

CURRICULUM VITAE

Michael Akritas

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EDUCATION: B.Sc. University of Athens, Greece 1972
M.Sc. University of Southampton, England 1974
Ph.D. University of Wisconsin, USA 1978

POSITIONS: Massachusetts Institute of Technology: Instructor (1978–79).
University of Rochester: Assistant Professor (1981–84).
The Pennsylvania State University: Associate Professor (1985–1992),
Professor (1992–); Graduate Studies Chair (1994–1998).
National Technical University of Athens: Professor (2001–2004).

VISITING POSITIONS: Massachusetts Institute of Technology: Visiting Asst. Professor (1980–81).
Texas A&M University: Visiting Assoc. Professor (1984–85).
University of Pennsylvania: Visiting Assoc. Professor (Fall, 1991).
Australian National University: Visiting Fellow (Spring, 1992).
University of Göttingen: Visiting Professor (May–June 1995; 1996).
University of Cyprus: Visiting Professor (Spring, 1999).
Australian National University: Visiting Fellow (Spring, 2006).

HONORS: Elected Fellow - Institute of Mathematical Statistics (2001).
Elected Fellow - American Statistical Association (2001).

MILITARY SERVICE: October, 1979 to July, 1980 in Greece.

RESEARCH GRANTS SINCE 1990

National Science Foundation, DMS 90-07717. Principal Investigator (with G.J. Babu and E.D. Feigelson), 1990–1992.

National Science Foundation DMS 92-08066. Principal Investigator (with G.J. Babu and E.D. Feigelson), 1992–1995.

NASA ADP. Principal Investigator (with E.D. Feigelson and L.J. Rosenberger), 1994–1996.

North Atlantic Treaty Organization CRG 950178. Principal Investigator (with Edgar Brunner and Manfred Denker), 1995–1997.

The Pennsylvania Space Grant Consortium: STIR Project. Co-Investigator with Dave Eissenstat.

National Science Foundation SBR-9709891. Principal Investigator (with S.F. Arnold and D. W. Osgood), 1997–1999.

NASA NRA-97-02-OSS-077. Principal Investigator (with E. D. Feigelson and J. L. Rosenberger), 1997–2000.

National Science Foundation SES-9986592. Principal Investigator (with D. W. Osgood), 2000–2002.

National Security Agency MDA904-02-1-0056. Conference Grant: Current Advances and Trend in Non-parametric Statistics. Principal Investigator (with D. Politis), 2002.

National Science Foundation Conference Grant: Current Advances and Trend in Nonparametric Statistics, (with D. Politis, PI), 2002.

National Science Foundation: Transforming Biological and Engineering Statistics at Penn State. Co-PI (W. Harkness, D. Hunter, J. Lane), 2002.

National Science Foundation SES-0318200. Principal Investigator (with D. W. Osgood), 2003-2006.

National Science Foundation DMS-0805598. Principal Investigator, 2008-2011.

National Science Foundation DMS-1209059. Principal Investigator, 2012-2016.

MASTERS STUDENTS

1. Sujata Rajarshi, 1987.
2. William Capra, 1988.
3. Tom Ruscitti, 1993.
4. Andy Pulkstenis, 1995.
5. Sujin Ku, 1995.
6. Yunling Du, 1997.
7. Chris Adamopoulos, 1999.
8. Efi Antoniou, 2001.
9. Francesca Callegari, 2002.
10. Esra Akdeniz, 2005.
11. Shu-Min Liao, 2005.
12. Lynn Waterhouse, 2012.
13. Eliana Christou, 2014.

