

Edsel A Pena

List of Publications by Year in descending order

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57
papers

1,194
citations

516710

16
h-index

395702

33
g-index

62
all docs

62
docs citations

62
times ranked

1343
citing authors

#	ARTICLE	IF	CITATIONS
1	Diet alters age-related remodeling of aortic collagen in mice susceptible to atherosclerosis. American Journal of Physiology - Heart and Circulatory Physiology, 2021, 320, H52-H65.	3.2	5
2	Prediction Regions for Poisson and Over-Dispersed Poisson Regression Models with Applications in Forecasting the Number of Deaths during the COVID-19 Pandemic. Open Statistics, 2021, 2, 81-112.	0.5	4
3	Treatment effect on ordinal functional outcome using piecewise multistate Markov model with unobservable baseline: an application to the modified Rankin scale. Journal of Biopharmaceutical Statistics, 2019, 29, 82-97.	0.8	2
4	Model Selection and Estimation with Quantal Response Data in Benchmark Risk Assessment. Risk Analysis, 2017, 37, 716-732.	2.7	3
5	Assessing Type I error and power of multistate Markov models for panel data: A simulation study. Communications in Statistics Part B: Simulation and Computation, 2017, 46, 7040-7061.	1.2	8
6	Comparison of multistate Markov modeling with contemporary outcomes in a reanalysis of the NINDS tissue plasminogen activator for acute ischemic stroke treatment trial. PLoS ONE, 2017, 12, e0187050.	2.5	4
7	Comparison of Aortic Collagen Fiber Angle Distribution in Mouse Models of Atherosclerosis Using Second-Harmonic Generation (SHG) Microscopy. Microscopy and Microanalysis, 2016, 22, 55-62.	0.4	16
8	Asymptotics for a class of dynamic recurrent event models. Journal of Nonparametric Statistics, 2016, 28, 716-735.	0.9	8
9	Sojourning With the Homogeneous Poisson Process. American Statistician, 2016, 70, 413-423.	1.6	3
10	Classes of multiple decision functions strongly controlling FWER and FDR. Metrika, 2015, 78, 563-595.	0.8	1
11	Nonparametric Bayes estimation of gap-time distribution with recurrent event data. Journal of Nonparametric Statistics, 2014, 26, 575-598.	0.9	5
12	Compound p -value statistics for multiple testing procedures. Journal of Multivariate Analysis, 2014, 126, 153-166.	1.0	5
13	Nonparametric estimation with recurrent competing risks data. Lifetime Data Analysis, 2014, 20, 514-537.	0.9	6
14	Information theoretic model-averaged benchmark dose analysis in environmental risk assessment. Environmetrics, 2013, 24, 143-157.	1.4	32
15	Bayes multiple decision functions. Electronic Journal of Statistics, 2013, 7, 1272-1300.	0.7	4
16	Parametric Estimation in a Recurrent Competing Risks Model. Journal of the Iranian Statistical Society, 2013, 12, 153-181.	0.2	2
17	Semiparametric estimation with recurrent event data under informative monitoring. Journal of Nonparametric Statistics, 2012, 24, 733-752.	0.9	1
18	The impact of model uncertainty on benchmark dose estimation. Environmetrics, 2012, 23, 706-716.	1.4	26

