

JACOBO DE UÑA-ÁLVAREZ - FULL PUBLICATION LIST

Updated: June 2020

A. Published papers:

A.1. Theoretical/methodological [Published papers]:

1. Sánchez Sellero, C., de Uña Álvarez, J. (1997), Comment on "Universal smoothing factor selection in density estimation: Theory and Practice" by Luc Devroye, *Test* 6, 307-309
2. de Uña Álvarez, J., González Manteiga, W. (1998), Distributional convergence under proportional censorship when covariables are present, *Statistics and Probability Letters* 39, 305-315
3. de Uña Álvarez, J., González Manteiga, W. (1999), Strong consistency under proportional censorship when covariables are present, *Statistics and Probability Letters* 42, 283-292
4. de Uña Álvarez, J., González Manteiga, W., Cadarso Suárez, C. (2000), Kernel distribution function estimation under the Koziol-Green model, *Journal of Statistical Planning and Inference* 87, 199-219
5. de Uña Álvarez, J. (2000), Strong consistency of the jackknife estimate of variance and covariance for Koziol-Green integrals, *Statistics* 34, 301-352
6. de Uña Álvarez, J. (2001), Product-limit estimation for length-biased censored data, *Statistical Review* 2, 213-216
7. de Uña Álvarez, J., Otero Giráldez, M. S., Álvarez Llorente, G. (2001), Unemployment duration analysis for married women in Spain: dealing with length-biased and right-censored information, *Statistical Review* 2, 393-394
8. de Uña Álvarez, J. (2002), Product-limit estimation for length-biased censored data, *Test* 11, 109-126
9. de Uña Álvarez, J., González Manteiga, W., Cadarso Suárez, C. (2003), Chi-squared goodness-of-fit theory under proportional censorship, *Journal of Statistical Planning and Inference* 109, 101-124
10. de Uña Álvarez, J. (2003). Large sample results under biased sampling when covariables are present. *Statistics and Probability Letters* 63, 287-293
11. Marron, J. S., de Uña Álvarez, J. (2004). SiZer for length-biased, censored density and hazard estimation. *Journal of Statistical Planning and Inference* 121, 149-161

12. de Uña Álvarez, J., Saavedra, A. (2004). Bias and variance of the nonparametric MLE under length-biased censored sampling: a simulation study. *Communications in Statistics – Simulation and Computation* 33, 397-413
13. Rodríguez Casal, A., de Uña Álvarez, J. (2004). Nonlinear wavelet density estimation under the Koziol-Green model. *Journal of Nonparametric Statistics* 16, 91-109
14. de Uña Álvarez, J. (2004) Nonparametric estimation under length-biased sampling and Type I censoring: a moment based approach. *Annals of the Institute of Statistical Mathematics* 56, 667-681
15. de Uña Álvarez, J. (2004). Nelson-Aalen and product-limit estimation in selection bias models for censored populations. *Journal of Nonparametric Statistics* 16, 761-777
16. de Uña Álvarez, J., Rodríguez Campos, C. M. (2004). Strong consistency of presmoothed Kaplan-Meier integrals when covariables are present. *Statistics* 38, 483-496
17. de Uña Álvarez, J., Rodríguez Casal, A. (2006). Comparing nonparametric estimators for length-biased data. *Communications in Statistics –Theory and Methods* 35, 905-919
18. Meira Machado, L., de Uña Álvarez, J., Cadarso Suárez, C. (2006). Nonparametric estimation of transition probabilities in a non-Markov illness-death model. *Lifetime Data Analysis* 12, 325-344
19. de Uña Álvarez, J. and Rodríguez Casal, A. (2007). Nonparametric estimation from length-biased data under competing risks. *Computational Statistics & Data Analysis* 51, 2653-2669
20. Iglesias Pérez, M.C., de Uña Álvarez, J. (2008). Nonparametric estimation of the conditional distribution in a semiparametric censorship model. *Journal of Statistical Planning and Inference* 138, 3044-3058
21. de Uña Álvarez, J., Meira Machado, L. (2008) A simple estimator of the bivariate distribution function from censored gap times. *Statistics & Probability Letters* 78, 2440-2445
22. Martínez Cambor, P., de Uña Álvarez, J., Corral Blanco, N. (2008) K-Sample test based on the common area of kernel density estimators, *Journal of Statistical Planning and Inference* 138, 4006-4020
23. Meira Machado, L., Cadarso Suárez, C., de Uña Álvarez, J. (2008) Inference in the progressive three-state model. *Intern. J. Mathematical Models and Methods in Applied Sciences* 3 (Vol. 2), 447-454

