

Literature Overview

Papers

1999

Main - Applicability of time-to-failure analysis to accelerated strain before earthquakes and volcanic eruptions

2001

Oh, Bai - Field data analyses with additional after-warranty failure data

2006

Zequeira, Bérenguer - Periodic imperfect preventive maintenance with two categories of competing failure modes

2008

Ishwaran, Kogular, Blackstone, Lauer - Random Survival Forests

Liang, (Yanyong) Zhang, Jette, Sivasubramaniam, Sahoo - BlueGene/L Failure Analysis and Prediction Models

2014

Garraghan, Townend, Xu - An Empirical Failure-Analysis of a Large-Scale Cloud Computing Environment

Frisk, Krysander, Larsson - Data-Driven Lead-Acid Battery Prognostics Using Random Survival Forests

2015

Dick, Eberhardt, Cabrejo-Liévano, Stead, Rose - Development of an early-warning time-of-failure analysis methodology for open-pit mine slopes utilizing ground-based slope stability radar monitoring data

2016

Liao, Ahn - Combining Deep Learning and Survival Analysis for Asset Health Management

2017

(Stephen) Harris, (David) Harris, (Chen) Li - Failure statistics for commercial lithium ion batteries: A study of 24 pouch cells

Katzman, Shaham, Cloninger, Bates, Jiang, Kluger - DeepSurv: Personalized Treatment Recommender System Using A Cox Proportional Hazards Deep Neural Network

2018

(Changhee) Lee, Zame, Yoon, van der Schaar - DeepHit: A Deep Learning Approach to Survival Analysis with Competing Risks

Xiong, (Shaoliang) Wang, (Xiangrong) Li, Yang, (Jianguo) Zhang, Yan, Tang - Mechanical behavior and Weibull statistics based failure analysis of vanadium flow battery stacks

TV, Malhotra, Vig, Shroff - Deep Ordinal Regression for Remaining Useful Life Estimation from Censored Data

2019

Kvamme, Borgan, Scheel - Time-to-Event Prediction with Neural Networks and Cox Regression (Interesting: Evaluation)

Kvamme, Borgan - Continuous and Discrete-Time Survival Prediction with Neural Networks

Jarrett, Yoon, van der Schaar - MATCH-Net: Dynamic Prediction in Survival Analysis using Convolutional Neural Networks

Pinto, Cerquitelli - Robot fault detection and remaining life estimation for predictive maintenance

2020

Zhao, Feng - DNNSURV: DEEP NEURAL NETWORKS FOR SURVIVAL ANALYSIS USING PSEUDO VALUES

2021

Nagpal, Yadlowsky, Rostamzadeh, Heller - Deep Cox Mixtures for Survival Regression

Nagpal, Jeanselme, Dubrawski - Deep Parametric Time-to-Event Regression with Time-Varying Covariates

Nagpal, (Xinyu) Li, Dubrawski - Deep Survival Machines: Fully Parametric Survival Regression and Representation Learning for Censored Data with Competing Risks

Zhong, Mueller, (Jane-Ling) Wang - Deep Extended Hazard Models for Survival Analysis

Hu, Fridgerisson, Wingen, Welling - Transformer-Based Deep Survival Analysis

(Xinyu) Li, Krivtsov, Arora - Attention-based deep survival model for time series data (Application and Review, Summary of Deep Survival Models)

Bender, Rügamer, Scheipl, Bischl - A General Machine Learning Framework for Survival Analysis

Hrnjica, Softic - The Survival Analysis for a Predictive Maintenance in Manufacturing (hatte noch kein Access)

2022

Suresh, Severn, Ghosh - (Review paper) Survival prediction models: an introduction to discrete-time modeling

Zhong, Mueller, (Jane-Ling) Wang - DEEP LEARNING FOR THE PARTIALLY LINEAR COX MODEL

Han, Goldstein, Ranganath - Survival Mixture Density Networks

(Zifeng) Wang, Sun - SurvTRACE: Transformers for Survival Analysis with Competing Events

(Zhen) Yang, Kanninen, Krogerus, Emmert-Streib - Prognostic modeling of predictive maintenance with survival analysis for mobile work equipment (Overview over simple parametric models)

Sekaran, Živadinovi, Spiliopoulou - Transferability of a Battery Cell End-of-Life Prediction Model Using Survival Analysis

2023

Kavasidis, Lallas, Gerogiannis, Charitou, Karageorgos - Predictive maintenance in pharmaceutical manufacturing lines using deep transformers

Meriem, Nora, Samir - Predictive Maintenance for Smart Industrial Systems: A Roadmap

Papathanasiou, Demertzis, Tziritas - Machine Failure Prediction Using Survival Analysis (Extensive Evaluation section)

Thesis

2016 Masters - Survival analysis of gas turbine components

2018 Masters - Survival Models for Vehicle Predictive Maintenance

2019 Masters - Performance of Survival Models on Predictive Maintenance of Construction Machines

Software

2022 - Nagpal, Potosnak, Dubrawski - auton-survival: an Open-Source Package for Regression, Counterfactual Estimation, Evaluation and Phenotyping with Censored Time-to-Event Data

scikit-survival: [scikit-survivalhttps://scikit-survival.readthedocs.io/en/stable/index.html](https://scikit-survival.readthedocs.io/en/stable/index.html)