NICKOS (NIKOLAOS) D. PAPADATOS
CURRICULUM VITAE

BIOGRAPHICAL: Born 25 May 1967 in Piraeus, Greece.Greek citizen.

ADDRESSES: Department of Mathematics, Section of Statistics and O.R., University of Athens, Panepistemiopolis 157 84, Athens, Greece. **Tel:** +30-210-727 6353, +30-210-727 6382 **Fax:** +30-210-727 6381 **E-mail:** npapadat@cc.uoa.gr **Internet:** http://www.cc.uoa.gr/~npapadat/

EDUCATION:	B.Sc.	University of Patras, Greece	1989
	M. Sc.	University of Athens, Greece	1990
	Ph.D.	University of Athens, Greece	1993

POSITIONS:	1996:	University of Athens, Greece	Special Scientist (Law 407/80)
	1997-2000:	University of Cyprus, Cyprus	Lecturer
	2000-today:	University of Athens, Greece	Assistant Professor
	January-June 2005:	University of Cyprus, Cyprus	Visitor Assistant Professor

RESEARCH GRANTS: 1996-1997 PENED (No: 1369). Coordinator Th. Cacoullos.

MASTER STUDENTS:	G. Psarrakos	2001
	E. Tzougouloglou	2002
	A. Antoniou	2004
	A. Pantelous	2005
	C. Mouratides	in progress

PhD STUDENTS:	G. Afendras	in progress

SCIENTIFIC ACTIVITIES

Member of the Greek Statistical Institute (GSI), since 1994.
Organizer of Pan-Hellenic High-School Competitions in Probability (Lefkopouleio).
Co-organizer of the Greek Conference in Analysis (Cyprus 1999).
Co-organizer of the International Conference "5th Lattice Path Combinatorics and Discrete Distributions", Athens, Greece 2002.
Session Organizer of the International Conference on "Current Advances and Trends in Nonparametric Statistics", Crete, Greece 2002.

INTERNATIONAL CONFERENCES and MEETINGS

49th Session of the International Statistical Institute, Firenze, Italy 1993.
International Conference on Recent Advances in Probability and Statistics, Athens, Greece 1999 (in honour of Professor Theofilos Cacoullos).
International Conference "Mathematics and the 21st Century", Cairo, Egypt 2000.
2nd International Conference on Mathematical Methods in Reliability (MMR 2000), Bordeaux, France 2000.
Bounds and Characterizations for Ordered Statistical Data, *Research group meeting,* Banach-Center, Warsaw, Poland 2002.
5th Lattice Path Combinatorics and Discrete Distributions, Athens, Greece 2002.

International Conference on Current Advances and Trends in Nonparametric Statistics, Crete, Greece 2002.

Characterizations and Bounds for Ordered Statistical Data, *Mini-School*, Banach-Center, Warsaw, Poland 2003.

6th Hellenic European Conference on Computer Mathematics and its Applications (HERCMA 2003), Athens, Greece 2003.

International Conference on Ordered Statistical Data: Approximations, Bounds and Characterizations, Institute of Mathematics of the Polish Academy of Science / Faculty of Mathematics and Information Science of the Warsaw University of Technology, Warsaw, Poland, 2004.

International Conference on Ordered Statistical Data: Approximations, Bounds and Characterizations, Izmir University of Economics, Izmir 2005, Turkey.

7th Hellenic European Conference on Computer Mathematics and its Applications, (HERCMA 2005), Αθήνα 2005.

LIST OF PUBLICATIONS

(a) Ph.D. Dissertation

[0] "Contribution to the Theory of Order Statistics and to the Approximation of Distributions" (in Greek), Department of Mathematics, University of Athens, Greece 1993.

(b) Refereed papers(*,**)

(*) The full text for the most of the following papers is available as .ps or .pdf file from the web page http://www.cc.uoa.gr/~npapadat/papers/

(**) For MathSciNet Reviews click here

(i) in International Journals

[1] Intermediate order statistics with applications to nonparametric estimation, Papadatos, N., *Statistics and Probability Letters* **22** (1995), 231-238.

[2] Maximum variance of order statistics, Papadatos, N., *Annals of the Institute of Statistical Mathematics* **47** (1995), 185-193.