24. Meira Machado, L., de Uña Álvarez, J., Cadarso Suárez, C., Andersen, P.K. (2009) Multi-state models for the analysis of time to event data. *Statistical Methods in Medical Research* 18, 195-222
25. Liang, H. Y., de Uña Álvarez, J. (2009) A Berry-Esseen type bound in kernel density estimation for strong mixing censored samples. *Journal of Multivariate Analysis* 100, 1219-1231
26. de Uña Álvarez, J., Roca Pardiñas, J. (2009) Additive models in censored regression. *Computational Statistics and Data Analysis* 53, 3490-3501
27. Carvajal Rodríguez, A., de Uña Álvarez, J., Rolán Álvarez, E. (2009). A new multitest correction (SGoF) that increases its statistical power when increasing the number of tests, *BMC Bioinformatics* 10:209, pp. 1-14
28. Martínez Cambor, P., de Uña Álvarez, J. (2009) Non-parametric k-sample test: density functions vs. distribution functions. *Computational Statistics and Data Analysis* 53, 3344-3357
29. Liang, H.Y., de Uña Álvarez, J. (2010) Asymptotic normality for estimator of conditional mode under left-truncated and dependent observations. *Metrika* 72, 1-19
30. de Uña Álvarez, J., Iglesias Pérez, M.C. (2010) Nonparametric estimation of a conditional distribution from length-biased data. *Annals of the Institute of Statistical Mathematics* 62, 323-341
31. de Uña Álvarez, J., Liang, H.Y, Rodríguez Casal, A. (2010) Nonlinear wavelet estimator of the regression function under left-truncated dependent data, *Journal of Nonparametric Statistics* 22, 319-344
32. Moreira, C., de Uña Álvarez, J. (2010) Bootstrapping the NPMLE for doubly truncated data., *Journal of Nonparametric Statistics* 22, 567-583
33. Moreira, C., de Uña Álvarez, J. (2010) A semiparametric estimator of survival for doubly truncated data, *Statistics in Medicine* 29, 3147-3159
34. de Uña-Álvarez J., Carvajal-Rodríguez A (2010) 'SGoFicance Trace': assessing significance in high dimensional testing problems. *PLoS ONE*, 5(12): e15930
35. de Uña-Álvarez, J., Amorim, A.P. (2011) A semiparametric estimator of the bivariate distribution function for censored gap times. *Biometrical Journal* 53, 113-127
36. Liang H.Y., de Uña-Álvarez J. (2011) Wavelet estimation of conditional density with truncated, censored and dependent data. *Journal of Multivariate Analysis* 102, 448-467
37. de Uña-Álvarez, J. (2011) Comment on 'Nonparametric inference based on panel count data'. *Test* 20, 62-64