Ph.D. STUDENTS (with first employment)

1. Myung Hwi Lee, 1991. Ulsan University, Korea.
2. Anne Torbeyns, 1992. Bristol-Myers Pharmaceuticals, Brussels, Belgium.
3. Michael LaValley, 1993. Harvard School of Public Health.
4. Matteo Grigoletto, 1998. University of Padua, Italy.
5. Ingrid Van Keilegom, 1998 (jointly with Noel Veraverbeke). Penn State University.
6. John O’Gorman, 1998. Eli Lilly.
7. Yunling Du, 1999. Columbia University (Biostatistics Dept.)
8. Haritini Tsangari, 2000. University of Cyprus.
9. Francesca Callegari, 2002. Bristol-Myers Squibb.
10. Lan Wang, 2003. University of Minnesota (Statistics Dept.)
11. HenSiong Tan, 2003, Minitab, Inc.
12. Haiyan Wang, 2004, Kansas State University (Statistics Dept.)
13. Efi Antoniou, 2004, Friderick Institute of Technology, Cyprus.
14. Trent Gaugler, 2008, Carnegie Mellon (Statistics Dept.)
15. Athanasios Stavropoulos, 2009, National Statistical Institute, Greece.
16. Shu-Min Liao, 2009, Amherst College (Mathematics Dept.)
17. Min-Hee Kim, 2010, Korea Institute of Intellectual Property.
18. Adriano Zambom, 2012, State University of Campinas (UNICAMP), Statistics Department.
19. Won Chul Song, 2015, Purdue University (Statistics Dept., Post Doc.).
20. Elliana Christou, 2016, North Carolina State University, Mathematics and Statistics Department.
21. Junli Lin, 2017, Penn State University.

MEMBERSHIP IN DOCTORATE DEGREE COMMITTEES

1. Wei-Min Huang, Statistics, 1982.
2. Marianthi Markatou, Statistics, 1988.
3. Joshua D. Naranjo, Statistics, 1989.
4. Debasis Kundu, Statistics, 1989.
5. Jengtung Chiang, Statistics, 1990.
6. Jeongeun Kim, Business Administration, 1991.
7. Nandini Kannan, Statistics, 1992.
8. Yong Li, Computer Science, 1992.
9. George Anderson, Statistics, 1993.
10. T. J. Vogel, Business Administration, 1993.
11. Andy Egan, Forest Resources, 1993.
12. Omer Ozturk, Statistics, 1994.
13. George Vatzias, Animal Science, 1995.
14. Matilde Sanchez, Statistics, 1997.
15. Jun Ma, Engineering, 1997.
16. Zhenmei Zhang, Social Sciences, 2003.
17. Gang (Steve) Bai, Statistics, 2005.
18. X. Markantonatos, Animal Science, 2005.
19. Yuexiao Dong, Statistics, 2008.
20. Andreas Artemiou, Statistics, 2010
21. Lucia Tabacu, Statistics, 2014.
22. Haoying Wang, Agric., Environm. & Regional Econ. & OR, 2014.
23. Eftychia Solea, Statistics, 2016.
24. Panayiotis Constantinou, Statistics, 2017.
25. Elena Hadjicosta, Statitics, 2019.
26. Mengyan Li, Statistics, in progress.
27. Ge Zhao, Statistics, in progress.

PROFESSIONAL ACTIVITIES

1. **Co-founder** and member of the Executive Committee of the International Society for Nonparametric Statistics (ISNPS). 2012 – 2018.
2. **Conferences**
 - Program Chairman: IMS Annual Meeting in San Francisco, August 1987.
 - Main Organizer: Current Advances and Trends in Nonparametric Statistics. Held in Crete, Greece, July 2002.
 - Co-Organizer: First Conference of the International Society for Nonparametric Statistics. Held in Chalkidiki, Greece, July 2012.
3. **Editorial Work**
 - Associate Editor for *Statistics & Probability Letters* (1992-2012).
 - Associate Editor for *Journal of Environmental Statistics* (1993–2007).
 - Associate Editor for *Journal of Nonparametric Statistics* (2003–2007).
 - Associate Editor for *Journal of the American Statistical Association* (2004–2006).
 - Associate Editor for *Brazilian Journal of Statistics* (2012-)
 - Guest Editor for *Sociological Methods & Research*, Special Issue on Nonparametric Statistics, Vol. 3, No. 3, Feb. 2002.
 - Guest Editor for *Journal of Nonparametric Statistics*, Vol. 16, No. 1-4, Feb.-Aug. 2004.
 - Guest Editor for *Statistics & Probability Letters*, Silver Jubilee Issue. Dedicated to Richard A. Johnson on his 70th birthday, Vol 77, No. 12, July 2007.
 - Editor, *Journal of Nonparametric Statistics* (2007–2010).
4. **Consulting**
 - Director, National Statistical Consulting Center for Astronomy, 1994 – 2001.