[3] Distance in variation between two arbitrary distributions via the associated w-functions, Papadatos, N. and Papathanasiou, V., *Theory of Probability and its Applications* **40** (1995), 685-694.

[4] Distance in variation and a Fisher - type information, Papadatos N. and Papathanasiou V., *Mathematical Methods of Statistics* **4** (1995), 230-237.

[5] A generalization of variance bounds, Papadatos, N. and Papathanasiou, V., *Statistics and Probability Letters* **28** (1996), 191-194.

[6] A note on maximum variance of order statistics from symmetric populations, Papadatos, N., *Annals of the Institute of Statistical Mathematics* **49** (1997), 117-121.

[7] Exact bounds for the expectations of order statistics from non-negative populations, Papadatos, N., *Annals of the Institute of Statistical Mathematics* **49** (1997), 727-736.

[8] Variance inequalities for covariance kernels and applications to central limit theorems, Cacoullos, T., Papadatos, N. and Papathanasiou, V., *Theory of Probability and its Applications* **42** (1997), 195-201.

[9] Total variation distance and generalized covariance kernels, Papadatos, N. and Papathanasiou, V., *Mathematical Methods of Statistics* **7** (1998), 230-244.

[10] Variational inequalities for arbitrary multivariate distributions, Papadatos, N. and Papathanasiou, V., *Journal of Multivariate Analysis* **67** (1998), 154-168.

[11] Upper bound for the covariance of extreme order statistics from a sample of size three, Papadatos, N., *Sankhya Ser. A* **61** (1999), 229-240.

[12] Expectation bounds on linear estimators from dependent samples, Papadatos, N., *Journal of Statistical Planning and Inference* **93** (2001), 17-27.

[13] Distribution and expectation bounds on order statistics from possibly dependent variates, Papadatos, N., *Statistics and Probability Letters* **54** (2001), 21-31.

[14] An application of a density transform and the local limit theorem, Cacoullos, T., Papadatos, N. and Papathanasiou, V., *Theory of Probability and its Applications* **46** (2001), 803-810.

[15] The use of spacings in the estimation of a scale parameter, Balakrishnan, N. and Papadatos, N., *Statistics and Probability Letters* **57** (2002), 193-204.

[16] Poisson approximation for a sum of dependent indicators: an alternative approach, Papadatos, N. and Papathanasiou, V., *Advances in Applied Probability* 34 (2002), 609-625.

[17] Bounds on expectation of order statistics from a finite population, Balakrishnan, N., Charalambides, C. and Papadatos, N., *Journal of Statistical Planning and Inference* **113** (2003), 569-588.

[18] Multivariate covariance identities with an application to order statistics, Papadatos, N. and Papathanasiou, V., *Sankhya* **65** (2004), 307-316.

[19] Bounds on expectations of *L*-statistics from without replacement samples, Papadatos, N. and Rychlik, T., *Journal of Statistical Planning and Inference* **124** (2004), 117-136.

[20] Heteroscedastic one-way ANOVA and lack of fit tests, Akritas, M. and Papadatos, N., *Journal of the American Statistical Association* **99** (2004), 368-382.

(ii) in Volumes

[21] Three elementary proofs of the central limit theorem with applications to random sums, Cacoullos, T., Papadatos, N. and Papathanasiou, V., In: *Stochastic Processes and Related Topics* (I. Karatzas, B.S. Rajput and M.S. Taqqu, Eds.), 1998, Birkhauser, Boston, pp. 15-23.

[22] Unified variance bounds and a Stein-type identity, Papadatos, N. and Papathanasiou, V., In: *Probability and Statistical Models with Applications* (Ch. A. Charalambides, M.V. Koutras and N. Balakrishnan, Eds.), 2001, Chapman & Hall/CRC, New York, pp. 87-100.

[23] The *q*-factorial moments of discrete *q*-distributions and a characterization of the Euler distribution, Charalambides, C. and Papadatos, N. In: *Advances on Models, Characterizations and Applications* (N. Balakrishnan et al Eds.), 2004, CRC Press, Boca Raton, pp. 47-58.

