Curriculum Vitae

Name: Jiajuan Liang
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Education:

9/1980--7/1984:	University student, Department of Mathematics, Nankai University, P. R. China Major: mathematics Degree obtained: Bachelor of Science
9/1984--12/1987:	Graduate student, Department of Mathematics, Nankai University, P. R. China Major: multivariate statistics Degree obtained: Master of Science
8/1995--7/1998:	Ph.D. student, Department of Mathematics Hong Kong Baptist University Major: multivariate statistics
10/1998--8/2001	Research Fellow & Lecturer Statistics & Drug Abuse Research Center, Departments of Psychology and Statistics, University of California, Los Angeles

9/2001—8/2007	Assistant Professor, University of New Haven
9/2007---	Associate Professor, University of New Haven

Awards obtained:

1) *Mr. Daniel Kuo Kwok Chuen Postgraduate Scholarship* in the academic year 1996-97 in Hong Kong Baptist University;
2) Summer Faculty Fellowship Awards (Summer Research Grants) for the academic years 2002-2010 at the University of New Haven;
3) Botwinik Travel Award for the academic year 2002-2003 at the University of New Haven;
4) Summer Research Fund Award for the academic year 2003/2004, 05/06, 07/08 at the University of New Haven.
5) University of New Haven 2007 Excellence in Research/Creative Activity Award.
6) *Award of University Research Scholar* at the University of New Haven for three years 2010-2013

Grant:

Co-investigator for Hong Kong Baptist University Faculty Research Grant FRG/07-08/II-35 "Some dimension-reduction techniques for small-sample multivariate analysis" in the amount of HK$84,000. Principal Investigator: Dr. Man-Lai Tang, Associate Professor, Department of Mathematics, Hong Kong Baptist University, Hong Kong.

Ph.D. in Statistics : June 1998

Teaching Experience:

- Assistant Professor (1/1988--6/1994). Department of Statistics, Tianjin University of Finance and Economics, China. Teaching courses: 1) *Introduction to Probability and Statistics*; 2) *Statistical Principle for Business and Economics*; 3) *Regression and Linear Models*; 4) *Multivariate Statistical Analysis;* 5) *Advanced Mathematics*.
- Lecturer (4--6/1999). Department of Statistics, University of California, Los Angeles. Teaching course: *Statistics 110B, Data Analysis: from elementary to intermediate,* for undergraduates;
- Lecturer (4--6/2000). Department of Statistics, University of California, Los Angeles. Teaching courses: 1) *Statistics 100C, The Theory of Linear Models*, for undergraduates; 2) *Statistics 10, Statistical Reasoning*, for undergraduates;
- Lecturer (10--12/2000). Department of Statistics, University of California, Los Angeles. Teaching courses: 1) *Statistics M11, Introduction to Statistical Methods for Business and Economics*; for undergraduates; 2) *Statistics 110A, Applied Statistics*, for undergraduates;
- Lecturer (4--6/2001). Department of Statistics, University of California, Los Angeles. Teaching course: *Statistics 110A, Applied Statistics*, for undergraduates;
- Assistant Professor (9/2001—8/2007), Department of Quantitative Analysis, School of Business, University of New Haven, Connecticut. Teaching courses: 1) Probability and Statistics for business majors (for undergraduates); 2) Business Mathematics (for undergraduates); 3) Statistics for Managers (for MBA students); and 4) Operations Management (for MBA students).
- Associate Professor (9/2007--), Department of Management, College of Business, University of New Haven, Connecticut. Teaching courses: 1) Probability and Statistics for business majors (for undergraduates); 2) Business Mathematics (for undergraduates); 3) Statistics for Managers (for MBA students).

Experience in Statistical Consulting:

I was the principal consultant for the following consulting project (October 2000) in the Consulting Center at UCLA Statistics Department:
Title: *Structural Equation Models Evaluation*
Description: Evaluate a grant proposal that proposes using structural equation models.
Contact: Dr. Ann Wuerker, UCLA School of Nursing
Funds: School of Nursing Intramural grant, 405230/6G/09549.
Financial Contact: Audrey Williams. Tel: (310) 825-7476.

