

# Online Platform for Reliability Data Processing

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## Abstract

Reliability data, obtained from reliability tests, or collected over time from beneficiaries, workshop, are processed based on statistical models that result in estimated values of reliability indices for products considered. You can get numerical values or functions for which further processed allow a full analysis of reliability. The platform developed by the authors addresses the two main methods for assessment of reliability indices: nonparametric and parametric methods. The platform which was developed in MATLAB, it is part of a larger e-learning platform. It is used for training in engineering quality and reliability, particularly in electronics, but can be used by extension in any real reliability laboratory from other areas: mechanical, construction, etc.

**Keywords:** Reliability, Data, Reliability, Reliability indices, Data, Data processing, MATLAB

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