

Conference Program

2007 Nonparametric Statistics Conference
“Current and Future Trends in Nonparametrics”
University of South Carolina, Columbia, South Carolina
October 10–12, 2007

Organized by the Department of Statistics Academic Enrichment and Conferences of the University of South Carolina, and in conjunction with the Section of Nonparametric Statistics of the American Statistical Association (ASA) and the National Institutes of Statistical Sciences (NISS)

Partial funding provided by the
National Science Foundation

Welcome to the 2007 Nonparametrics Conference

On behalf of the faculty, staff, and students of the Department of Statistics of the University of South Carolina, Columbia, we, the organizers of the 2007 Nonparametric Conference, would like to welcome all the participants of this conference to the University of South Carolina, the City of Columbia, and South Carolina. We appreciate your participating in this conference and we hope that this will be a productive venue for all participants to further research and to learn current and future trends in nonparametric, including semiparametric, statistics.

We would like to thank the Program Committee and Session Organizers for helping in the organizing of the technical sessions. The participation of all the plenary speakers, invited speakers, banquet speakers, poster presenters, and all the other participants are very much appreciated.

We also acknowledge the support provided by the National Science Foundation which enabled us to provide partial support to graduate student participants and to junior colleagues and researchers. We also thank the Academic Enrichment and Conferences of the University of South Carolina, in particular, Ms. Kate Shelton, for their help in organizing this conference. Special thanks also go to Ms. Tina Ormenisan of the Department of Statistics.

Enjoy the conference, and please feel free to approach any of us if there is anything else that we could do to make this a successful conference.

The Organizers,
E. Peña, D. Edwards, D. Hitchcock, X. Huang, J. Tebbs

Local Organizing Committee

- **Edsel A. Peña**, Committee Chair, Department of Statistics, University of South Carolina.
- **Don Edwards**, Chair of Department of Statistics, University of South Carolina.
- **David Hitchcock**, Department of Statistics, University of South Carolina.
- **Xianzheng (Shan) Huang**, Department of Statistics, University of South Carolina.
- **Joshua Tebbs**, Department of Statistics, University of South Carolina.
- **Kate Shelton**, Academic Enrichment and Conferences, University of South Carolina.
- **Tina Ormenisan**, Department of Statistics, University of South Carolina.

Technical Session Organizers Conference Program Committee

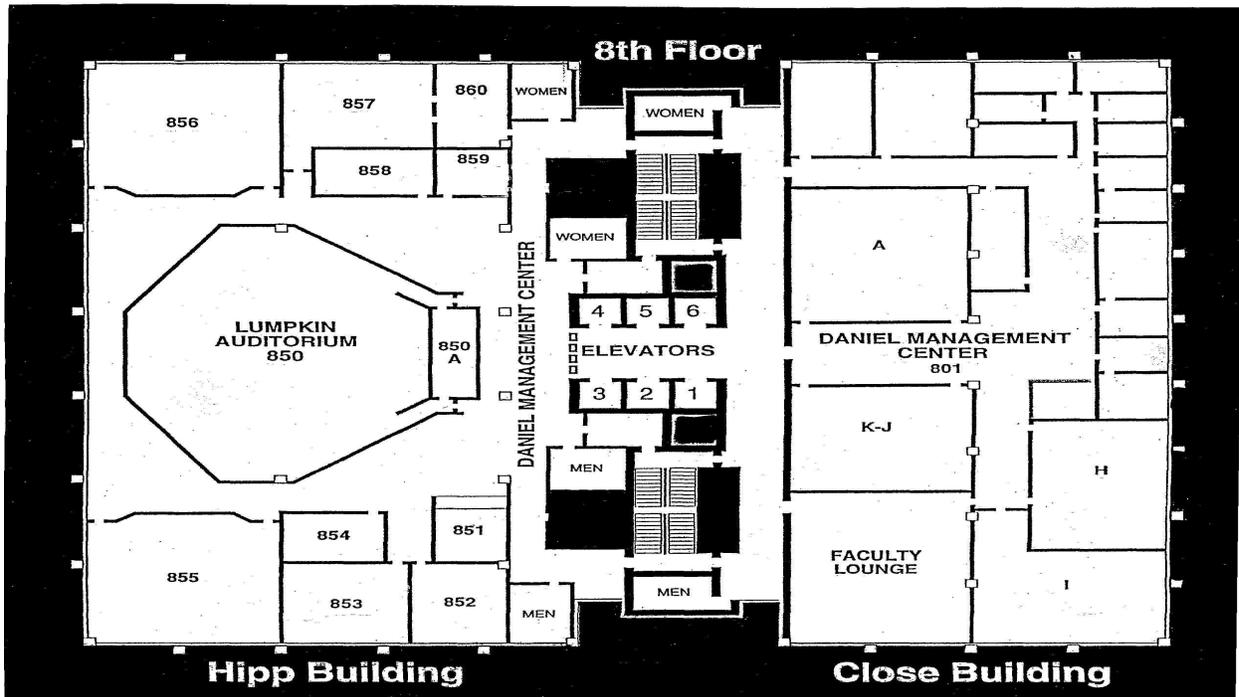
- **Joseph Gastwirth**, The George Washington University.
- **Malay Ghosh**, University of Florida.
- **Nancy Glenn**, formerly of the University of South Carolina.
- **David Hitchcock**, University of South Carolina.
- **Zhezhen Jin**, Columbia University.
- **Paul Kvam**, Georgia Institute of Technology.
- **Bani Mallick**, Texas A & M University.
- **Victor Patrangenaru**, Florida State University.
- **Ron Randles**, University of Florida.
- **Mervyn Silvapulle**, Monash University (Australia).
- **Joshua Tebbs**, University of South Carolina.
- **Donglin Zeng**, University of North Carolina.
- **Helen (Hao) Zhang**, North Carolina State University.
- **Local Organizing Committee (Peña, Edwards, Huang)**, University of South Carolina.

