

Comparison of ‘Two-sample Independent *t*-test’ to other public software programs and statistical textbook.

Two-tailed p-value

	CI %, n ₁ , mean ₁ , s ₁ n ₂ , mean ₂ , s ₂		
Data input	95%, 7, 11.57142857, 8.81016729, 18, 7.444444444, 3.69772939	95%, 64, 54.4375, 12.05657958, 35, 47.42857143, 13.15582115	95%, 78, 92.88461538, 15.34451192, 46, 88.02173913, 12.20653583
OpenEpi Equal variance	0.1062	0.0087	0.0692
Unequal variance	0.2705	0.0113	0.0544
SAS Equal variance	0.1062	0.0087	0.0692
Unequal variance	0.2705	0.0113	0.0544
GraphPad Software Equal variance	0.1062	0.0087	0.0692
Unequal variance	0.2705	0.0113	0.0544

‘CI’ Confidence interval; ‘n₁’ sample size of Group 1; ‘s₁’ standard deviation of Group 1 mean; ‘n₂’ sample size of Group 2; ‘s₂’ standard deviation of Group 2 mean;

Reference:

- Bernard Rosner. Fundamentals of Biostatistics (5th edition).
- SAS Institute (Statistical Analysis System-version 8, Cary, North Carolina, USA)
- GraphPad Software. QuickCalc online calculators for scientists. (<http://graphpad.com/quickcalcs/ttest1.cfm?Format=SD>)