

One-sample t test (or confidence interval)

1. Analyze → Compare means → One-Sample T test
2. Move the variable into the “Test Variable(s)” box.
3. Type the value of μ_0 under H_0 into the “Test Value” box.
4. By default, it will also give you the 95% confidence interval. To change the confidence level, you may click “Options” on the right bottom corner of the “One-Sample T Test” window and then change it. .
5. Continue → OK.
6. In the output, the P-value, *Sig. 2-tailed*, is for two-sided test. If you have a one-sided t test, your test P-value should be (*Sig. 2-tailed*)/2.
7. The one-sample t confidence interval = (Test value + Lower, Test value + Upper)