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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 10094-2009

Replacing GB/T 10094-1988

**The confidence limits of quantile and coefficient of variation for
normal distribution**

正态分布分位数与变异系数的置信限

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Foreword

"Data processing and interpretation of the statistics" includes the following national standards. Statistical processing and interpretation

--- GB/T 3359 statistical data to determine the tolerance interval Statistical interpretation of comparison in the case of two paired observations mean

--- GB/T 3361 data Statistical interpretation of Binomial Distribution Reliability sided lower confidence limit

--- GB/T 4087 data

--- Statistical processing and interpretation binomial distribution parameters GB/T 4088 Estimation and Test Data

--- Statistical processing and interpretation of the Poisson distribution parameters GB/T 4089 Estimation and test data

--- GB/T 4882 Statistical interpretation of data normality test

--- Analyzing and processing GB /statistical processing and interpretation of normal sample outliers T 4883 data

--- GB/T 4885 Normal distribution complete reliability lower confidence limit

--- GB /statistical processing and interpretation of the mean and variance of normal distribution of data T 4889 Estimation and Testing

--- GB Statistical interpretation of normal distribution mean and variance test the efficacy/T 4890 data Analyzing and Processing

--- GB /statistical processing and interpretation of Type I extreme value distribution of the sample outliers T 6380 data

--- GB /Statistical interpretation Gamma distribution (Pearson III distribution) parameters T 8055 data estimates

--- GB /statistical processing and interpretation of data distribution index T 8056 judgment and sample handling outliers

1 Scope

GB/T 10094-2009 is the Chinese national standard on the confidence limits of quantile and coefficient of variation for normal distribution, in the field of services and company organization. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 15 October 2009 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 February 2010. Classification: ICS 03.120.30, CCS A41. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies a given confidence level normal quantile confidence intervals and coefficients of variation method of determining the upper limit of confidence. This standard applies to normal overall.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 3358.1 Statistics Vocabulary and symbols - Part 1. General statistical terms and terms (

GB/T 3358.1- for Probability 2009, ISO 3534-1.2006, IDT)

GB/T 3358.2 Statistics Vocabulary and symbols - Part 2. Applied Statistics (GB/T 3358.2-2009, ISO 3534-2.2006, IDT)

GB/T 4086.1 Tables for statistical distributions normal

GB/T 4086.2 Tables for statistical distributions chi

3 Terms, definitions and symbols

3.1 Terms and Definitions Terms and Definitions The following terms and definitions GB/T 3358.1 and

GB/T 3358.2 established apply to this standard. For ease of reference Test, certain terms are taken directly from the above criteria.