Conference Schedule

Location of Conference Technical Sessions: All the conference technical sessions will be held in the **Daniel Management Center (DMC) at the 8th Floor of the Moore School of Business (Close-Hipp) Building**, University of South Carolina campus. The meetings rooms are (please refer to floor plan diagram in Figure 1):

- **Lecture Room 1:** DMC Lumpkin Auditorium, Room 850
- **Lecture Room 2:** DMC Room 855
- **Lecture Room 3:** DMC Room 856
- **Lecture Room 4:** DMC Room K-J

Figure 1: Daniel Management Center Floor Plan



Wednesday
October 10

5:30–9:00PM, October 10, Wednesday
Registration (5:30-7:30)
Opening Mixer (7:00-9:00)
Location: Palmetto Room, Inn at USC

Thursday
October 11

7:00AM–6:00PM, October 11, Thursday
Registration
DMC Registration Desk

7:00AM–8:30AM, October 11, Thursday
Continental Breakfast
near DMC Registration Desk

<i>Session Number</i>	01
<i>Session Title</i>	Welcome Session
<i>Time and Day</i>	8:30–8:45AM, October 11, Thursday
<i>Place</i>	Lecture Room 1 (Lumpkin Auditorium)
<i>Session Organizer</i>	Organizing Committee
<i>Session Chair</i>	Don Edwards, University of South Carolina

8:30–8:35

Mary Ann Fitzpatrick, Dean, College of Arts and Sciences, University of South Carolina.

8:35–8:40

Ronald Randles, University of Florida and Chair of ASA Nonparametrics Section.

8:40–8:45

Don Edwards, Chair, Department of Statistics, University of South Carolina.

<i>Session Number</i>	02 (Plenary Session I)
<i>Session Title</i>	Nonparametrics: Perspectives and the Task Ahead
<i>Time and Day</i>	8:45–9:45AM, October 11, Thursday
<i>Place</i>	Lecture Room 1 (Lumpkin Auditorium)
<i>Session Organizer</i>	Organizing Committee
<i>Session Chair</i>	Don Edwards, University of South Carolina

8:45–9:35

Pranab Kumar Sen, University of North Carolina, Chapel Hill.

Title: *Nonparametrics: Perspectives and Prospectives*

9:35–9:45

Question and Answer Portion.

9:45–10:00
Coffee Break

<i>Session Number</i>	03
<i>Session Title</i>	Recent Developments in Semiparametrics
<i>Time and Day</i>	10:00–12:00noon, October 11, Thursday
<i>Place</i>	Lecture Room 1 (Lumpkin Auditorium)
<i>Session Organizer</i>	Donglin Zeng, University of North Carolina, Chapel Hill
<i>Session Chair</i>	Elizabeth Slate, Medical University of South Carolina

10:00–10:30

Michael Kosorok, University of North Carolina, Chapel Hill.

Title: *Efficient linear regression for time-to-event data under length-biased sampling*

10:30–11:00

Alexander Tsodikov, University of Michigan.

Title: *Generalized self-consistency algorithms for mixture models*

11:00–11:30

Yi Li, Harvard University.

Title: *A New Class of Semiparametric Copula Mixture Cure Models: Analysis of SEER Prostate Cancer Data*

11:30–12:00

Bin Nan, University of Michigan.

Title: *Asymptotic Theory for the Semiparametric Accelerated Failure Time Model with Missing Data*

<i>Session Number</i>	04
<i>Session Title</i>	Nonparametrics & Bioinformatics
<i>Time and Day</i>	10:00–12:00noon, October 11, Thursday
<i>Place</i>	Lecture Room 2 (Room 855)
<i>Session Organizer</i>	Bani Mallick, Texas A & M University
<i>Session Chair</i>	Kerrie Nelson, University of South Carolina

10:00–10:30

Peter Mueller, MD Anderson Cancer Center.

Title: *Bayesian Clustering with Regression*

10:30–11:00

Jeffrey Morris, MD Anderson Cancer Center.

Title: *Applications of Wavelet-Based Functional Mixed Models to Proteomics and Genomics Data*

11:00–11:30

Wei Pan, University of Minnesota.

Title: *Variable selection in penalized model-based clustering via regularization on grouped parameters*

11:30–12:00

Sayan Mukherjee, Duke University.

