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de Finetti, Bruno

How to justify the “normal law” of probability in an elementary way? (Italian)

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This is a reprint of a paper published by *B. de Finetti* [Period. Mat., IV. S. 14, 197-210 (1934; Zbl 0009.314)] which is mainly devoted to the teaching of mathematics. The author's aim is that of finding a way of introducing in an elementary way the normal (or Gaussian) distribution. The approach is based on the property of stability of distributions (i.e., if X and Y are independent random numbers with normal distribution, also their sum is a random number with normal distribution).

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Keywords : Gaussian distribution; stability of distributions; normal distribution

Classification :

***62E10** Structure theory of statistical distributions

60A99 Foundations of probability theory

62A01 Foundational and philosophical topics

Cited in ...