Invited Referee for Peer-reviewed Statistical Journals:

- Referee (12/1998) to the manuscript "Maximum likelihood estimation of latent interaction effects with the LMS method" (#PM98-647F, *Psychometrika*);
- Referee (9/1999) to the manuscript "Convergence of factor predictors in factor analysis" (#JMVA99-0108, *Journal of Multivariate Analysis*);
- Referee (9/1999) to the manuscript "Detection of pairwise correlations in a multivariate structure" (paper No. 99062301, *Biometrical Journal*);
- Referee (2/2000) to the manuscript "Heterogenous factor analysis models: A Bayesian approach observations" (#PM00-0790, *Psychometrika*);
- Referee (4/2000) to the manuscript "Spherical tests in balanced multivariate mixed models" (*Biometrical Journal*);
- Referee (5/2000) to the manuscript "Large sample test for the equality of two correlated variances" (#00-2015, *Computational Statistics and Data Analysis*);
- Referee (6/2000) to the manuscript "The actual size of the chi-square and the likelihood ratio test of independence in a contingency table" (#00-2022, *Computational Statistics and Data Analysis*);
- Referee (2/2001) to the manuscript "A unified Bayesian treatment for incomplete categorical data with applications to non-response, contingency table and misclassification" (#00-159, *Statistica Sinica*);
- Referee (12/2001) to the manuscript "Generalized multilevel structural equation modeling" (#2001-938, *Psychometrika*);
- Referee (8/2002) to the manuscript "Eight test statistics for multilevel structural equation models" (#CSDA02139e, *Computational Statistics and Data Analysis*);
- Referee (9/2002) to the manuscript "The Kotz-type distribution (#JMVA2002-0030, *Journal of Multivariate Analysis*);
- Referee (11/2002) to the manuscript "Testing for affine equivalence of elliptically symmetric distributions (#JMVA2002-0028, *Journal of Multivariate Analysis*);
- Referee (12/2002) to the manuscript "An application of multilevel model prediction to NELS:88" (#BHMK02-11, *Behaviormetrika*);
- Referee (6/2003) to the manuscript "Non-central quadratic forms of the skew elliptical variables" (#JMVA127, *Journal of Multivariate Analysis*);
- Referee (9/2003) to the manuscript "Asymptotic robustness of the normal theory likelihood ratio statistic for two-level covariance structure models" (#JMVA194, *Journal of Multivariate Analysis*);
- Referee (2/2004) to the manuscript "On a combination method of VDR and patchwork for generating uniform random points on a unit sphere" (#JMVA138, *Journal of Multivariate Analysis*);

- Referee (9/2004) to the manuscript "On the ratio x/y for some elliptically symmetric distributions" (#JMVA-04-59, *Journal of Multivariate Analysis*);
- Referee (9/2004) to the manuscript "Sequences of elliptical distributions and mixtures of normal distributions" (#JMVA-04-69, *Journal of Multivariate Analysis*);
- Referee (12/2004) to the manuscript "Sums and ratios for some bivariate Pareto distributions" (#JMVA-04-129, *Journal of Multivariate Analysis*);
- Referee (2/2005) to the manuscript "Modeling Directional dispersion through hyperspherical log-splines" (#B6054, *Journal of the Royal Statistical Society* (Series B));
- Referee (2/2005) to the manuscript "Factor analyses for non-normal variables by fitting characteristic functions" (#PM04-1268, *Psychometrika*);
- Referee (2/2005) to the manuscript "On testing for the nullity of some skewness coefficients" (#ISR/04-45, *International Statistical Review*);
- Referee (3/2005) to the manuscript "Tests for multivariate normality based on the characteristic function" (#JMVA-05-4, *Journal of Multivariate Analysis*);
- Referee (9/2005) to the manuscript "On the regular variation of elliptical random vectors" (#4993, *Statistics and Probability Letters*);
- Referee (1/2006) to the manuscript "Influence of averaging observations on ellipsoidal confidence region in bivariate normal samples" (#JMVA-06-9, *Journal of Multivariate Analysis*);
- Referee (8/2006) to the manuscript "Students' achievements in a statistics course in relation to motivational aspects and study behaviour" (#SERJ_MS_06-011, *Statistics Education Research Journal*);
- Referee (10/2006) to the manuscript "On Mardia's and Song's measures of kurtosis in elliptical distributions" (#JMVA-06-211, *Journal of Multivariate Analysis*);
- Referee (3/2007) to the manuscript "Inferences on a common correlation coefficient" (#SIM-06-0697, *Statistics in Medicine*);
- Referee (8/2007) to the manuscript "Distribution of the Λ-criterion for sphericity test and its connection to a generalized Dirichlet model" (#LSSP-2007-0039, *Communications in Statistics –Simulation and Computation*);
- Referee (10/2007) to the manuscript "Testing normality for longitudinal studies with missing data" (#BIMJ.200709261, *Biometrical Journal*);
- Referee (12/2007) to the manuscript "Influence angle cluster approach for high dimensional data sets" (#LSTA-2007-0517, *Communications in Statistics –Theory and Methods*);
- Referee (1/2008) to the manuscript "Correction of bias in imputing missing values of categorical variables" (#LSTA-2008-0015, *Communications in Statistics –Theory and Methods*);

