Advances In Degradation Modeling

DOWNLOAD HERE

Preface.- William Q. Meeker Career and Accomplishments.- List of Contributors.- List of Tables.- List of Figures.- Part I. Review, Tutorials, and Perspective.- Trends in the Statistical Assessment of Reliability.-Degradation Processes: An Overview.- Defect Initiation, Growth, and Failure A General Statistical Model and Data Analyses.- Properties of Lifetime Estimators Based on Warranty Data Consisting only of Failures.- Part II. Shock Models.- Shock Models.- Parametric Shock Models.- Poisson Approximation of Processes with Locally Independent Increments and Semi-Markov Switching Toward Application in Reliability.- On Some Shock Models of Degradation.- Part III. Degradation Models.- The Wiener Process as a Degradation Model: Modeling and Parameter Estimation.- On the General Degradation Path Model: Review and Simulation.- A Closer Look at Degradation Models: Classical and Bayesian Approaches.-Optimal Prophylaxis Policy Under Non-Monotone Degradation. - Deterioration Processes With Increasing Thresholds.- Failure Time Models Based on Degradation Processes.- Degradation and Fuzzy Information.- A New Perspective on Damage Accumulation, Marker Processes, and Weibull s Distribution.- Part IV. Reliability Estimation and ALT.- Reliability Estimation of Mechanical Components Using Accelerated Life Testing Models.- Reliability Estimation from Fallure-Degradation Data with Covariates.- Asymptotic Properties of Redundant Systems Reliability Estimators.- An Approach to System Reliability Demonstration Based to Accelerated Test Results on Components.- Part V. Survival Function Estimation.- Robust Versus Non Parametric Approaches and Survival Data Analysis.- Modeling Recurrent Events for Repairable Systems Under Worse than Old Assumption.- Survival Models for Step-Stress Experiments with Lagged Effects.- Estimation of Density on Censored Data.- Part VI. Competing Risk and Chaotic Systems.- Toward a Test for Departure of a Trajectory From a Neighborhood of a Chaotic System.- Probability Plotting with Independent Competing Risks.- Index. EAN/ISBN : 9780817649241 Publisher(s): Birkhuser Format: ePub/PDF Author(s): Nikulin, Mikhail S. - Limnios, Nikolaos -Balakrishnan, Narayanaswamy

DOWNLOAD HERE

Similar manuals:

Advances In Degradation Modeling