FREQUENTLY CITED PAPERS

1. Isobe, T., Feigelson, E.D., Akritas M.G. and Babu, G.J. (1990). Linear Regression in Astronomy I. *The Astrophysical Journal* 364, 104–113. **975 citations.**
2. Akritas, M.G., Bershad, M.A. (1996). Linear regression for astronomical data with measurement errors and intrinsic scatter. *The Astrophysical Journal* 470, 706-714. **761 citations.**
3. Akritas, M.G., Arnold, S.F. and Brunner, E. (1997). Nonparametric hypotheses and rank statistics for unbalanced factorial designs. *J. Amer. Statist. Assoc.* 92, 258-265. **236 citations.**
4. Akritas, M.G. (1990). The Rank Transform Method in Some Two-Factor Designs. *J. Amer. Statist. Assoc.* 85, 73–78. **224 citations.**
5. Akritas, M.G. (1986). Bootstrapping the Kaplan-Meier Estimator. *J. Amer. Statist. Assoc.* 81, 1032–1038. **219 citations.**
6. Akritas, M.G., Arnold, S.F. (1994). Fully Nonparametric Hypotheses for Factorial Designs I: Multivariate Repeated Measures Designs. *J. Amer. Statist. Assoc.* 89, 336-343. **219 citations.**
7. Akritas, M.G. and Van Keilegom, I. (2001). Nonparametric estimation of the residual distribution. *Scandinavian Journal of Statistics* 28, 549-567. **199 citations.**
8. Akritas, M.G. (1994). Nearest Neighbor Estimation of a Bivariate Distribution Under Random Censoring. *Ann. Statist.* 22, 1299-1327. **195 citations.**
9. Akritas, M.G., Siebert, J. (1996). A test for partial correlation with censored astronomical data. *Monthly Notices of the Royal Astronomical Society* 278, 919-924. **177 citations.**
10. Akritas, M.G. and Brunner, E. (1997). A Unified Approach To Rank Tests For Mixed Models. *J. Statist. Plan. Infer.* 61, 249-277. **140 citations.**
11. Akritas, M.G., Murphy, S.A. and LaValley, M.P. (1995). The Theil-Sen Estimator with Doubly Censored Data and Applications to Astronomy. *J. Amer. Statist. Assoc.* 90, 170-177. **121 citations.**
12. Van Keilegom, I., and Akritas, M.G. (1999). Transfer of Tail Information in censored regression models. *Annals of Statistics* 27, 1745-1784. **109 citations.**
13. Akritas, M. and Papadatos, N. (2004). Heteroscedastic One-Way ANOVA and Lack-of-Fit Tests. *J. Amer. Statist. Assoc.* 99, 368-382. **106 citations.**
14. Akritas, M.G. (1988). Pearson-Type Goodness-of-Fit Tests: The Univariate Case. *J. Amer. Statist. Assoc.* 83, 222–230. **98 citations.**
15. Akritas, M.G. (1991). Limitations of the Rank Transform Procedure: A Study of Repeated Measures Designs, Part I. *J. Amer. Statist. Assoc.* 86, 457–460. **98 citations.**
16. Akritas, M.G. and Arnold, S.F. (2000). Asymptotics for ANOVA when the number of levels is large. *J. Amer. Statist. Assoc.* 95, 212-226. **71 citations.**
17. Akritas, M.G. and Van Keilegom, I. (2003). Estimation of bivariate and marginal distributions with censored data. *Journal of the Royal Statistical Society* 65, 457-471. **51 citations.**
18. Van Keilegom, I., Akritas, M.G. and Veraverbeke, N. (2001). Estimation of the conditional distribution in regression with censored data : a comparative study. *Computational Statistics and Data Analysis* 35, 487-500. **48 citations.**
19. Akritas, M.G., Arnold, S.F. and Du, Yunling (2000). Nonparametric Models and Methods for Nonlinear Analysis of Covariance. *Biometrika* 87, 507-526. **43 citations.**