38. Cao, R; Stute, W; Vieu, P; de Uña J (2010) Editorial, Special issue: Papers inspired by the International Seminar on Nonparametric Inference held at the University of Vigo, Vigo, November 5–7, 2008. *J. Nonparametr. Stat.* 22 , no. 5-6, 545–546
39. Liang HY, de Uña-Álvarez J, Iglesias-Pérez MC (2011) Local polynomial estimation of a conditional mean function with dependent truncated data. *Test* 20, 653-677
40. Amorim AP, de Uña-Álvarez J, Meira-Machado L (2011) Presmoothing the transition probabilities in the illness-death model. *Statistics & Probability Letters* (Special Issue: Statistics in Biological and Medical Sciences) 81, 797-806
41. de Uña-Álvarez J (2011) On the statistical properties of SGoF multitesting method. *Statistical Applications in Genetics and Molecular Biology*, Vol. 10, Iss. 1, Article 18, 1-30
42. Liang HY, de Uña-Álvarez J (2012) Empirical likelihood for conditional quantile with left-truncated and dependent data. *Annals of the Institute of Statistical Mathematics*, 64, 765-790
43. Van Keilegom I, de Uña-Álvarez J, Meira-Machado L (2011) Nonparametric location-scale models for censored successive survival times. *Journal of Statistical Planning and Inference* 141, 1118-1131
44. Liang, H.Y., de Uña Álvarez, J. (2011) Asymptotic properties of conditional quantile estimator for censored dependent observations. *Annals of the Institute of Statistical Mathematics* 63, 267-289
45. Liang, H.Y., de Uña-Álvarez J (2011) Conditional quantile estimation with auxiliary information for left-truncated and dependent data. *Journal of Statistical Planning and Inference* 141, 3475-3488
46. Carvajal-Rodríguez A., de Uña-Álvarez, J (2011) Assessing significance in high-throughput experiments by sequential goodness of fit and q-value estimation. *PLoS ONE* 6(9): e24700
47. Rodríguez-Girondo M, de Uña-Álvarez J (2012) Testing Markovianity in the three-state progressive model via future-past association. *Biometrical Journal* 54, 163-180
48. Liang HY, de Uña-Álvarez J, Iglesias-Pérez MC (2012) Asymptotic properties of conditional distribution estimator with truncated, censored and dependent data. *Test*, 21, 790-810
49. de Uña-Álvarez J (2012) The Beta-Binomial SGoF for multiple dependent tests. *Statistical Applications in Genetics and Molecular Biology*, Vol. 11, Iss. 3, Article 14

50. Moreira C, de Uña-Álvarez J (2012) Kernel density estimation with doubly truncated data. *Electronic Journal of Statistics* 6, 501-521
51. Rodríguez-Girondo M, de Uña-Álvarez J (2012) A nonparametric test for markovianity in the illness-death model. *Statistics in Medicine* 31, 4416-4427
52. de Uña-Álvarez J, Veraverbeke N (2013) Generalized copula-graphic estimator. *Test* 22, 343-360
53. Martínez-Cambor P, de Uña-Álvarez J (2013) Studying the bandwidth in k-sample smooth tests. *Computational Statistics* 28, 875-892
54. Martínez-Cambor P, de Uña-Álvarez J (2013) Density comparison for independent and right censored samples via kernel smoothing. *Computational Statistics* 28, 269-288
55. Franco-Pereira A, de Uña-Álvarez J (2013) Estimation of a monotone percentile residual life function under random censorship. *Biometrical Journal* 55, 52-67
56. Moreira A, de Uña-Álvarez J, Meira-Machado L (2013) Presmoothing the Aalen-Johansen estimator in the illness-death model. *Electronic Journal of Statistics* 7, 1491-1516
57. de Uña-Álvarez J (2013) Comments on 'An updated review of Goodness-of-Fit tests for regression models'. *Test* 22, 414-418
58. Moreira C, de Uña-Álvarez J, Van Keilegom I (2014) Goodness-of-fit tests for a semiparametric model under random double truncation. *Computational Statistics* 29, 1365-1379
59. Liang HY, de Uña-Álvarez J, Iglesias-Pérez MC (2015) A CLT in nonparametric regression with truncated, censored and dependent data. *Scandinavian Journal of Statistics* 42, 256-269
60. Castro-Conde I, de Uña-Álvarez J (2015) Adjusted p-values for SGoF multiple test procedure. *Biometrical Journal* 57, 108-122
61. Azarang L, de Uña-Álvarez J, Stute W (2015) The jackknife estimate of covariance for two Kaplan-Meier integrals with covariates. *Statistics* 49, 1005-1025
62. Meira-Machado L, de Uña-Álvarez J, Datta S (2015) Nonparametric estimation of conditional transition probabilities in a non-Markov illness-death model. *Computational Statistics* 30, 377-397
63. de Uña-Álvarez J, Meira-Machado L (2015) Nonparametric estimation of transition probabilities in the non-Markov illness-death model: a comparative study. *Biometrics* 61, 364-375

