



METADATA

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Abstract

This text is about the use of statistical methods in Physical Sciences. We present the necessity of statistics for the analysis of experimental measurements, the theory of probabilities, the distribution of probabilities and their general properties. Also, we present some special probability distributions, which are very useful on the analysis of experimental measurements

for physical sciences. We continue, with the sample distributions, which correlates the samples with the population and develop some areas of the inductive statistics. We present the ways to construct the confidence intervals, the hypothesis testing. We grow the theory of errors and the least square fitting. We also present some non-parametric and ranking methods.