[24] Characterizations of discrete distributions using the Rao-Rubin condition, Papadatos, N. *Journal of Statistical Planning and Inference* **135** (2005), 222-228.

(iii) Submitted for Publication

[25] Linear estimation of location and scale parameters using partial maxima, Papadatos, N.

[26] The discrete Mohr and Noll inequality with applications to variance bounds, Afendras, G., Papadatos, N. and Papathanasiou, V.

[27] On Rychlik's expectation bound for *L*-estimates based on identically distributed variates, Papadatos, N.

INVITATIONS

Dept. of Mathematics and Statistics, McMaster University, Ontario, Canada, June 1998.

International Conference on Recent Advances in Probability and Statistics (in honour of Professor Theofilos Cacoullos), Athens, Greece, June 1999.

Second International Conference on Mathematical Methods in Reliability (MMR 2000), Bordeaux, France, July 2000.

Dept. of Statistics, Penn. State University, PA, USA, April 2001.

"Bounds and Characterizations of Ordered Statistical Data", Research group meeting, Institute of Mathematics, Polish Academy of Sciences, Warsaw, Poland, May 2002.

"Characterizations and Bounds for Ordered Statistical Data", Mini-School, Institute of Mathematics, Polish Academy of Sciences, and Warsaw University of Technology, Warsaw, Poland, May 2003.

6th Hellenic European Conference on Computer Mathematics and its Application (HERCMA 2003), Athens, Greece, September 2003.

International Conference on "Ordered Statistical Data: Approximations, Bounds and Characterizations", Institute of Mathematics of the Polish Academy of Science, and Warsaw University of Technology, Warsaw, Poland, May 2004.

International Conference on "Ordered Statistical Data: Approximations, Bounds and Characterizations" Izmir University of Economics, Izmir, Turkey, June 2005.

7th Hellenic European Conference on Computer Mathematics and its Application (HERCMA 2005), Athens, Greece, September 2005.

REFEREE for the Journals

Journal of Multivariate Analysis
Journal of Statistical Planning and Inference
The Statistician (Journal of the Royal Statistical Society, Series D)
Annals of the Institute of Statistical Mathematics
Communications in Statistics
Statistics and Probability Letters
Bulletin of the Greek Mathematical Society
Journal of the Egyptian Mathematical Society

CITATIONS

Gajek, L and Okolewski, A. (2000), Sharp bounds on moments of generalized order statistics, *Metrika* **52**, 27-43 (Cited Article [7]).

Balakrishnan, N, Cramer, E. and Kamps, U. (2001), Bounds for means and variances of progressive type II censored order statistics, *Statistics and Probability Letters* **54**, 301-315 (Cited Article [5]).

Rychlik, T. (2001), Stability of order statistics under dependence, *Annals of the Institute of Statistical Mathematics,* **53** 877-894 (Cited Article [7]).

Mikami, T. (2004), Covariance kernel and the central limit theorem in the total variation distance, *Journal of Multivariate Analysis* **90**, 257-268 // (2001) Tech. Report #523, Hokkaido University, Preprint Series in Mathematics (Cited Article [10]).

Rychlik, T. (2001), *Projecting Statistical Functionals*, Lecture Notes in Statistics vol. 160, Spinger-Verlag, New York (Cited Articles [2], [6], [7], [11], [13], [17]).

Gajek, L. and Okolewski, A. (2001), Sharp bounds on quasiconvex moments of generalized order statistics, *Journal of Inequalities in Pure and Applied Mathematics* **2,** Article 6, Electronic (Cited Article [7]).

Borzadaran, Mohtashami G.R. (2002), Exponential families related to Chernoff-type inequalities, *Journal of the Korean Mathematical Society* **39**, 495-507 (Cited Article [22]).

Cramer, E., Kamps, U. and Rychlik, T. (2004), Unimodality of uniform generalized order statistics, with applications to mean bounds, *Annals of the Institute of Statistical Mathematics*, **56**, 183-192 (Cited Article [7]).

Kaluszka, M., Okolewski, A. and Szymanska, K. (2005), Sharp bounds for *L*-Statistics from Dependent Samples of Random Length, *Journal of Statistical Planning and Inference* **127**, 71-89 (Cited Articles [12], [13]).