Title: *Bayesian Kernel Models: Theory and Applications*

<i>Session Number</i>	05
<i>Session Title</i>	Nonparametrics: General & Pedagogical
<i>Time and Day</i>	10:00-12:00noon, October 11, Thursday
<i>Place</i>	Lecture Room 3 (Room 856)
<i>Session Organizer</i>	Organizing Committee
<i>Session Chair</i>	Brian Habing, University of South Carolina

10:00–10:30

A. K. Md. Ehsanes Saleh, Carleton University, Canada.

Title: *A Century of Nonparametrics*

10:30–11:00

Michael Chernick, United BioSource Corporation, Biotechnology Solutions.

Title: *Bootstrap Methods: Recent Advances and New Applications*

11:00–11:30

Paul Kvam, Georgia Tech.

Title: *Topics for a Nonparametric Statistics Course*

11:30–12:00

Michael J. Schell, University of South Florida.

Title: *Gaining Market Share for Nonparametric Statistics Ideas*

<i>Session Number</i>	06
<i>Session Title</i>	Nonparametric Constrained Inference
<i>Time and Day</i>	10:00–12:00noon, October 11, Thursday
<i>Place</i>	Lecture Room 4 (Room K-J)
<i>Session Organizer</i>	Joshua Tebbs, University of South Carolina
<i>Session Chair</i>	Joshua Tebbs, University of South Carolina

10:00–10:30

Mary Meyer, Colorado State University.

Title: *Estimation of a convex support function using regression splines*

10:30–11:00

Christopher Carolan, East Carolina University.

Title: *Area based testing under likelihood ratio ordering*

11:00–11:30

Hammou El-Barmi, Baruch College.

Title: *Peakedness and peakedness ordering in symmetric distributions*

11:30–12:00

Gregg Dinse and Shyamal Peddada, NIEHS.

Title: *Statistical inference under order restrictions with applications to toxicology*

12:00–1:30PM
Lunch (on your own)
& Poster Viewing

<i>Session Number</i>	07 (Plenary Talk II)
<i>Session Title</i>	Semiparametric Methods for Longitudinal Data
<i>Time and Day</i>	1:30–2:30PM, October 11, Thursday
<i>Place</i>	Lecture Room 1 (Lumpkin Auditorium)
<i>Session Organizer</i>	Organizing Committee
<i>Session Chair</i>	John Spurrier, University of South Carolina

1:30–2:20

Jianqing Fan, Princeton University.

Title: *New Developments of Semiparametric Modeling of Longitudinal Data*

2:20–2:30

Question and Answer Portion.

2:30–2:45
Coffee Break

<i>Session Number</i>	08
<i>Session Title</i>	A Session in Honor of Pranab Kumar Sen
<i>Time and Day</i>	2:45–4:45PM, October 11, Thursday
<i>Place</i>	Lecture Room 1 (Lumpkin Auditorium)
<i>Session Organizer</i>	Mervyn Silvapulle, Monash University, Australia
<i>Session Chair</i>	A. K. Md. Ehsanes Saleh, Carleton University, Canada

2:45–3:15

Mervyn Silvapulle, Monash University, Australia.

Title: *Estimating the error distribution in multivariate heteroscedastic time series models*

3:15–3:45

Joseph Gardiner, Michigan State University.

Title: *Estimating Medical Costs from a Transition Model*

3:45–4:15

Gauri Datta, University of Georgia.

Title: *A Bayesian Test for Excess Zeros in a Zero-inflated Power Series Distribution*

4:15–4:45

Yogendra Chaubey, Concordia University, Montreal, Quebec, Canada.

Title: *Smooth estimation of mean residual life under random censoring*

<i>Session Number</i>	09
<i>Session Title</i>	Nonparametric Regression and Density Estimation
<i>Time and Day</i>	2:45–4:45PM, October 11, Thursday
<i>Place</i>	Lecture Room 2 (Room 855)
<i>Session Organizer</i>	David Hitchcock, University of South Carolina
<i>Session Chair</i>	David Hitchcock, University of South Carolina

2:45–3:15

Jeffrey Hart, Texas A & M University.

Title: *Nonparametric Estimation of Distributions in Large-p, Small-n Settings*

3:15–3:45

Cheolwoo Park, University of Georgia.

Title: *SiZer Analysis for the Comparison of Regression Curves*

3:45–4:15

K. B. Kulasekera, Clemson University.

Title: *Testing the Equality of Two Single-Index Models*

4:15–4:45

Michael Minnotte, University of North Dakota.

Title: *Modality Analysis with Higher-Order Density Estimation*

<i>Session Number</i>	10
<i>Session Title</i>	Recent Developments in Nonparametrics
<i>Time and Day</i>	2:45–4:45PM, October 11, Thursday
<i>Place</i>	Lecture Room 3 (Room 856)
<i>Session Organizer</i>	Organizing Committee
<i>Session Chair</i>	Denis Larocque, HEC Montreal

2:45–3:15

Ron Randles, University of Florida.

Title: *Confidence Intervals for a Discrete Population Median*

3:15–3:45

Douglas Wolfe, Ohio State University.

Title: *Ranked Set Sampling with Unequal Set Sizes*

3:45–4:15

Reza Modarres, George Washington University.

Title: *A Test for Symmetry Using Ranked Set Samples*

4:15–4:45

Robert Mnatsakanov, West Virginia University.