64. Castro-Conde I, de Uña-Álvarez J (2015) Power, FDR and conservativeness of BB-SGoF method. *Computational Statistics* 30, 1143-1161
65. Dikta G, Külheim R, Mendonça J, de Uña-Álvarez J (2016). Asymptotic representation of presmoothed Kaplan-Meier integrals with covariates in a semiparametric censorship model. *Journal of Statistical Planning and Inference* 171, 10-37
66. Moreira C, de Uña-Álvarez J, Meira-Machado L (2016) Nonparametric regression with doubly truncated data. *Computational Statistics and Data Analysis* 93, 294-307
67. Rodríguez-Girondo M, de Uña-Álvarez J (2016) Methods for testing the Markov condition in the illness-death model: a comparative study. *Statistics in Medicine* 35, 3549-3562
68. Castro-Conde, I., Doehler, S., de Uña-Álvarez, J. (2017) An extended sequential goodness-of-fit multiple testing method for discrete data. *Statistical Methods in Medical Research* 26, 2356-2375.
69. de Uña-Álvarez J, Veraverbeke N (2017) Copula-graphic estimation with left-truncated and right-censored data. *Statistics* 51, 387-403
70. Azarang L, Scheike T, de Uña-Álvarez J (2017) Direct Modeling of Regression Effects for Transition Probabilities in the Progressive Illness-Death Model. *Statistics in Medicine* 36, 1964-1976
71. Mandel M, de Uña-Álvarez J, Simon DK, Betensky RA (2018) Inverse Probability Weighted Cox Regression for Doubly Truncated Data. *Biometrics* 74, 481-487
72. de Uña-Álvarez J, Mandel M (2018) Nonparametric Estimation of Transition Probabilities for a General Progressive Multi-State Model Under Cross-Sectional Sampling. *Biometrics* 74, 1203-1212
73. Moreira C, de Uña-Álvarez J, Braekers, R (2018) Nonparametric estimation of a distribution function from doubly truncated data under dependence. arXiv:1802.08579v1
74. Jiménez-Otero N, de Uña-Álvarez J, Pardo-Fernández, JC. (2019) Goodness-of-fit tests for disorder detection in NGS experiments. *Biometrical Journal* 61, 424-441.
75. Cousido-Rocha M, de Uña-Álvarez J, Hart JD (2019) Testing equality of a large number of densities under mixing conditions. *Test* 28, 1203-1228
76. Gómez Melis G, Bretz F, de Uña Álvarez J (2019) Advanced Topics in Biostatistics: Editorial for the ISCB38 Special Issue. *Biometrical Journal* 61 (Editorial), 243-244

77. Nielsen EE, Nørskov AK, Lange T, Thabane L, Wetterslev J, Beyersmann J, de Uña-Álvarez J, Torri V, Billot L, Putter H, Winkel P, Glud C, Jakobsen JC (2019) Assessing assumptions for statistical analyses in randomised clinical trials. *BMJ Evidence-Based Medicine* 24, 185-189
78. Cousido-Rocha M, de Uña-Álvarez J, Hart J (2019) A two-sample test for the equality of univariate marginal distributions for high-dimensional data. *Journal of Multivariate Analysis* 174, November 2019, 104537; <https://doi.org/10.1016/j.jmva.2019.104537>.
79. Heuchenne C, de Uña-Álvarez J, Laurent G (2020) Estimation from cross-sectional data under a semiparametric truncation model. *Biometrika* 107, 449-465.
80. de Uña-Álvarez J (2020) Nonparametric estimation of the cumulative incidences of competing risks under double truncation. *Biometrical Journal* 62, 852-867.
81. Nørskov AK, Lange T, Nielsen EE, Glud C, Winkel P, Beyersmann J, de Uña-Álvarez J, Torri V, Billot L, Putter H, Wetterslev J, Thabane L, Jakobsen JC (2020) Assessment of assumptions of statistical analysis methods in randomised clinical trials; the what, and how. *BMJ Evidence-Based Medicine*, 10.1136/bmjebm-2019-111268.
82. de Uña-Álvarez J, Van Keilegom I (2020) Efron-Petrosian integrals for doubly truncated data with covariates: an asymptotic analysis. *Bernoulli*, [to appear](#).
83. Cousido-Rocha M, de Uña-Álvarez J, Doehler S (2020) Improved q-values for discrete uniform and homogeneous tests: a comparative study. arXiv 2006.01882

