

Confidence Intervals for a Proportion.

Source: <http://www.epidata.dk/downloads/examples/prop.zip>

Confidence Intervals for a Proportion			
Numerator:	123	/ Denominator:	289
Enter two-sided confidence level (90, 95, or 99%):	95		
The point estimate (%) is:	42.561		
Confidence Interval Method	Std Error	95 % CI	
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Normal Approx. to the Binomial	2.988	36.868	48.261
Normal Approx. with Correction Factor	2.988	36.687	48.434
Wilson Method		36.994	48.322
Quadratic Method		36.827	48.496
		Save ?	(y)

Screen view of the Confidence Interval "calculator" based on a QES/REC/CHK file.
Adapted to EpiData by Kevin Sullivan, Emory University, USA.

References:

1. Rosner B. Fundamentals of Biostatistics. Duxbury Press, Boston, 1982 (normal approximation method)
2. Fleiss JL. Statistical Methods for Rates and Proportions, 2nd Ed. John Wiley & Sons, New York, 1981 (normal approximation method, normal approximation with correction, and quadratic).
3. Rothman KJ, Boice JD Jr: Epidemiologic analysis with a programmable calculator. NIH Pub No. 79-1649. Bethesda, MD: National Institutes of