Title: *On the Weak Convergence of Moment-Empirical Cumulative Distribution Function*

<i>Session Number</i>	11
<i>Session Title</i>	Nonparametric Statistics on Manifolds and Applications
<i>Time and Day</i>	2:45–4:45PM, October 11, Thursday
<i>Place</i>	Lecture Room 4 (Room K-J)
<i>Session Organizer</i>	Vic Patrangenaru, Florida State University
<i>Session Chair</i>	Vic Patrangenaru, Florida State University

2:45–3:15

Rabi N. Bhattacharya, University of Arizona.

Title: *Nonparametric Inference for Spaces of Shapes*

3:15–3:45

Frits Ruymgaart, Texas Tech University.

Title: *Samples of functional data and image analysis*

3:45–4:15

Rima Izem, Harvard University.

Title: *Quantifying variation in manifolds using data depth*

4:15–4:45

Peter T. Kim, University of Guelph, Canada.

Title: *A Moebius–Poincare Deconvolution Problem*

<i>Session Number</i>	12
<i>Session Title</i>	Poster Session I
<i>Time and Day</i>	4:45–6:00PM, October 11, Thursday
<i>Place</i>	DMC Lobby (Set-Up Period: Morning to Noon)
<i>Session Organizer</i>	Organizing Committee
<i>Session Chair</i>	Joshua Tebbs, University of South Carolina

Poster Board #1: Beth Andrews. Northwestern University.
Title: *Rank-based estimation for GARCH models*

Poster Board #2: Jeongyoun Ahn. University of Georgia.
Title: *Geometrical kernel selection for classification*

Poster Board #3: Abhishek Bhattacharya. University of Arizona.
Title: *Nonparametric inference on shape spaces*

Poster Board #4: Chung Chang. Columbia University.
Title: *A bootstrap resampling approach: Tests of significance on brain imaging data*

Poster Board #5: Suzanne Dubnicka. Kansas State University.
Title: *Kernel-Density Estimation with Missing Data and Auxiliary Variables*

Poster Board #6: Jien Chen, University of Georgia.
Title: *Quantile Estimation for Discrete Data via Empirical Likelihood*

Poster Board #7: Daniel Gervini. University of Wisconsin, Milwaukee.
Title: *Robust semiparametric models for time-dependent longitudinal data*

Poster Board #8: Samiran Ghosh. IUPUI.
Title: *A semiparametric modeling approach for the development of metabonomic profile and biomarker discovery mechanism*

Poster Board #9: Wenge Guo. NIEHS.
Title: *On control of the false discovery rate under no assumption of dependency*

Poster Board #10: Wongcheol Jang. University of Georgia.
Title: *Nonparametric functional classification with sparsity and feature selection*

Poster Board #11: Moonsu Kang. University of North Carolina.
Title: *False discovery rate in microarray studies*

Poster Board #12: John Kloke and Patrick Kimes. Pomona College.
Title: *Simple location models for microarray data*

Poster Board #13: Larry Tang. George Mason University.
Title: *Semiparametric Least Squares ROC Analysis of Correlated Biomarker Data*

6:00-6:15PM
Conference Group Picture-Taking
In Front of Moore School of Business Building
Photographer: Mr. Clint Cook

6:15–8:00PM, October 11, Thursday
Conference Mixer
Location: Top of Carolina
(top floor of the Capstone House)

Friday
October 12

7:00AM–1:30PM, October 12, Friday
Registration
DMC Registration Desk

7:00AM–8:30AM, October 12, Friday
Continental Breakfast
near DMC Registration Desk

<i>Session Number</i>	13 (Plenary Talk III)
<i>Session Title</i>	Rank-Based Methods in Regression
<i>Time and Day</i>	8:35–9:45AM, October 12, Friday
<i>Place</i>	Lecture Room 1 (Lumpkin Auditorium)
<i>Session Organizer</i>	Organizing Committee
<i>Session Chair</i>	Edsel A. Peña, University of South Carolina

8:35–8:45

Some Announcements & Housekeeping Issues.

8:45–9:35

Jana Jurečková, Charles University in Prague, Czech Republic.

Title: *Ranks and quantiles in regression and autoregressive models*

9:35–9:45

Question and Answer Portion.

9:45–10:00
Coffee Break

<i>Session Number</i>	14
<i>Session Title</i>	Rank-Based Methods
<i>Time and Day</i>	10:00–12:00noon, October 12, Friday
<i>Place</i>	Lecture Room 1 (Lumpkin Auditorium)
<i>Session Organizer</i>	Ron Randles, University of Florida
<i>Session Chair</i>	Ron Randles, University of Florida

10:00–10:30

Tom Hettmansperger, Pennsylvania State University.

Title: *Semi- and Non-parametric Mixture Models*

10:30–11:00

Denis Larocque, HEC Montreal.

Title: *Rank and Sign Methods for Clustered and Multilevel Data*

11:00–11:30

Joe McKean, Western Michigan University.

Title: *Comparisons of Rank-Based Estimators for The Fixed Effects of a Mixed Model*

11:30–12:00

William Schucany, Southern Methodist University.