- Referee (3/2008) to the manuscript “A new formulation of the Hinich’s bispectral test for linearity based on a novel Q-Q plot for testing distributional hypotheses” (#JSPI-D-08-00037, *Journal of Statistical Planning and Inference*);
- Referee (5/2008) to the manuscript “Checking for normality in linear mixed models” (#JMVA-08-159, *Journal of Multivariate Analysis*);
- Referee (7/2008) to the manuscript “Testing sphericity using small samples” (GSTA-2008-0013, *Statistics*);
- Referee (12/2008) to the manuscript “Correction of bias in imputing missing values of categorical variables” (#LSTA-2008-0574, *Communications in Statistics –Theory and Methods*);
- Referee (5/2009) to the manuscript “Goodness-of-fit tests for location-scale families based on random distance” (#CSDA_D_09_00494, *Computational Statistics & Data Analysis*);
- Referee (11/2009) to the manuscript “A dimensionally reduced finite mixture model for multilevel data” (#JMVA-09-190, *Journal of Multivariate Analysis*)
- Referee (7/2010) to the manuscript “Testing for bivariate spherical symmetry” (SEIO-D-10-00080, *TEST*)
- Referee (12/2010) to the manuscript “On an optimal quantization of the support of a continuous multivariate distribution, using a criterion based on mutual information” (LSTA-2010-0701, *Communications in Statistics –Theory and Methods*)
- Referee (1/2011) to the manuscript "A conditional distribution approach to sampling uniformly distributed points on spheres and balls in L_p spaces" (Manuscript No. BO-10-12-20, *Metrika*)
- Referee (2/2011) to the manuscript " On a scale-scale plot for comparing multivariate distributions" (Manuscript ID: JRSS-OA-SB-Jan-11-0015, *Journal of the Royal Statistical Society, Series B*)

Invited Talks:

- Title “*Multilevel Structural Equation Modeling*”, March 9-10, 2000, at Department of Statistics, University of Newcastle, Newcastle upon Tyne, the United Kingdom;
- Title “*Multilevel Structural Equation Modeling*”, March 20-23, 2000, at Department of Mathematics and Statistics, University of Limerick, Limerick, Ireland;
- Title “*Multilevel Structural Equation Modeling*”, May 4-5, 2000, at Department of Statistics, University College Dublin, Dublin, Ireland;
- Title “*EM Algorithms for Clustered Data Analysis*”, November 20-26, 2000, at the Institute of Psychiatry, University of London, London, the United Kingdom;

- "*EM Algorithms for Clustered Data Analysis*", February 16, 2001, at the Department of Statistics, University of California, Los Angeles;
- "*An EM Algorithm for Two-Level Latent Variable Models*", August 20, 2004, at the Department of Mathematics, Hong Kong Baptist University;
- Title "*A Graphical Dimension-reduction Technique for Testing Normal Goodness-of-fit for Multivariate Data*", June 19, 2007, at the Department of Statistics, Peking University, China.
- Title "*Generalized F-tests for the Multivariate Normal Mean*", June 22, 2008, at the Department of Statistics, Central China Normal University, China.
- Title "*Generalized F-tests for the Multivariate Normal Mean*", July 2, 2008, at the Department of Mathematics, Shanghai Normal University, China.
- Title "*Probability Plots and Their Applications in Goodness-of-fit*", June 15, 2009, at the Department of Mathematics and Statistics, Central China Normal University, Wuhan, China.
- Title "*A stochastic Representation for the L_p-Norm Symmetric Distribution and Its Applications*" , June 20, 2010, at School of Mathematics, Nankai University, Tianjin, China.

Refereed Publications:

[1] Kai-Tai Fang and Jiajuan Liang (1989). Inequalities for the partial sums of elliptical order statistics related to genetic selection. *The Canadian Journal of Statistics*, **17**, No. 4, 439-446.

[2] Zhen-Hai Yang, Kai-Tai Fang and Jiajuan Liang (1996). A characterization of multivariate normal distribution and its application. *Statistics & Probability Letters*, **30**, 347-352.

