



Expected value

By Frederic P. Miller

Alphascript Publishing Jan 2010, 2010. Taschenbuch. Condition: Neu. Neuware - In probability theory and statistics, the expected value mathematical expectation, or mean, of a random variable is the integral of the random variable with respect to its probability measure. For discrete random variables this is equivalent to the probability-weighted sum of the possible values. For continuous random variables with a density function it is the probability density-weighted integral of the possible values. The term 'expected value' can be misleading. It must not be confused with the 'most probable value.' The expected value is in general not a typical value that the random variable can take on. It is often helpful to interpret the expected value of a random variable as the long-run average value of the variable over many independent repetitions of an experiment. 92 pp. Englisch.



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