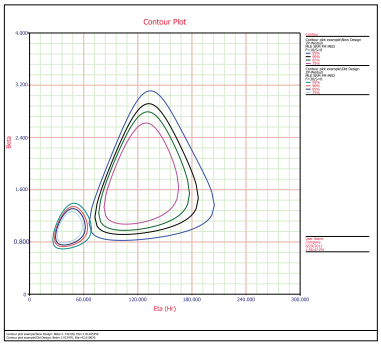
WEIBULL++®

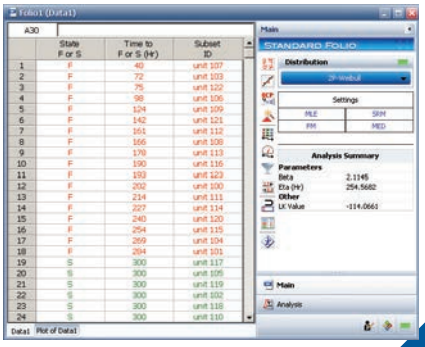
The standard for reliability life data analysis™

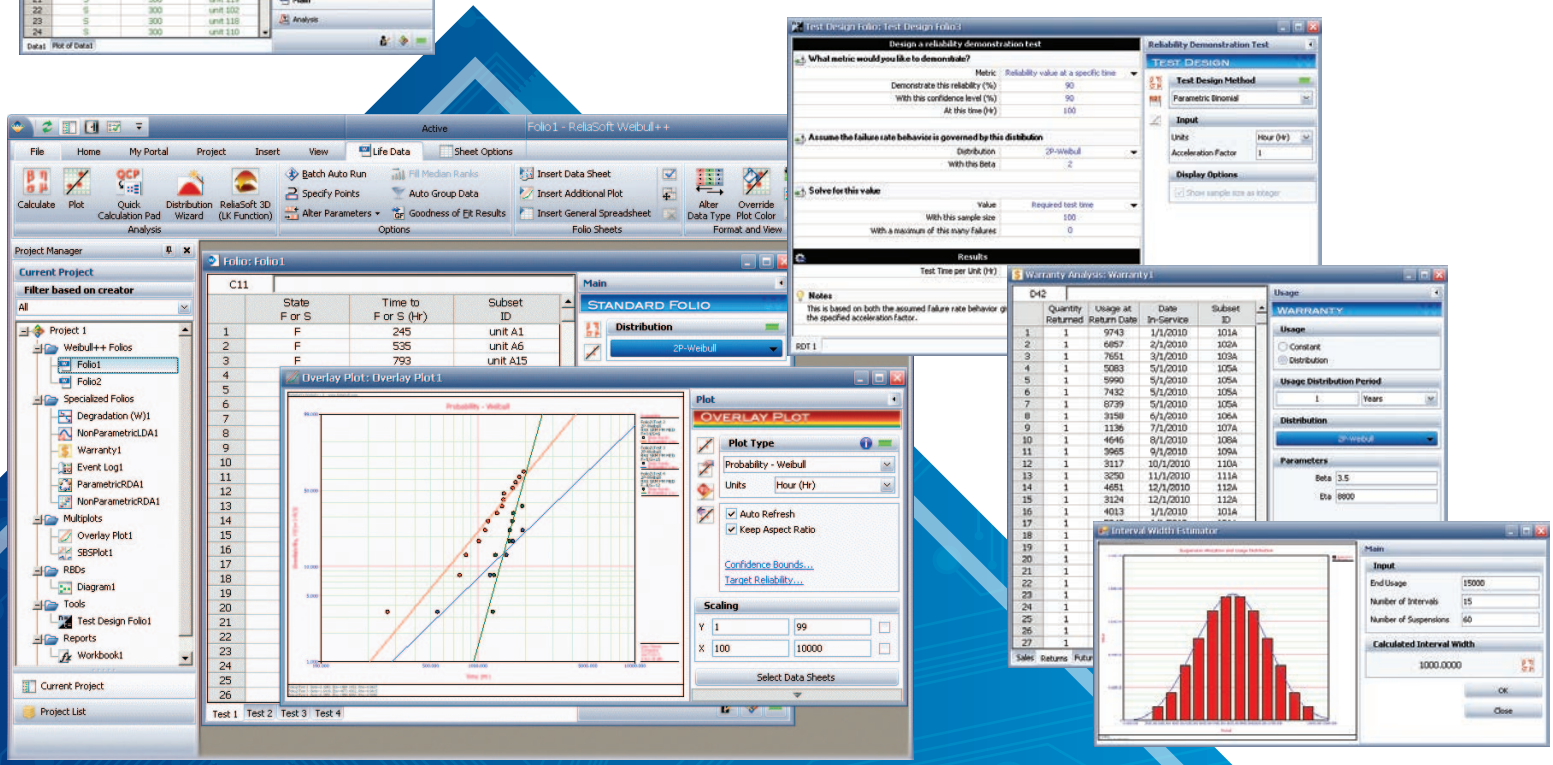


ReliaSoft's Weibull++ is the industry standard in life data analysis (Weibull analysis) for thousands of companies worldwide.