20. Akritas, M.G. and Johnson, R.A. (1982). Efficiencies of Tests and Estimators in Autoregressions under Nonnormal Error Distribution. *Ann. Inst. Statist. Math.* 34, Part A, 579–589. **39 citations.**
21. Akritas, M.G. and Johnson, R.A. (1981). Asymptotic Inference in Levy Processes of the Discontinuous Type. *Ann. Statist.* 9, 604–614. **35 citations.**
22. Akritas, M.G. (1993). Limitations of the Rank Transform Procedure: A Study of Repeated Measures Designs, Part II. *Statistics & Probability Letters* 17, 149–156. **34 citations.**
23. Akritas, M.G. (1986). Empirical Processes Associated with V-statistics and a Class of Estimators under Random Censoring. *Ann. Statist.* 14, 619–637. **33 citations.**
24. Akritas, M.G. (1996). On the use of nonparametric regression techniques for fitting parametric regression models. *Biometrics* 52, 1341-1362. **32 citations.**
25. Akritas, M.G., Ruscitti, T.F. and Patil, G.P. (1994). Statistical Analysis of Censored Environmental Data. *Handbook of Statistics, Vol. 12*, 221-242. **31 citations.**
26. Akritas, M.G. (2000). The Central Limit Theorem with Censored Data. *Bernoulli* 6, 1109-1120. **30 citations.**
27. Akritas, M.G. (1992). Rank Transform Statistics with Censored Data. *Statistics & Probability Letters* 13, 209–221, 1992. **29 citations.**
28. Wang, L. and Akritas, M.G. (2006). Two-way Heteroscedastic ANOVA when the Number of Levels is Large. *Statistica Sinica* 16, 1387-1408. **27 citations.**
29. Wang, L., Akritas, M.G. and Van Keilegom, I. (2008). An ANOVA-type nonparametric diagnostic tests for heteroscedastic regression models. *Journal of Nonparametric Statistics* 20, 365-382. **27 citations.**
30. Akritas, M.G. and Brunner, E. (1997). Nonparametric methods for factorial designs with censored data. *J. Amer. Statist. Assoc.* 92, 568-576. **27 citations.**
31. Albers, W. and Akritas, M.G. (1987). Combined rank tests for the two-sample problem with randomly censored data. *Journal of the American Statistical Association* 82, 648–655 **25 citations.**
32. Akritas, M.G., Kuha, J. and Osgood, D.W. (2002). A nonparametric approach to matched pairs with missing data. (With Discussion) *Sociological Methods & Research* 30, 425-462. **22 citations.**
33. Wang, H. and Akritas, M.G. (2004). Rank Tests for ANOVA with Large Number of Factor Levels. *J. Nonparam. Statist.* 16, 563-590. **21 citations.**
34. Tsangari, H. and Akritas, M.G. (2003). Nonparametric ANCOVA with Two and Three Covariates. *Journal of Multivariate Analysis* 88, 298-319. **19 citations.**
35. Akritas, M.G. (1982). Asymptotic Theory for Estimating the Parameters of a Levy Process. *Ann. Inst. Statist. Math.* 34, Part A, 259–280. **19 citations.**
36. Akritas, M.G. and Van Keilegom, I. (2001). Nonparametric ANCOVA methods for heteroscedastic nonparametric regression models. *J. Amer. Statist. Assoc.* 96, 220-232. **17 citations.**
37. Akritas, M.G. (2004). Nonparametric survival analysis. *Statistical Science* 19, 615-62. **17 citations.**
38. Akritas, M.G. and Roussas, G.G. (1980). Asymptotic Inference in Continuous Time Semi-Markov Processes. *Scand. J. Statist.* 70, 73–79 (1980). **17 citations.**
39. Grigoletto, M. and Akritas, M.G. (1999). Analysis of Covariance with Incomplete Data via Semi-parametric Model Transformations. *Biometrics* 55, 1177-1187. **16 citations.**