#	ARTICLE	IF	CITATIONS
19	Power-enhanced multiple decision functions controlling family-wise error and false discovery rates. <i>Annals of Statistics</i> , 2011, 39, 556-583.	2.6	33
20	Randomised P -values and nonparametric procedures in multiple testing. <i>Journal of Nonparametric Statistics</i> , 2011, 23, 583-604.	0.9	24
21	Recurrent events and the exploding Cox model. <i>Lifetime Data Analysis</i> , 2010, 16, 525-546.	0.9	16
22	Estimation and efficiency with recurrent event data under informative monitoring. <i>Journal of Statistical Planning and Inference</i> , 2010, 140, 597-615.	0.6	7
23	A General Class of Parametric Models for Recurrent Event Data. <i>Technometrics</i> , 2007, 49, 210-221.	1.9	27
24	Semiparametric inference for a general class of models for recurrent events. <i>Journal of Statistical Planning and Inference</i> , 2007, 137, 1727-1747.	0.6	62
25	Parametric latent class joint model for a longitudinal biomarker and recurrent events. <i>Statistics in Medicine</i> , 2007, 26, 5285-5302.	1.6	33
26	Global Validation of Linear Model Assumptions. <i>Journal of the American Statistical Association</i> , 2006, 101, 341-354.	3.1	304
27	Dynamic Modeling and Statistical Analysis of Event Times. <i>Statistical Science</i> , 2006, 21, 1-26.	2.8	77
28	DYNAMIC MODELING IN RELIABILITY AND SURVIVAL ANALYSIS. <i>Series on Quality, Reliability and Engineering Statistics</i> , 2005, , 55-71.	0.2	2
29	A basis approach to goodness-of-fit testing in recurrent event models. <i>Journal of Statistical Planning and Inference</i> , 2005, 133, 285-303.	0.6	11
30	Modelling intervention effects after cancer relapses. <i>Statistics in Medicine</i> , 2005, 24, 3959-3975.	1.6	12
31	Variance Estimation in a Model With Gaussian Submodels. <i>Journal of the American Statistical Association</i> , 2005, 100, 296-309.	3.1	6
32	Estimating Load-Sharing Properties in a Dynamic Reliability System. <i>Journal of the American Statistical Association</i> , 2005, 100, 262-272.	3.1	116
33	Variance Estimation in a Model with Gaussian Sub-Models. <i>Journal of the American Statistical Association</i> , 2005, 100, 296-309.	3.1	3
34	Nonparametric Methods in Reliability. <i>Statistical Science</i> , 2004, 19, 644-651.	2.8	17
35	Models for Recurrent Events in Reliability and Survival Analysis. <i>Profiles in Operations Research</i> , 2004, , 105-123.	0.4	35
36	Goodness-of-fit of the distribution of time-to-first-occurrence in recurrent event models. <i>Lifetime Data Analysis</i> , 2001, 7, 289-306.	0.9	14

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37	A Weak Convergence Result Relevant in Recurrent and Renewal Models. , 2000, , 493-514.		9
38	Properties of test statistics applied to residuals in failure time models. Journal of Statistical Planning and Inference, 1999, 75, 181-209.	0.6	1
39	Order Statistic Properties, Random Generation, and Goodness-of-Fit Testing for a Minimal Repair Model. Journal of the American Statistical Association, 1999, 94, 266-272.	3.1	14
40	A DYNAMIC COMPETING RISKS MODEL. Probability in the Engineering and Informational Sciences, 1999, 13, 333-358.	0.8	16
41	Order Statistic Properties, Random Generation, and Goodness-of-Fit Testing for a Minimal Repair Model. Journal of the American Statistical Association, 1999, 94, 266.	3.1	2
42	Ancillarity properties of generalized residuals with applications in failure time models. Journal of Statistical Planning and Inference, 1998, 74, 31-49.	0.6	2
43	Smooth Goodness-of-Fit Tests for the Baseline Hazard in Cox's Proportional Hazards Model. Journal of the American Statistical Association, 1998, 93, 673.	3.1	10
44	Smooth Goodness-of-Fit Tests for the Baseline Hazard in Cox's Proportional Hazards Model. Journal of the American Statistical Association, 1998, 93, 673-692.	3.1	32
45	Smooth goodness-of-fit tests for composite hypothesis in hazard based models. Annals of Statistics, 1998, 26, .	2.6	29
46	Reliability models and inference for systems operating in different environments. Naval Research Logistics, 1996, 43, 1079-1108.	2.2	3
47	Dynamic reliability models with conditional proportional hazards. Lifetime Data Analysis, 1995, 1, 377-401.	0.9	48
48	Inference for a General Type II Censorship Model. Statistics, 1995, 26, 241-252.	0.6	0
49	Properties of Hazard-Based Residuals and Implications in Model Diagnostics. Journal of the American Statistical Association, 1995, 90, 185-197.	3.1	21
50	Properties of Hazard-Based Residuals and Implications in Model Diagnostics. Journal of the American Statistical Association, 1995, 90, 185.	3.1	7
51	Some Comments about Sufficiency and Unbiased Estimation. American Statistician, 1994, 48, 242-243.	1.6	1
52	A Chi-Squared Goodness-of-Fit Test for Randomly Censored Data. Journal of the American Statistical Association, 1992, 87, 458-463.	3.1	48
53	A Chi-Squared Goodness-of-Fit Test for Randomly Censored Data. Journal of the American Statistical Association, 1992, 87, 458.	3.1	6
54	Improved estimation for a model arising in reliability and competing risks. Journal of Multivariate Analysis, 1991, 36, 18-34.	1.0	2

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55	A simple motivation for James-Stein estimators. <i>Statistics and Probability Letters</i> , 1991, 12, 337-340.	0.7	5
56	Estimation of parameters under a random censorship model. <i>Communications in Statistics - Theory and Methods</i> , 1988, 17, 2819-2829.	1.0	0
57	Prediction intervals for Poisson-based regression models. <i>Wiley Interdisciplinary Reviews: Computational Statistics</i> , 0, , e1568.	3.9	2