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

GB/T 4882-2001

Replacing GB/T 4882-1985

Statistical interpretation of data -- Normality tests

数据的统计处理和解释 正态性检验

(English Translation)

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What this standard covers

This standard specifies: a guide, observations on the assumption of mutual independence, determine whether the distribution is normal whether hypothesis is rejected methods and testing. When the normal distribution of the observed values ??are in doubt, using normal deviate test is useful for -, even necessary -. T-test to check the use of a random sample of observations means a departure from a given the theoretical value, This is the case a Lie. However, robust methods (ie, the observed value true when the probability distribution is not normal, conclusions only slightly changes) under the circumstances, deviation from normal testing is not necessary -. It is not strictly necessary to use such a test, while statistical methods based on the assumption of normality involved. Observations it may be completely normal in doubt -, may be theoretical (such as physical -) constitutes a reason for this assumption, may also be affected by prior information based on this assumption. The standard deviation from the normal distribution is for non-packet inspection the raw data, rather than packet data. Test does not apply to censored data. The standard deviation from the normal distribution test can be applied to the observed value, may also be applied to them function, such as logarithm, square root. When the sample size is less than 8, deviate normal distribution test results are very poor -. Therefore, the standard sample size limit is at least 8.

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Standards quoted by this document

GB/T 3358.1-1993