40. Wang, H., and Akritas, M.G. (2010). Inference from heteroscedastic functional data. *Journal of Nonparametric Statistics* **22**, 149 - 168. **16 citations**
41. O’Gorman, J.T. and Akritas, M.G. (2001) Nonparametric models and methods for designs with dependent censored data: Part I. *Biometrics* *57*, 88-95. **15 citations.**
42. Akritas, M.G. and Roussas, G.G. (1979). Asymptotic Expansion of the Log-likelihood Function Based on Stopping Times Defined on a Markov Process. *Ann. Inst. Statist. Math.* *31*, Part A, 103–120. **13 citations.**
43. Akritas, M.G. (1988). Rank Tests under Interval Censoring. *Ann. Statist.* *16*, 1490–1502. **13 citations.**
44. Torbeyns, A. and Akritas, M.G. (1997). Pearson-Type Goodness-of-Fit Tests for Regression. *Canadian Journal of Statistics* *25*, 359-374. **12 citations.**
45. Kim, M.H. and Akritas, M.G. (2010). Order Thresholding. *Annals of Statistics* **52**, 2314-2350. **11 citations**
46. Akritas, M.G. and LaValley, M.P. (1996). Nonparametric Inference in Factorial Designs with Censored Data. *Biometrics* *52*, 913-924. **10 citations.**

CITATIONS IN BOOKS (LAST UPDATED IN 2010)

The numbers of papers in this section refers to the numbering of the publications given in the next section.

1. Andersen, P. K., Borgan, Ø., Gill, R. D. and Keiding, N. (1993). *Statistical Models Based on Counting Processes*. Springer-Verlag. Cites papers 93, 96, 97.
2. Chernick, M.R. (1999). *Bootstrap Methods: A Practitioner's Guide*. J. Wiley & Sons. Cites paper 97.
3. Conover, W.J. (1999). *Practical Nonparametric Statistics*, 3rd edition. J. Wiley & Sons. Cites papers 91, 85.
4. Davison, A.C. and Hinkley, D.V. (1997). *Bootstrap Methods and Their Applications*. Cambridge Series in Statistical and Probabilistic Mathematics. Cites paper 97.
5. Hollander, M. and Wolfe, D. A. (1999). *Nonparametric Statistical Methods*, second edition. J. Wiley & Sons. Cites papers 93, 98.
6. Kshirsagar, A. M. and Smith, W. B. (1995). *Growth Curves*. Marcel Dekker. Cites paper 76.
7. Hettmansperger, T.P. and McKean, J.W. (1998) *Robust Nonparametric Statistical Methods*, Arnold, London. Cites papers 65, 76, 80, 85, 91.
8. Brunner, E., Domhof, S. and Langer, F. (2002). *Nonparametric Analysis of Longitudinal Data in Factorial Experiments*, Wiley and Sons, New York. Cites papers 91, 76, 65, 68, 63.
9. Davis, Charles, S. (2002). *Statistical Methods for the Analysis of Repeated Measurements*. Springer. Cites papers 76, 80, 85.
10. Helsel, Dennis (2005). *Nondetects and Data Analysis: Statistics for Censored Environmental Data*, Wiley. Cites paper 74
11. Sprent, P. and Smeets, N.C. (2007). *Applied Nonparametric Statistical Methods*, Chapman & Hall. Cites papers 76, 65.
12. Barbu, V.S. and Limnios, N. (2008). *Semi-Markov Chains and Hidden Semi-Markov Models Toward Applications: Their Use in Reliability and DNA Analysis*. Lecture Notes in Statistics 191, Springer. Cites paper 107.
13. Thas, O. (2009). *Comparing Distributions*. Springer. Cites papers 91, 76, 65.

