Stat Trek Teach yourself statistics

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Binomial | Chi square | f distribution | Hypergeometric | Multinomial | Negative binomial | **Normal** | Poisson | t di

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AP Statistics

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Random Numbers

Create list of random numbers

Control list size, duplicates,
and range of values

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Random Number Generator

Sample Planning Wizard

- Description
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Cumulative Normal Distribution Calculator: Online Statistical Table

The Normal Distribution Calculator makes it easy to compute cumulative probability, given a normal random variable; and vice versa. For help in using the calculator, read the Frequently-Asked Questions or review the Sample Problems.

To learn more about the normal distribution, go to Stat Trek's tutorial on the normal distributi

- Enter a value in three of the four text boxes.
- Leave the fourth text box blank.
- Click the Calculate button to compute a value for the blank text box.

Standard score (z)	
Cumulative probability P(Z ≤ z)	
Mean	0
Standard deviation	1

Calculate

Note: The normal distribution table, found in the appendix of most statistics texts, is based on standard normal distribution, which has a mean of 0 and a standard deviation of 1. To produce outputs from a standard normal distribution with this calculator, set the mean equal to 0 and t standard deviation equal to 1.

Frequently-Asked Questions

Normal Distribution Calculator | Sample Problems

Instructions: To find the answer to a frequently-asked question, simply click on the question. I don't see the answer you need, try the Statistics Glossary or check out Stat Trek's tutorial on th normal distribution.

- Why is the normal distribution so important?
- What is a standard normal distribution?
- What is a normal random variable?
- What is a standard score?
- What is a probability?