Title: *Rank Tests for Trend in Genetic Association Studies with Quantitative Traits*

<i>Session Number</i>	15
<i>Session Title</i>	Nonparametric and Semiparametric Modeling and Inference
<i>Time and Day</i>	10:00–12:00noon, October 12, Friday
<i>Place</i>	Lecture Room 2 (Room 855)
<i>Session Organizer</i>	Hao Helen Zhang, North Carolina State University
<i>Session Chair</i>	Xianzheng (Shan) Huang, University of South Carolina

10:00–10:30

Wenbin Lu, North Carolina State University.

Title: *Partial Linear Transformation Models for Censored Survival Data*

10:30–11:00

Guang Cheng, SAMSI & Duke University.

Title: *Semiparametric Additive Isotonic Regression*

11:00–11:30

Yuedong Wang, University of California at Santa Barbara.

Title: *Nonlinear Nonparametric Regression Models*

11:30–12:00

Jianhua Huang, Texas A & M University.

Title: *On Modeling and Forecasting Time Series of Curves*

<i>Session Number</i>	16
<i>Session Title</i>	Nonparametrics in Reliability and Survival Analysis
<i>Time and Day</i>	10:00–12:00noon, October 12, Friday
<i>Place</i>	Lecture Room 3 (Room 856)
<i>Session Organizer</i>	Paul Kvam, Georgia Tech
<i>Session Chair</i>	Paul Kvam, Georgia Tech

10:00–10:30

Russell Stocker, Mississippi State University.

Title: *Goodness-of-fit tests for recurrent event data*

10:30–11:00

David Collins, University of New Mexico & Aparna Huzurbazar, Los Alamos National Laboratories.

Title: *Nonparametric Density Estimation for Flowgraph Models With Applications to System Reliability*

11:00–11:30

Sunil Mathur, University of Mississippi.

Title: *A New Generalized Test Statistic for Multinomial Goodness-of-Fit*

11:30–12:00

Zhezhen Jin, Columbia University.

Title: *Sequential test for censored data with linear transformation models*

<i>Session Number</i>	17
<i>Session Title</i>	Empirical Likelihood
<i>Time and Day</i>	10:00–12:00noon, October 12, Friday
<i>Place</i>	Lecture Room 4 (Room K-J)
<i>Session Organizer</i>	Nancy Glenn and Organizing Committee
<i>Session Chair</i>	Arne Bathke, University of Kentucky

10:00–10:30

Yichuan Zhao, Georgia State University.

Title: *Empirical likelihood based inference for the calibration regression model with lifetime medical cost*

10:30–11:00

John Fresen, University of Missouri.

Title: *Convergence of the nonparametric EM Algorithm*

11:00–11:30

Mai Zhou, University of Kentucky.

Title: *Parametric/Nonparametric Hybrid Two Sample Problem by Empirical Likelihood with Censored Data*

11:30–12:00

Mi-Ok Kim, Cincinnati Children's Hospital Medical Center.

Title: *Empirical Likelihood in the framework of Parametric Likelihood*

12:00–1:30PM
Lunch (on your own)
& Poster Viewing

<i>Session Number</i>	18 (Plenary Talk IV)
<i>Session Title</i>	Non and Semiparametrics in Biomedical Settings
<i>Time and Day</i>	1:30–2:30PM, October 12, Friday
<i>Place</i>	Lecture Room 1 (Lumpkin Auditorium)
<i>Session Organizer</i>	Organizing Committee
<i>Session Chair</i>	James Lynch, University of South Carolina

1:30–2:20

Raymond Carroll, Texas A & M University.

Title: *Semiparametric Analysis of Case-Control Studies, With Applications to Gene-Environment Interactions*

2:30–2:30

Question & Answer Portion.

2:30–2:45
Coffee Break

<i>Session Number</i>	19
<i>Session Title</i>	Bayesian Nonparametrics
<i>Time and Day</i>	2:45–4:45PM, October 12, Friday
<i>Place</i>	Lecture Room 1 (Lumpkin Auditorium)
<i>Session Organizer</i>	Malay Ghosh, University of Florida
<i>Session Chair</i>	Malay Ghosh, University of Florida

2:45–3:15

Jayaram Sethuraman, Florida State University.

Title: *Partition Based Nonparametric Priors*

3:15–3:45

Dipak Dey, University of Connecticut.

Title: *Dimension Augmenting Vector Machine: A new General Classifier System for Large p Small n problem*

3:45–4:15

Bhramar Mukherjee, University of Michigan.

Title: *Semiparametric Bayesian Analysis of Studies of Gene-Environment Interaction*

4:15–4:45

Debajyoti Sinha, Florida State University.

Title: *Current Methods for Recurrent Events Data with Dependent Termination: A Bayesian Perspective*

<i>Session Number</i>	20
<i>Session Title</i>	Recent Advances in Non- and Semi-parametrics
<i>Time and Day</i>	2:45–4:45, October 12, Friday
<i>Place</i>	Lecture Room 2 (Room 855)
<i>Session Organizer</i>	Joseph Gastwirth, George Washington University
<i>Session Chair</i>	John Grego, University of South Carolina

2:45–3:15

Tian Zheng, Columbia University.

Title: *Evaluating the reproducibility of two studies of a large number of objects: Modified Kendall Rank-Order Association Test*

3:15–3:45

Todd Ogden, Columbia University.