BOOKS

1. Akritas, M.G. and Politis, D.N. (2003). *Recent Advances and Trends in Nonparametric Statistics*. Elsevier, Amsterdam.
2. Michael Akritas (2014). *Probability and Statistics with R for Engineers and Scientists*. Pearson
3. Akritas, M.G., Lahiri, S., and Politis, D.N. (2015). *Topics in Nonparametric Statistics*. Springer, NY.

RESEARCH PAPERS

1. Copula based independence criteria and tests. Under revision. With Junli Lin.
2. Universally consistent rank tests for the multivariate two-sample problem. With Junli Lin.
3. Hypothesis Testing of a constant regression function and Test-based screening. With Won Chul Song
4. Nonparametric Independence Screening via the Variance of the Regression Function. With Wonchul Song.
5. Single index quantile regression for censored data. *Stat Methods Appl*. <https://doi.org/10.1007/s10260-019-00450-4> With E. Christou. (2019).
6. Hypothesis Testing Sure Independence Screening for Nonparametric Regression. *Electronic Journal of Statistics*, DOI: 10.1214/154957804100000000. With A. Z. Zambom. 2018.
7. Variable Selection in Single Index Quantile Regression for Heteroscedastic Data. *Communications in Statistics - Theory and Methods*, DOI: 10.1080/03610926.2017.1405271 With E. Christou. 2017.
8. NonpModelCheck: An R Package for Nonparametric Lack-of-Fit Testing and Variable Selection. *Journal of Statistical Software*, vol. 77, issue 10. <http://dx.doi.org/10.18637/jss.v077.i10>. With A. Z. Zambom. 2017.
9. Asymptotic Theory for the First Projective Direction. *Annals of Statistics* **44**, 2161-2189. 2016.
10. Projection Pursuit Multi-Index (PPMI) Models. *Statistics and Probability Letters* **114**, 99-103. 2016.
11. Single Index Quantile Regression for Heteroscedastic Data. *Journal of Multivariate Analysis*, 150, 169 - 182. (<http://dx.doi.org/10.1016/j.jmva.2016.05.010>). With E. Christou. 2016.
12. Significance Testing and Group Variable Selection. *Journal of Multivariate Analysis*, Vol 133, 51-60. With Adriano Zambom. 2015.
13. Nonparametric Lack-of-Fit Testing and Consistent Variable Selection. *Statistica Sinica*, Vol 24, 1837-1858. With Adriano Zambom. 2014.
14. Two-fold Nested Designs: Their Analysis and Connection with Nonparametric ANCOVA. *Statistica Sinica*, Vol. 24, 43-62. With Shu-Min Liao. 2014.
15. Testing for Main Random Effects in Two-Way Random and Mixed Effects Models: Modifying the F Statistic. *Journal of Probability and Statistics*, Vol 2013, (<http://www.hindawi.com/journals/jps/2013/708540/>). With T. Gaugler. 2013.
16. Likelihood Ratio Type Statistics for Repeated Measures Designs with Heterogeneous Covariance Matrices. *Commun. Statist. Theory and Methods*, Vol 42(6), 1070-1086. With A. Stavropoulos and C. Caroni. 2013.