Raqab, M.Z. (2004), Optimal bounds on the expectations of *k*-th record statistics and their increments // Raqab, M.Z. (2004), Bounds on the expectations of *k*-th record increments, Journal of Inequalities in Pure and Applied Mathematics, **5**(4), Article 104, Electronic (Cited Article [7]).

Hemachandra, N. and Cheriyan, V. (2002), Bounds for covariances and variances of truncated random variables, Tech. Report 02_2001, IE and OR Interdisciplinary Programme, IIT Bombay, Mumbai, 400 076, India arXiv:math.PR/0212006 v1 1 Dec 2002 http://arxiv.org/list/math/0212 (Cited Article [12]).

Klimczak, M. and Rychlik, T. (2004), Maximum variance of *k*th Records, Statistics and Probability Letters **69**, 421-430 (Cited Articles [2], [6]).

Danielak K (2004) Sharp upper bounds for expectations of differences of order statistics in various scale units, Communications in Statistics A-Theory and Methods **33,** 787-803 (Cited Article [7]).

Lopez-Blazquez, F. and Castano-Martinez, A. (2006), Upper bound for the correlation ratio of order statistics from a sample without replacement, *Journal of Statistical Planning and Inference* **136**, 43-52 (Cited Articles [17], [19]).

Kaluszka, M. and Okolewski, A. (2005), Bounds for *L*- statistics from weakly dependent samples of random length, Communications in Statistics A-Theory and Methods, **34**, 1899-1910 (Cited Article [12]).

Navarro, J., Ruiz, J.M. and Sandoval, C.J. (2005), A note on comparisons among coherent systems with dependent components using signatures, *Statistics and Probability Letters* **72**, 179-185 (Cited Article [13]).

Rychlik, T. (2004), Optimal bounds on L-statistics based on samples drawn with replacement from finite populations, *Statistics* **38,** 391-412 (Cited Article [17], [19]).

Jones M.C. (2004), Families of distributions arising from distributions of order statistics, *Test* **13** (1) 1-43 (Cited Article [1]).

Jones MC, Larsen PV (2004), Multivariate distributions with support above the diagonal, *Biometrika* **91** (4), 975-986 (Cited Article [1]).

Charalambides, Ch. A. (2005), Moments of a class of discrete *q*-distributions, *Journal of Statistical Planning and Inference,* **135** (11) 64-76 (Cited Article [23]).

Goldstein, L, Reinert, G. (2005), Zero Biasing in One and Higher Dimensions, and Applications, In: *Stein's Method and Applications* (A.D. Barbour, L.H.Y. Chen, eds.) Lecture Notes Series, Institute for Mathematical Sciences, National University of Singapore, Vol. 5 (Proceedings of the conference in honor of Charles Stein) (Cited Article [22]).

Wang, H., and Akritas, M.G. (2004), Rank tests for Anova with large number of factor levels, *Nonparametric Statistics* **16** (3-4), 563-589 (Cited Article [20]).

Wang, L., and Zhou, X. (2005), A fully nonparametric test for homogeneity of variances, *The Canadian Journal of Statistics,* in press (Cited Article [20]).

David, H.A. and Nagaraja, H.N. (2003), *Order Statistics,* Wiley, 3rd ed. (Cited Articles [1], [2], [6], [7], [12], [13] , [15]).

Bathke, A. (2004), The ANOVA *F* test can still be used in some balanced designs with unequal variances and nonnormal data *Journal of Statistical Planning and Inference* **126**(2), 413-422 (Cited Article [20]).

López-Blazquez, F., Salamanca Miño, B. (2006), Bounds for the expected value of records from discrete distributions, *Journal of Statistical Planning and Inference* **136**(2), 467-474 (Cited Article [17]).

Navarro, J., Rychlik, T. (2006). Reliability and expectation bounds for coherent systems with exchangeable components, *Journal of Multivariate Analysis,* in press (Cited Article [13]).

Navarro, J., Ruiz, J.M., Sandoval, C.J. (2006), Modelling coherent systems under dependence, submitted for publication (Cited Article [13]).