[3] Samuel Kotz, Kai-Tai Fang and Jiajuan Liang (1997). On multivariate vertical density representation and its application to random number generation. *Statistics*, **30**, 163-180.

[4] Jiajuan Liang and Peter M. Bentler (1998). Characterizations of some subclasses of spherical distributions. *Statistics & Probability Letters*, **40**, 155-164.

[5] Kai-Tai Fang, Runze Li and Jiajuan Liang (1998). A multivariate version of Ghosh *T3*-plot to detect non-multinormality. *Computational Statistics & Data Analysis*, **28,** 371-386**.**

[6] Kai-Tai Fang and Jiajuan Liang (1999). Testing spherical and elliptical symmetry. In: S. Kotz, C.B. Read and D.L. Banks (eds.), *Encyclopedia of Statistical Sciences* (Update). John Wiley & Sons, Inc., New York, Vol. **3**, 686-691.

[7] Jiajuan Liang and Peter M. Bentler (1999). A *t*-distribution plot to detect non-multinormality. *Computational Statistics & Data Analysis*, **30,** 31-44**.**

[8] Jiajuan Liang, Runze Li, Hongbin Fang and Kai-Tai Fang (2000). Testing multinormality based on low-dimensional projection. *Journal of Statistical Planning and Inference*, **86**, 129-141.

[9] Jiajuan Liang and Kai-Tai Fang (2000). Some applications of Läuter's technique in tests for spherical symmetry. *Biometrical Journal*, **42** (8), 923-936.

[10] Jiajuan Liang, Kai-Tai Fang, Fred J. Hickernell and Runze Li (2001). Testing multivariate uniformity and its applications. *Mathematics of Computation*, **70**, 337-355.

[11] Peter M. Bentler and Jiajuan Liang (2003). Two-level mean and covariance structures: maximum likelihood via an EM algorithm. In: S. Reise & N. Duan (Eds.), *Multilevel Modeling*: *Methodological Advances, Issues, and Applications* (pp. 53-70). Mahwah, NJ: Lawrence Erlbaum Associates.

[12] Peter M. Bentler and Jiajuan Liang (2003). Simultaneous mean and covariance structure analysis for two-level structural equation models on EQS. In: H. Yanai, A. Okada, K. Shigemasu, Y. Kano, & J. J. Meulman (Eds.), *New Developments in Psychometrics* (pp. 123-132). Springer-Verlag, Tokyo, Japan.

[13] Jiajuan Liang and Peter M. Bentler (2004). A new EM algorithm for fitting two-level structural equation models. *Psychometrika*, **69** (No. 1), 101-122.

[14] Jiajuan Liang, William S. Y. Pan, and Zhen-Hai Yang (2004). Characterization-Based Q-Q Plots for Testing Multinormality. *Statistics & Probability Letters*, **70** (No. 3), 183-190.

[15] Jiajuan Liang, Pawel Mensz, and Zhen-Hai Yang (2005). Two Uniform Tests for Detecting Non-multinormality. *Chinese Journal of Applied Probability and Statistics*, Vol. **21**, 268-277.

[16] Peter M. Bentler, Jiajuan Liang, and Ke-Hai Yuan (2005). Some Recent Advances in Two-level Structural Equation Models: Estimation, Testing and Robustness. In: Jianqing Fan and Gang Li (Eds.), *Contemporary Multivariate Analysis and Experimental Design*. Pages 211-232. World Scientific Publisher.

[17] Jiajuan Liang and William S. Y. Pan (2006). Testing the mean for business data: should one use the z-test, t-test, F-test, the chi-square test, or the p-value method? *Journal of College Teaching & Learning*, Volume **3** (No. 7), 79-87.

[18] William S. Y. Pan, Kamal Upadhyaya, and Jiajuan Liang (2006). Impact of China's Yuan Revaluation. *International Business & Economics Research Journal*, Volume **5** (No. 11), 67-71.

[19] Linda Martin and Jiajuan Liang (2007). Likert scale data: A suggested improvement in statistical testing. *Academy of Taiwan Business Management Review*, Vol. **3** (No. 1), 24-30.

[20] Kai-Tai Fang, Jiajuan Liang, Fred J. Hickernell, and Runze Li (2007). A stabilized uniform Q-Q plot to detect non-multinormality. In: Agnes Chao Hsiung, Zhiliang Ying, and Cun-Hui Zhang (Eds.), *Random Walk, Sequential Analysis and Related Topics*. World Scientific, New Jersey, pp. 254-268.