A.2. Applied [Published papers]:

1. Álvarez Llorente, G., Otero Giráldez, M. S., de Uña Álvarez, J. (2002), Transición de la fuerza laboral femenina: un estudio a nivel regional en España, *Revista de Estudios Regionales* 64, 187-206
2. de Uña Álvarez, J., Otero Giráldez, M. S., Álvarez Llorente, G. (2003), Estimation under length-bias and right-censoring: an application to unemployment duration analysis for married women, *Journal of Applied Statistics* 30, 283-291
3. Arévalo Tomé, R., Otero Giráldez, M.S., de Uña Álvarez, J. (2006). Estimación de la duración residencial a partir del período de ocupación declarado por los hogares españoles. *Hacienda Pública Española –Revista de Economía Pública* 176, 87-105

4. Arévalo Tomé, R., Otero Giráldez, M.S., de Uña Álvarez, J. (2007). Estimación del tiempo total de residencia de los hogares: un estudio comparativo entre España y Portugal, *Estudios de Economía Aplicada*, Vol. 25 (2), 609-630
5. Pérez Figueroa, A., de Uña Álvarez, J., Conde Padín, P., Rolán Álvarez, E. (2008) Comparing two methods for analysing the biological factors contributing to assortative mating or sexual isolation. *Evolutionary Ecology Research* 10, 1-16
6. de Uña Álvarez, J., Arévalo Tomé, R., Otero Giráldez, M.S. (2009). Nonparametric estimation of households' duration of residence from panel data. *Journal of Real Estate Finance and Economics* 39, 58-73
7. Álvarez Díaz, M., González Gómez, M., Saavedra, A., de Uña Álvarez, J. (2010). On dichotomous choice contingent valuation data analysis: semiparametric methods and genetic programming. *Journal of Forest Economics* 16, 145-156
8. Martínez-Cambor P, de Uña-Álvarez J, Díaz-Corte, C (2015) Expanded renal transplantation: a competing risk model approach. *Journal of Applied Statistics* 42, 2539-2553
9. J. Pego, A. Lois, F. López, M. Galindo, J. Calvo, J. Uña, V. Balboa, A. Olivé, C. Mouriño, T. Otón, J. Ibañez, L. Horcada, A. Sánchez, R. Blanco, C. Montilla, R. Melero, E. Diez, M. Fernández, E. Ruiz, J. Hernández, M. Gantes, B. Hernández, A. Pecondón, N. Lozano, G. Bonilla, V. Torrente, I. Rúa , on behalf of RELESSER EASSER Group. (2015) SAT0402 Damage and Mortality in SLE: Cluster Analysis of Patients from SLE Registry from the Spanish Society of Rheumatology (RELESSER). *Annals of the Rheumatic Diseases* 74(Suppl 2) 804-805 (<http://dx.doi.org/10.1136/annrheumdis-2015-eular.3202>)
10. J.M. Pego-Reigosa, M. Ucha, F. Maceiras, R. Melero, M. Álvarez, C. Mouriño, A. Martín, M. Rodríguez, M. Rodríguez, V. Balboa, J. Uña, I. Hernández, C. Barbazán, G. Piñeiro, N. Martínez. (2015) THU0349 Analysis of Real Costs of Biologic Therapy for the Treatment of Chronic Inflammatory Arthropaties in a Tertiary University Hospital. A Pilot Study. *Annals of the Rheumatic Diseases* 74 (Suppl 2) 321-322 (<http://dx.doi.org/10.1136/annrheumdis-2015-eular.3159>)
11. Pego-Reigosa, J.M., Lois-Iglesias, A., Rúa-Figueroa, Í., Galindo, M., Calvo-Alén, J., de Uña-Álvarez, J., Balboa-Barreiro, V. et al. (2015). Relationship between damage clustering and mortality in systemic lupus erythematosus in early and late stages of the disease: cluster analyses in a large cohort from the Spanish Society of Rheumatology Lupus Registry (RELESSER). *Rheumatology* 55, 1243-1250.
12. A. Martin Vila, R. Melero Gonzalez, N. Martinez Lopez de Catro, M. Álvarez Payero, M.R. Rodriguez, F. Maceiras Pan, C. Mouriño, M. Rodríguez López, I. Hernández Rodríguez, C. Barbazán Álvarez, M. Samartin Ucha, V. Balboa Barreiro, J. De Uña Álvarez, G. Piñeiro Corrales, J.M. Pego Reigosa (2016) SAT0154 Reasons for Discontinuation The Biological Treatment in Chronic