17. Mixed Effects Models: The Symmetry Assumption and Missing Data. *J. Amer. Statist. Assoc.*, Vol 107, 1230-1238. With T. Gaugler. 2012.
18. Testing for Interaction in Two-Way Random and Mixed Effects Models: The Fully Nonparametric Approach. *Biometrics*, Vol. 67, No. 4. With T. Gaugler. 2011
19. Goodness-of-Fit Testing: The Thresholding Approach. *Journal of Nonparametric Statistics*, 24, 119-138. With Min Hee Kim. 2011.
20. Asymptotically Distribution Free Tests in Heteroscedastic Unbalanced High Dimensional ANOVA. *Statistica Sinica*, 21(3), 1341-1377. With Haiyan Wang. 2011.
21. Order Thresholding. *Annals of Statistics* **38**, 2314-2350. With Min Hee Kim. 2010.
22. Rank test for heteroscedastic functional data. *Journal of Multivariate Analysis* **101**, 1791-1805. With Haiyan Wang. 2010.
23. Inference from heteroscedastic functional data. *Journal of Nonparametric Statistics* **22**, 149 - 168. With Haiyan Wang. 2010.
24. Rank Tests in Heteroscedastic Multi-Way HANOVA. *Journal of Nonparametric Statistics* **21**, 663 - 681. With Haiyan Wang. 2009.
25. Asymptotic Theory of Weighted F-Statistics Based on Ranks. *Journal of Nonparametric Statistics* **21**, 177 - 191. With A. Stavropoulos and C. Caroni. 2009.
26. ANOVA-Type Nonparametric Diagnostic Tests for Heteroscedastic Regression Models. *Journal of Nonparametric Statistics* **20**, 365-382. With Lan Wang and Ingrid Van Keilegom, 2008.
27. Homoscedastic Balanced Two-fold Nested Model when the number of sub-classes is large. In *Recent Advances In Linear Models and Related Areas*, Editors: Shalabh and C. Heumann, Springer. 2007. With Shu-Min Liao.
28. Test-Based Classification: A linkage between classification and statistical testing. *Statistics & Probability Letters* **77**, 1269-1281. With Shu-Min Liao, 2007.
29. Nonparametric Covariate Adjustment. In *Design and Analysis of Randomized Clinical Trials*, Henry Stewart Talks Series in Biomedicine and the Life Sciences. V. Berger, Ed., 2007.
30. Nonparametric Analysis of Factorial Designs With Random Missingness: Bivariate Data. *J. Amer. Statist. Assoc.* **101**, 1513-1526. With Efi Antoniou, Jouni Kuha, 2006.
31. Two-way Heteroscedastic ANOVA when the Number of Levels is Large. *Statistica Sinica* **16**, 1387-1408. With Lan Wang, 2006.
32. Testing for Covariate Effects in the Fully Nonparametric Analysis of Covariance Model. *J. Amer. Statist. Assoc.* **101**, 722-736. With Lan Wang, 2006.
33. A generalized product-limit estimator for truncated data. *J. Nonparam. Statist.* **17**, 643-663. With Michael P. LaValley, 2005.
34. Reverse windows in nonparametric regression. *Journal of Statistical Research* **39**, 77-96, 2005.
35. Rank tests for patterned alternatives in two-way non-parametric analysis of variance. *J. Statist. Plan. Infer.* **126**, 1-23. With Francesca Callegari, 2005.
36. Nonparametric survival analysis. *Statistical Science* **19**, 615-623, 2004.
37. Heteroscedastic One-Way ANOVA and Lack-of-Fit Tests. *J. Amer. Statist. Assoc.* **99**, 368-382. With Nikos Papadatos, 2004.