The software provides a complete array of data analysis, plotting and reporting tools for standard life data analysis (LDA) with integrated support for a variety of related analyses such as degradation data analysis, warranty data analysis, non-parametric life data analysis, recurrent event data analysis and reliability test design.

Weibull++ is part of the Synthesis Platform®.





http://Weibull.ReliaSoft.com

Software Highlights - ReliaSoft's Weibull++

Data Types (individually or in groups)
- Complete (Failure Time)
- Right Censored (Suspension Time)
- Left Censored
- Interval Censored
- Free-Form

Distributions
- Weibull
- Normal and Lognormal
- Exponential
- Gamma and Generalized Gamma
- Logistic and Loglogistic
- Gumbel
- Bayesian-Weibull
- Mixed Weibull
- Competing Failure Modes (CFM)

Analysis Types
- Rank Regression on X (RRX)
- Rank Regression on Y (RRY)
- Maximum Likelihood (MLE)
- Non-Linear Rank Regression

Ranking Methods
- Kaplan-Meier
- Median Ranks

Confidence Bounds Methods
- Likelihood Ratio
- Fisher Matrix
- Beta Binomial
- Bayesian (BSN)

Plot Types
- Probability
- Reliability vs. Time
- Unreliability vs. Time
- Failure Rate vs. Time
- *pdf* Plot
- Contour Plot
- Failures/Suspensions Histogram
- Failures/Suspensions Pie
- Failures/Suspensions Timeline

Integrated Utilities
- Distribution Wizard
- Quick Calculation Pad
- Overlay Plots (aka Multi-Plots)
- Side-by-Side Plots
- 3D Plots
- Monte Carlo Data
- SimuMatic®
- Block Diagrams
- Stress-Strength Analysis
- Data Set Life Comparison
- Reliability Test Design
- Maintenance Planning Tool
- Synthesis Workbooks (spreadsheet and word processing combined)
- Function Wizard
- Non-Linear Equation Root Finder
- Non-Linear Equation Fit Solver
- Quick Parameter Estimator
- Quick Statistical Reference

Related Analyses
- Warranty Analysis
  - Nevada
  - Times-to-Failure
  - Dates of Failure
  - Usage
- Degradation Analysis
  - Linear
  - Exponential
  - Power
  - Logarithmic
  - Gompertz
  - Lloyd-Lipow
  - User-Defined Model
- Destructive Degradation Analysis
- Event Log Conversion
- Recurrent Event Data Analysis
  - Mean Cumulative Function
  - General Renewal Process
- Non-Parametric Life Data Analysis
  - Kaplan-Meier
  - Simple Actuarial
  - Standard Actuarial

Import Types
- Microsoft Excel® Files
- Text Files (*.txt, *.csv, *.prn, *.smc)
- Weibull++/ALTA 6, 7 Files

Centralized Data Storage
- Standard Repository
- Microsoft SQL Server®
- Oracle®
- Simultaneous Access by Multiple Users
- Shared Analysis Settings and Data
- Flexible User Access Levels

Integration

Integration with all other Synthesis Platform applications.

Multiple Languages Supported

For details, please visit:
http://www.ReliaSoft.com/languages

Available Services
- Detailed User Documentation
- Practical Example Files
- Theoretical eTextbook
- Step-by-Step Example Guide
- Training for Theory + Software
- Professional Consulting Services

Real Power for Real Applications

The Weibull++ software provides an extensive array of tools to help you understand and communicate how a product will perform over time. Some of the many useful applications include the ability to:

- Compare suppliers or designs based on reliability.
- Demonstrate that an item meets specified reliability.
- Make predictions about performance during the useful life (or warranty) period.
- Use plots and other reports to effectively communicate performance estimates to management.

Why Upgrade to Version 10? (for details, visit http://Weibull.ReliaSoft.com/version10.htm)

- Major upgrades to the Synthesis Platform®, such as an integrated Project Planner with expanded actions tracking, automated watches and alerts, easier to find and filter analyses, batch properties editor for managing resources, better integration with Active Directory® for user account management, and the option to implement a Synthesis Enterprise Portal website.
- Fractional failure analysis, destructive degradation analysis and the ability to create your own user-defined degradation models.
- A completely upgraded 3D plot utility, interactive plot zoom, the ability to open multiple projects simultaneously, new Synthesis Workbooks for custom reports and the option to import data from an external database (via the Synthesis Data Warehouse).