Inflammatory Arthropathy. *Annals of the Rheumatic Diseases* 75 (Suppl 2) 721 (doi:10.1136/annrheumdis-2016-eular.4969)

13. Pego-Reigosa JM, Lois-Iglesias A, Mouriño C, López-Longo FJ, Galindo M, Calvo-Alén J, de Uña J, Balboa V et al. (2016) THU0333 Chronological analysis of damage accrual in SLE patients from the Spanish registry (RELESSER). *Annals of the Rheumatic Diseases* 75 (Suppl 2) 307 (doi: 10.1136/annrheumdis-2016-eular.2467)
14. A. Martin Vila, R. Melero Gonzalez, N. Martinez Lopez de Catro, M. Álvarez Payero, M.R. Rodriguez, F. Maceiras Pan, C. Mouriño, M. Rodríguez López, I. Hernández Rodriguez, C. Barbazán Álvarez, M. Samartin Ucha, V. Balboa Barreiro, J. De Uña Álvarez, G. Piñeiro Corrales, J.M. Pego Reigosa (2016) AB0338 Survival of Biological Drugs in The Treatment of Chronic Inflammatory Arthropathies. *Annals of the Rheumatic Diseases* 75 (Suppl 2) 1017 (doi: 10.1136/annrheumdis-2016-eular.5126)
15. Montes García V, Gómez-González B, Solís D, Taboada J, Jiménez Otero N, de Uña-Álvarez J, Obelleiro F, García-Río L, Perez-Juste J, Pastoriza-Santos I (2017) Pillar[5]arene-Based Supramolecular Plasmonic Thin Films for Label-free, Quantitative and Multiplex SERS Detection. *ACS Applied Materials & Interfaces* 9, 26372–26382
16. Torrente-Segarra V, C Marras, JM Pego-Reigosa, C Montilla, O Fernández-Berrizbeitia, A Sánchez-Atrio, E Salgado, FJ Lopez-Longo, V Balboa-Barreiro, R Blanco, C Mouriño-Rodríguez, M Galindo-Izquierdo, J De Uña-Álvarez, JA Hernández-Beriain, J Calvo-Alén, JL Andreu, M Gantes, A Pecondon-Español, E Díez-Álvarez, G Bonilla, B Hernandez, L Horcada, TC Salman-Monte, I Rua-Figueroa Iñigo, A Olive. Relationship between damage and mortality in juvenile-onset systemic lupus erythematosus: cluster analyses in a large cohort from the Spanish Society of Rheumatology Lupus Registry (RELESSER). *Seminars in Arthritis and Rheumatism* 2018; 1-5.
<https://doi.org/10.1016/j.semarthrit.2018.09.005>

A.3. Software [Published papers]:

1. Meira Machado, L., Cadarso Suárez, C., de Uña Álvarez, J. (2007). tdc.msm: An R library for the analysis of multi-state survival data. *Computer Methods and Programs in Biomedicine* 86, 131-140
2. Moreira, C., de Uña-Álvarez, J., Crujeiras, R. (2010) DTDA: An R package to analyze randomly truncated data, *Journal of Statistical Software* 37, 1-20
3. Castro-Conde I, de Uña-Álvarez J (2014) sgof: An R Package for Multiple Testing Problems. *The R Journal* Vol. 6/2, 96-113.

4. Balboa, V, de Uña-Álvarez J (2018) Estimation of Transition Probabilities for the Illness-Death Model: Package TP.idm. *Journal of Statistical Software* 83, 1-19.
5. de Uña-Álvarez J (2020) R packages for the statistical analysis of doubly truncated data: a review. arXiv 2004.08978.