38. Nonparametric Models and Methods for ANCOVA with Dependent Data. *J. Nonparam. Statist.* **16**, 403-420. With Haritini Tsangari, 2004.
39. Rank Tests for ANOVA with Large Number of Factor Levels. *J. Nonparam. Statist.* **16**, 563-590. With Haiyan Wang, 2004.
40. Nonparametric survival analysis for dependent Censored Data: Part II. *J. Nonparam. Statist.* **16**, 613-622. With J. O’Gorman, 2004.
41. Analysis of Clustered Root-Survivorship Data. *J. Nonparam. Statist.* **16**, 153-170. With Yunling Du and David M. Eissenstat, 2003.
42. Nonparametric ANCOVA with Two and Three Covariates. *Journal of Multivariate Analysis* **88**, 298-319. With Haritini Tsangari, 2003.
43. Nonparametric Models for ANOVA and ANCOVA: A Review. In *Recent Advances and Trends in Nonparametric Statistics*, M.G. Akritas and D.N. Dimitris (eds), 79-92. With E. Brunner, 2003.
44. Nonparametric analysis of covariance for censored data. *Biometrika* **90**, 269-287. With Yunling Du and Ingrid Van Keilegom, 2003.
45. Estimation of bivariate and marginal distributions with censored data. *Journal of the Royal Statistical Society* **65**, 457-471. With Ingrid Van Keilegom, 2003.
46. IID representation of the conditional Kaplan-Meier process for arbitrary distributions. *Mathematical Methods in Statistics* **11**, 152-182. With Yunling Du, 2002.
47. Nonparametric models and methods. *Sociological Methods & Research* **30**, 303-308. With Wayne Osgood, 2002.
48. A nonparametric approach to matched pairs with missing data. (With Discussion) *Sociological Methods & Research* **30**, 425-462. With Jouni Kuha, and D.Wayne Osgood, 2002.
49. Analysis of teenage deviant behavior data. *Sociological Methods & Research* **30**, 309-340. With Yunling Du, Steven Arnold and D.Wayne Osgood, 2002.
50. Nonparametric estimation of the residual distribution. *Scandinavian Journal of Statistics* **28**, 549-567. With Ingrid Van Keilegom. 2001.
51. Nonparametric ANCOVA methods for heteroscedastic nonparametric regression models. *J. Amer. Statist. Assoc.* **96**, 220-232. With Ingrid Van Keilegom, 2001.
52. Nonparametric Models and Methods for Designs with Dependent Censored Data. *Biometrics* **57**, 88-95. With John O’Gorman, 2001.
53. Estimation of the conditional distribution in regression with censored data : a comparative study. *Computational Statistics and Data Analysis* **35**, 487-500. With Ingrid Van Keilegom and Noel Veraverbeke, 2001.
54. The least squares method in heteroscedastic censored regression models. Festschrift Volume in honor of George Roussas, Madan Puri (ed), 379-391. With Ingrid Van Keilegom. 2000.
55. The Central Limit Theorem with Censored Data. *Bernoulli* **6**, 1109-1120, 2000.
56. Nonparametric Models and Methods for Nonlinear Analysis of Covariance. *Biometrika* **87**, 507-526. With Steven Arnold and Yunling Du, 2000.
57. Asymptotics for ANOVA with the number of levels is large. *J. Amer. Statist. Assoc.* **95**, 212-226. With Steven Arnold, 2000.
58. Analysis of Covariance with Incomplete Data via Semiparametric Model Transformations. *Biometrics* **55**, 1177-1187. With Matteo Grigoletto, 1999.

59. Transfer of Tail Information in censored regression models. *Annals of Statistics* 27, 1745-1784. With Ingrid Van Keilegom, 1999.
60. Pearson-Type Goodness-of-Fit Tests for Regression. *Canadian Journal of Statistics* 25, 359-374. With Anne Torbeyns, 1997.
61. Astronomical (Heteroscedastic) Measurement Errors: Statistical Issues and Problems. In *Statistical Challenges in Modern Astronomy II*. Eds. E. F. Feigelson and G. J. Babu, Springer-Verlag, 1997.
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