[21] Jiajuan Liang, Pawel Mensz, and Wentworth Boynton (2007). Testing mean for business data: A nontraditional approach. *Academy of Taiwan Business Management Review*, Vol. **3** (No. 2), 126-134.

[22] Jiajuan Liang and William S. Y. Pan (2007). ANOVA for business data: What can you do if the statistical conditions are not satisfied? *The Journal of Global Business Issues*, Vol. **1** (Issue 2), 205-215.

[23] Jiajuan Liang and Kai Wang Ng (2008). A method for generating uniformly scattered points on the *Lp*-norm unit sphere and its applications. *Metrika*. **68**, 83-98.

[24] Jiajuan Liang, Kai-Tai Fang, and Fred. J. Hickernell (2008). Some necessary uniform tests for spherical symmetry. *The Annals of the Institute of Statistical Mathematics*, **60**, 679-696.

[25] Jiajuan Liang and Linda Martin (2008). Testing the mean for dependent business data. *Journal of Hospital Marketing & Public Relations*, **18** (No. 2), 149-165.

[26] Peter M. Bentler and Jiajuan Liang (2008). A unified approach to two-level structural equation models and linear mixed effects models. In: Dunson, D. (Editor), *Random Effect and Latent Variable Model Selection* (Lecture Notes in Statistics), pp. 95-119. Springer-Verlag, New York.

[27] Jiajuan Liang and Linda Martin (2008). An Excel-aided method for teaching calculus-based business mathematics. *College Teaching Methods & Styles Journal*, Vol. 4 (No. 11), 11-23.

[28] Pawel Mensz, Kamal P. Upadhyaya, and Jiajuan Liang (2008). Modeling lean operations and allocation of inventory buffers in discrete manufacturing. *Academy of Taiwan Business Management Review*, Vol. **4** (No. 3), 147-154.

[29] Jiajuan Liang and Man-Lai Tang (2009). Generalized F-tests for the multivariate normal mean. *Computational Statistics & Data Analysis*, **57**, 1177-1190.

[30] Jiajuan Liang and Kai Wang Ng (2009). A multivariate normal plot to detect non-normality. *Journal of Computational and Graphical Statistics*, **18** (No. 1), 52-72.

[31] Jiajuan Liang, Man-Lai Tang, and and Ping Shing Chan (2009). A generalized Shapiro-Wilk W Statistic for testing high-dimensional normality. *Computational Statistics & Data Analysis*, **53**, 3883-3891.

[32] Jiajuan Liang and William S. Y. Pan (2009). A MATLAB-aided method for teaching calculus-based business mathematics. *American Journal of Business Education*, **2** (No. 9), 15-40.

[33] Peter M. Bentler, Jiajuan Liang, Man-Lai Tang, Ke-Hai Yuan (2011). Constrained maximum likelihood estimation for two-level mean and covariance structure models. *Educational and Psychological Measurement*. **71** (No. 2), 325-345.

Conference Presentations:

[1] Hongbin Fang, Kai-Tai Fang, Runze Li and Jiajuan Liang (1997). New non-central *t*- and *F*-distributions for high-dimensional mean test. Meeting presentation in: *1997 International Symposium on Multivariate Analysis and Its Applications* held in Hong Kong Baptist University, May 19-22, 1997.

[2] Jiajuan Liang and Peter M. Bentler (2000). Constrained maximum likelihood analysis of general two-level structural equation models via EM type algorithms. Meeting presentation in: The *2000 Annual Meeting of the Psychometric Society*, held in University of British Columbia, Vancouver, Canada, July 6-8, 2000.

[3] Peter M. Bentler and Jiajuan Liang (2000). General two-level mean and covariance structural equation models: maximum likelihood via EM type algorithms. Meeting presentation in: *the Fifth International Conference on Logic and Methodology* (October 3-6, 2000). University of Cologne, Germany.

[4] Jiajuan Liang and William S. Pan (2003). Characterization-based Q-Q plots for testing multinormality. Meeting presentation in: The 2003 Hawaii International Conference on Statistics and Related Fields June 5-8 (2003). Honolulu, Hawaii.

[5] Jiajuan Liang and Peter M. Bentler (2003). Heterogeneous mean and covariance structure analysis for two-level latent variable models. Meeting presentation in: *The 2003 Joint Statistical Meeting* in San Francisco. August 3-7 (2003). San Francisco, CA.