Title: *Regression models with functional predictors*

3:45–4:15

Tanya Apanasovich, Cornell University.

Title: *SIMEX and Variance Estimation in Semiparametric Measurement Error Models*

4:15–4:45

Yulia Gel, University of Waterloo.

Title: *Levene’s Family of Tests for Equality of Variances: historical perspective, impact and modifications*

<i>Session Number</i>	21
<i>Session Title</i>	Nonparametrics in Biomedical Settings
<i>Time and Day</i>	2:45–4:45PM, October 12, Friday
<i>Place</i>	Lecture Room 3 (Room 856)
<i>Session Organizer</i>	Zhezhen Jin, Columbia University
<i>Session Chair</i>	Zhezhen Jin, Columbia University

2:45–3:15

Mengling Liu, New York University.

Title: *Longitudinal Data with Nonignorable Dropout*

3:15–3:45

Susanne May, University of California at San Diego.

Title: *Nonparametric tests for two group comparisons of dependent observations obtained at varying time points with application to RNA viral load decline*

3:45–4:15

Elizabeth Slate, Medical University of South Carolina.

Title: *A semiparametric Bayesian model for examiner agreement in periodontal research*

4:15–4:45

Micha Mandel, The Hebrew University of Jerusalem, Israel.

Title: *Nonparametric Estimation of a Distribution Function Under Biased Sampling and Multiplicative Censoring*

<i>Session Number</i>	22
<i>Session Title</i>	Nonparametrics from the ‘Younger’ Generation
<i>Time and Day</i>	2:45–4:45PM, October 12, Friday
<i>Place</i>	Lecture Room 4 (Room K-J)
<i>Session Organizer</i>	Organizing Committee
<i>Session Chair</i>	Jeffrey Hart, Texas A & M University

2:45–3:15

Lexin Li, North Carolina State University.

Title: *Nonparametric variable selection via sufficient dimension reduction*

3:15–3:45

Lan Wang, University of Minnesota.

Title: *Wilcoxon-type generalized Bayesian information criterion*

3:45–4:15

David Hitchcock, University of South Carolina.

Title: *Smoothing Dissimilarities for Cluster Analysis: Binary Data and Functional Data*

4:15–4:45

Ryan Elmore, Colorado State University.

Title: *Nonparametric density estimation from covariate information*

<i>Session Number</i>	23
<i>Session Title</i>	Poster Session II
<i>Time and Day</i>	4:45–6:00PM, October 12, Friday
<i>Place</i>	DMC Lobby (Set-Up Period: Morning to Noon)
<i>Session Organizer</i>	Organizing Committee
<i>Session Chair</i>	Joshua Tebbs, University of South Carolina

Poster Board #1: Jiexiang Li. College of Charleston.

Title: *Nonparametric Estimation of Conditional Expectation*

Poster Board #2: Yisheng Li. MD Anderson Cancer Center.

Title: *Bayesian inference in semiparametric mixed models for longitudinal data*

Poster Board #3: Jun Liu and Jing Wang. Georgia Southern University and University of Illinois at Chicago.

Title: *Nonparametric transfer function models: A polynomial spline approach*

Poster Board #4: Rong Liu. Michigan State University.

Title: *Spline-backfitted kernel smoothing of additive coefficient model*

Poster Board #5: Arnab Maity. Texas A & M University.

Title: *SIMEX and variance estimation in semiparametric measurement error models*

Poster Board #6: Bernard Omolo. University of South Carolina, Upstate.

Title: *An Asymptotically distribution-free Aligned Rank Test for Location in a Repeated Observation Model*

Poster Board #7: Jin-Hong Park. College of Charleston.

Title: *Time series central subspace*

Poster Board #8: Junshan Qiu. University of Georgia.

Title: *Bayesian analysis of physiologically based pharmacokinetics modelling of perchloroethylene in humans*

Poster Board #9: Farzan Rohani. McGill University.

Title: *The Mann-Whitney-Wilcoxon random field, with applications to brain mapping*

Poster Board #10: Weixing Song and Hua Liang. Kansas State University and University of Rochester.

Title: *Improved estimation in multiple linear regression model with measurement error and general constraint*

Poster Board #11: Jianqiang Wang. Iowa State University.

Title: *Estimating the distance distribution of subpopulations for a large-scale complex survey*

Poster Board #12: Jingjing Wu. University of Calgary.

Title: *Efficient and Robust Estimation in Semiparametric Models*

Poster Board #13: Yonggang Yao. Ohio State University.

Title: *Efficient linear programming algorithm for functional component pursuit*

<i>Session Number</i>	24 (Conference Banquet)
<i>Session Title</i>	Banquet in Honor of Pranab Kumar Sen's 70th Year
<i>Time and Day</i>	6:00–9:00PM, October 12, Friday
<i>Place</i>	Capstone Campus Rm, 1st Floor, USC Capstone House
<i>Session Organizer</i>	Organizing Committee and Mervyn Silvapulle
<i>Session Chair</i>	Mervyn Silvapulle, Monash University, Australia

6:00–6:30

Open Bar.

6:30–8:00

Banquet Dinner, with background music from guitarist **Jac Mandel**.

