}_1 - \bar{X}_2}{\sqrt{\left(\frac{(N_1 - 1)s_1^2 + (N_2 - 1)s_2^2}{N_1 + N_2 - 2}\right)\left(\frac{1}{N_1} + \frac{1}{N_2}\right)}}$$

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Single Sample T-Test Calculator

The value of *t* is -1.366669.

Population mean (*μ*)

72.0

Calculate

Reset

The *t*-value is -1.366669. The value of *p* is .204894. The result is *not* significant at *p* < .05.

Sample X

72.1

72.0

72.0

72.0

72.0

72.1

69.9

72.0

72.1

69.9

Significance Level:

- ☐ 0.01
- ☒ 0.05
- ☐ 0.10

One-tailed or two-tailed hypothesis?:

- ☐ One-tailed
- ☒ Two-tailed



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