B. Books/book chapters:

1. de Uña Álvarez, J., González Manteiga, W., Cadarso Suárez, C. (1997) Bootstrap selection of the smoothing parameter in density estimation under the Koziol-Green model, en: *L1-Statistical Procedures and Related Topics* (Y. Dodge Ed.), pp. 385-398, IMS Lecture Notes -Monograph Series 31, Hayward, California.
2. de Uña Álvarez, J. (2003) On survival analysis for diseases with stationary incidence. Proceedings to the ISI International Conference on Environmental Statistics and Health, Santiago de Compostela, July 16-18, pp. 1-9.
3. Pardo Fernández, J.C. de Uña Álvarez, J. (Eds) (2008) ISNI2008: International Seminar on Nonparametric Inference, Book of Proceedings. Vigo, 5-7 November 2008.
4. de Uña Álvarez, J. (2010) Recent developments in censored, non-Markov multi-state models. In: *Combining Soft Computing and Statistical Methods in Data Analysis* (Borgelt et al., Eds.). *Advances in Intelligent and Soft Computing*, Springer, pp. 173-179.
5. de Uña-Álvarez, J. (2012) *On the Markov Three-State Progressive Model*. In: *Recent Advances in System Reliability: Signatures, Multi-state Systems and Statistical Inference*. Eds. Anatoly Lisnianski and Ilia Frenkel. Springer: London, pp. 269-282.
6. Carvajal-Rodríguez A., de Uña-Álvarez J (2011) A simulation study on the impact of strong dependence in high-dimensional multiple-testing I: The case without effects. In: Rocha MP; Rodriguez JMC; FdezRiverola F; et al. (eds.), *5TH INTERNATIONAL CONFERENCE ON PRACTICAL APPLICATIONS OF COMPUTATIONAL BIOLOGY & BIOINFORMATICS (PACBB 2011)* Book Series: *Advances in Intelligent and Soft Computing*, Volume: 93, Pages: 241-246, Springer.
7. Castro Conde, I., de Uña-Álvarez J. (2013) Performance of Beta-Binomial SGoF multitesting method for dependent gene expression levels: a simulation study. *Proceedings of the International Conference on Bioinformatics Models, Methods and Algorithms* (Pedro Fernandes, Jordi Solé-Casals, Ana Fred and Hugo Gamboa Eds.), pages 93-97, DOI: 10.5220/0004191100930097. SciTePress.

8. Franco-Pereira A.M., de Uña J., Lillo R.E., Shaked M (2013) Decreasing percentile residual life –properties and estimation. In: *Stochastic Orders in Reliability and Risk: In honor of Professor Moshe Shaked* (Haijun Li and Xiaohu Li Eds.), Chapter 9 (pp. 183-197), Springer.
9. Azarang L, de Uña-Álvarez J (2014) The jackknife estimate of variance for transition probabilities in the non-Markov illness-death model. *Proceedings to the 21st International Conference on Computational Statistics (COMPSTAT2014)* (Gilli M, González-Rodríguez G, Nieto-Reyes A Eds.), pp. 143-150. ISBN: 978-2-8399-1347-8.
10. de Uña-Álvarez J (2017) Nonparametric estimation of an event-free survival distribution under cross-sectional sampling. In: *From Statistics to Mathematical Finance –Festschrift in honor of Winfried Stute* (Ferber D, González-Manteiga W, Schmidt T, Wang JL Eds.), pp. 57-67. Springer
11. de Uña-Álvarez, J (2018) A non-iterative estimator for interval sampling and doubly truncated data. In: *The Mathematics of the Uncertain –A Tribute to Pedro Gil* (Gil E, Gil E, Gil J, Gil MA Eds.) *Studies in Systems, Decision and Control*, vol. 142. Springer, Cham, pp. 387-400.

C. Technical reports:

1. Marron, J.S., de Uña Álvarez, J. (2001) SiZer for length-biased, censored density and hazard estimation, *Reports in Statistics and Operations Research* n° 01-04, University of Santiago de Compostela.
2. Rodríguez Casal, A., de Uña Álvarez, J. (2002). Nonlinear wavelet density estimation under the Koziol-Green model. *Reports in Statistics and Operations Research* n° 02-01, University of Santiago de Compostela.
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