8:00–8:10

Mark Becker, Executive Vice-President for Academic Affairs and Provost of the University of South Carolina. *Some Remarks From A Fellow Statistician.*

8:10–8:20

Malay Ghosh, University of Florida. *Some Remarks About Pranab Kumar Sen.*

8:20–8:50

N. Balakrishnan, McMaster University, Canada. *A Tribute to Pranab Kumar Sen.*

8:50–9:00

Mervyn Silvapulle, Monash University, Australia. *Presentation of a Festschrift to Pranab Kumar Sen.*

Conference Shuttle and Taxi Information

Conference Shuttle

The Conference Shuttle (USC Bus) will run continuously from the airport to the conference hotels and back (approximately one hour circuit) on ...

- Wednesday, 10/10, 2:00PM–1:00AM
- Saturday, 10/13, 5:00AM–2:00PM

Please do **not** give the driver money. If you did not pay the \$10/trip fee with your registration, please use the shuttle anyway and leave a check at the registration desk at your convenience.

In addition, on Thursday (10/11) the Conference Shuttle will run from the Capstone House (Mixer site) to the Vista restaurant area and back to the conference hotels from 7:00PM–10:00PM. This service is **free**.

Taxis and Express Shuttle

Contact information for local shuttles and taxis for hire, to supplement the above are provided below:

- Express Shuttle: (803)251-6600
- Blue Ribbon Taxi: (803)754-8163
- Checker Yellow Cab Co.: (803)799-3311
- Classic Taxi Cab Co.: (803)348-0662

Dining Places

(compiled by Don Edwards)

Note: Please refer to the area map provided for location of some of these places.

On-Campus Places

1. Colloquium Cafe. Very close to conference site.
2. Starbucks at the Barnes & Noble Bookstores in the Russell House Student Union.
3. Preston's at second floor of the Russell House Student Union. This is where many faculty and staff dine.
4. There are other dining places in the Russell House Student Union: first and second floors.

Off-Campus Places

Recommended Downtown Columbia Restaurants

Most entrees over \$15.

(Listed Alphabetically. Number shown indicates culinary expert ranking)

1. **Blue Marlin.** 1200 Lincoln St. (The Vista). Phone: (803) 799-3838.
Website: <http://www.blumarlincolumbia.com>.
Specializing in creative seafood dishes with a Lowcountry kick, Blue Marlin also serves hand-cut steaks and prime rib. Shrimp and grits is a top seller, the grits coming from across the street!
2. **Bull Market Restaurant & Taverna.** 902-C Gervais St. (The Vista) Phone: (803) 343-2855 Hours: Mon-Thu 11:30 a.m.-10 p.m.; Fri-Sat 11:30 a.m.-11 p.m.; Sun 11:30 a.m.-10 p.m. Bull Market's menu is a fusion of the owners' Mediterranean-Greek backgrounds and their Southern upbringing. Offering well-executed favorites like moussaka and pastitsio as well as excellent steaks.
3. **Dianne's on Devine.** 2400 Devine St.(three blocks uphill on Devine St. from Five points) Phone: (803) 254-3535 Hours: Mon-Sat 5-10 p.m.; reservations recommended.
Website: <http://www.diannesondevine.com/>
Dim lighting, sultry jazz (Big band most Wednesday nights) and exquisite service make Dianne's an excellent choice.
4. **Garibaldis.** 2013 Greene St. (Five points) Phone: (803) 771-8888 Hours: Mon-Thu 5:30-10:30 p.m.; Fri-Sat 5:30-11 p.m.; Sun 5:30-10 p.m.; reservations recommended. Fine dining in an elegant but comfortable atmosphere. Large Italian menu specializes in fresh seafood and typically boasts eight or nine specials. Mediterranean influence.
5. **Hampton Street Vineyard.** 1201 Hampton St. (Downtown, 4 blocks north on Main from state-house) Phone: (803) 252-0850 Hours: Mon-Fri 11:30 a.m.-2 p.m., 6-10 p.m.; Sat 6-10 p.m.; reservations recommended.
Website: <http://www.hamptonstreetvineyard.com/>
Innovative American cuisine with seasonal menu changes, featuring fresh seafood, hand-cut steaks, lamb, duck, veal, accommodating and professional service all taking place in an urban cool space. Watch Provost and ASA Fellow Mark Becker entertaining VIP's for dinner here.

6. **Motor Supply Co.** 920 Gervais St. (The Vista) Phone: (803) 256-6687 Hours: Tue-Thu 11:30 a.m.-2:30 p.m. and 6-10 p.m.; Fri-Sat 11:30 a.m.-2:30 p.m. and 6-11 p.m.
Website: <http://www.motorsupplycobistro.com/>;
reservations recommended. An early pioneer of dining in the Vista, Motor Supply's eclectic menu reflects a classic bistro mentality and changes every day and every night. Upbeat, cosmopolitan atmosphere and excellent food.
7. **Mr. Friendly's.** 2001-A Greene St. (Five points) Phone: (803) 254-7828
Website: <http://www.mrfriendlys.com/>.
No reservations taken; expect a wait for dinner. The award-winning bistro Mr. Friendly's is tucked in above Claussen's Inn. This popular little bistro serves "good, old fashioned, New Southern Cuisine" at very reasonable prices. Great for lunch, too.
8. **Ristorante Divino.** 803 Gervais St. (The Vista) Phone: (803) 799-4550 Hours: Mon-Sat 6-10 p.m.; reservations recommended.
Website: <http://www.ristorantedivino.com/>
Fine dining and an elegant atmosphere. Specializes in Northern Italian cuisine with the rack of lamb serving as its signature dish. Excellent wine list and recipient of a Wine Spectator award.
9. **Saluda's.** 751 Saluda Ave. (Five points above Starbucks) Phone: (803) 799-9500 Hours: T-Th 5:30-10p;F-Sat 5:30-11p; Sun 11a-2 p; 5:30-10p; reservations recommended. This casual fine-dining establishment offers cutting-edge culinary styles that blend Italian, French and Lowcountry influences. Serves seafood, beef, chicken and vegetarian entrees.