[6] Jiajuan Liang and Peter M. Bentler (2004). A Unified Approach to Studying Two-Level Structural Equation Models and Linear Mixed Effects Models. Meeting presentation in: *The 2004 Joint Statistical Meeting* in Toronto, Canada. August 8-11 (2004).

[7] Jiajuan Liang, Kai-Tai Fang, Fred J. Hickernell, and Runze Li (2005). T_3-plot for testing high-dimensional spherical symmetry with low sample size data. Presentation in: *The International Conference on Statistics* in honor of Professor Kai-Tai Fang for his 65th Birthday, 6/20-24, 2005, Hong Kong, China.

[8] Peter M. Bentler and Jiajuan Liang (2005). Testing multinormality in two-level structural equation models. Plenary talk given by Dr. Peter M. Bentler in: *The International Conference on Statistics* in honor of Professor Kai-Tai Fang for his 65th Birthday, 6/20-24, 2005, Hong Kong, China.

[9] Jiajuan Liang and William S. Y. Pan (2005). Testing the mean for business data: using the t-test, z-test, F-test or the chi-square test? Presentation given by Dr. William Pan in: *The International Business & Economics Research and College Teaching & Learning Conference*, 10/3-7, 2005, Las Vegas, Nevada.

[10] William S. Y. Pan, Kamal Upadhyaya and Jiajuan Liang. (2005). Impact of China's Yuan revaluation. Presentation given by Dr. William Pan in: *The International Business & Economics Research and College Teaching & Learning Conference*, 10/3-7, 2005, Las Vegas, Nevada.

[11] Jiajuan Liang and Kai Wang Ng. A method for generating uniformly scattered points on the L_p-norm unit sphere and its applications (published online, July 13, 2007, *Metrika*, forthcoming). Paper presented in *International Conference on Statistics and Its Applications*, July 9-13, 2006, Tianjin, China.

[12] Jiajuan Liang and Peter M. Bentler. A dimension-reduction method for detecting non-multinormality in two-level structural equation models. Paper presented in the *International Meeting of Psychometric Society* (IMPS), July 9-13, 2007 Tokyo, Japan.

[13] Jiajuan Liang and Man-Lai Tang. Generalized F-tests for the multivariate normal mean. Paper presented in *The First International Symposium on Biopharmaceutical Statistics*, June 30─July 2, 2008, Shanghai, China.

[14] Jiajuan Liang, Wentworth Boynton, and Man-Lai Tang. Multivariate asset pricing tests: Insights from spherical distribution theory. Paper presented in the *IMS-China International Conference on Statistics and Probability*, July 3-6, 2009, Weihai, China.

[15] Jiajuan Liang (2010a). A stochastic representation for the L_p-norm symmetric distribution and its applications. *The 19th International Workshop on Matrices and Statistics*, June 5-8, 2010, Shanghai, China.

[16] Jiajuan Liang (2010b). An approach to generating a class of generalized symmetric multivariate distributions based on stochastic representation. *The 2010 Joint Statistical Meeting*, July 31-August 3, 2010, Vancouver, Canada.

[17] Jiajuan Liang (2010c). Multivariate asset pricing tests: A generalized F-approach. *The 2010 Annual Conference of the Academy of International Business*. Quinnipiac University, Connecticut, Sept. 30-Oct. 2, 2010.

[18] Jiajuan Liang (2011). A class of exact F-tests for capital asset pricing models. *The 2011 Joint Statistical Meeting*, 7/30-8/4, 2011, Miami Beach, Florida.

Manuscripts under Review :

[1] Mingya Ai, Jiajuan Liang, and Man-Lai Tang (2012). A generalized T_3-plot for testing high-dimensional normality. *Journal of Statistical Computation and Simulation* (Under revision)

[2] Jiajuan Liang, Kai Wang Ng, and Guoliang Tian (2012). A class of uniform tests for goodness-of-fit of the multivariate L_p-norm spherical distributions and the l_p-norm symmetric distributions. *The Annals of the Institute of Statistical Mathematics* (Under review)

[3] Jiajuan Liang, Kai Wang Ng, and Guoliang Tian (2012). A stochastic representation for the l_p-norm symmetric distribution and its applications. *Statistics & Probability Letters* (Under review)

[4] Jiajuan Liang, Peter M. Bentler, and Man-Lai Tang (2012). A dimension-reduction method for detecting non-multinormality in two-level structural equation models. *Structural Equation Modeling* (Under review).