Recommended Downtown Columbia Restaurants and Pubs

Entrees \$10-15.

(Listed Alphabetically)

1. **California Dreaming.** 401 Main St. (Just south of Campus area) Phone: (803) 254-6767 Hours: Sun-Thu 11 a.m.-10 p.m.; Fri-Sat 11 a.m.-11 p.m.
Website: <http://californiadreamings.com/>
Located in a historic railroad station, California Dreaming opened in 1984 and ever since has been a popular destination for businesspeople as well as students and faculty from nearby USC.
2. **Harper's Restaurant.** 700 Harden St. (Five points) Phone: (803) 252-2222 Hours: Mon-Thu 11:15 a.m.-10 p.m.; Fri-Sat 11:15 a.m.-11 p.m.; Sun 10:30 a.m.-10 p.m.
Website: <http://www.harpersrestaurants.com/harpers-fivepoints.htm>
A Five Points institution serving very good American fare. While the menu has burgers, sandwiches and beef, Harper's also offers fresh seafood and outdoor seating.
3. **Hunter-Gatherer.** 900 Main St. (Campus area) Phone: (803) 748-0540 Hours: Serving food Tue-Sat 4-11 p.m. (bar open later) Columbia's oldest brewpub has been serving traditional ales and fresh foods since the mid '90s, UK Pub style. Specialty pizzas are a favorite, but don't underestimate the culinary offerings.
4. **India Pavilion.** 2011 Devine St. (Five points) Phone: (803) 252-4355 Hours: Mon-Sat 11:30 a.m.-2:30 p.m. and Mon-Sun 5-10 p.m.; Buffet 5 p.m.- 9:30 p.m. The only Indian joint within walking distance of USC does a brisk trade with the college crowd. The menu touches all the bases, from Tandoori to Biryani, and includes a wide assortment of Indian bread.
5. **Liberty Taproom & Grill.** 828 Gervais St. (The Vista) Phone: (803) 461-4677 Hours: M-W 11am-10pm; Th-Sat 11am-11pm; Sun 10am-2pm An eclectic Euro-fusion menu offers delicious salads and appetizers, succulent soups, colorful entrees and a wide range of beers. Steaks: the Maui Ribeye and the Bacon Wrapped Filet.

6. **Miyo's on S. Main St.** 922 S. Main St. (Campus area) Phone: (803) 779-6496 Hours: Mon-Fri 11:30 a.m.-2:30 p.m.; Mon-Sat 5:30-10 p.m.

Website: <http://www.miyos.com/>

Winner of many Best of Columbia awards for their Shanghai and Szechwan cuisine. Features both traditional and innovative dishes served in a comfortable, elegant atmosphere. Also a sushi bar.

Recommended Downtown Columbia Restaurants and Pubs

Entrees under \$10

(Listed Alphabetically)

1. **Adriana's.** 721 Saluda Ave. (Five points) Phone: (803) 799-7595 Hours: Mon-Fri 8 a.m.-midnight; Sat 9 a.m.-midnight; Sun 10 a.m.-11 p.m. Kitchen: 11 a.m.-4 p.m. A virtual rite of passage for Five Points hipsters, Adriana's is a locally owned coffee and dessert shop. Offers homemade gelato and sorbetto.
2. **Beezer's.** Sumter St. 919-B Sumter St. (Campus area) Phone: (803) 771-7771 Hours: Mon-Thu 11 a.m.-3 a.m., Fri-Sat 11 a.m.-4 a.m., Sun noon-midnight. Sandwiches like the T-Bird, the Godfather and the Rebel Rouser have become mainstays for any self-respecting college student or budget-conscious diner.
3. **Delaney's.** 741 Saluda Ave. (Five points) Phone: (803) 779-2345 Hours: Mon-Sun 11 a.m.-2 a.m. Website: <http://www.delaneypub.com/> Irish pub with 25 beers on tap and variety of food. Live acoustic and Celtic music Tues-Sat.
4. **DiPrato's Delicatessen & Market.** 342 Pickens St. (near campus area, 4 blocks south on Pickens) Phone: (803) 779-0606 Hours: Mon-Sat 10 a.m.-9 p.m., Sun 10 a.m.-4 p.m. (Brunch: Sun 10 a.m.-2p.m.) A stone's throw from Maxcy Gregg park, DiPrato's brings a New York attitude to its gourmet deli selections. The executive chef emphasizes large, thick sandwiches like the triple-decker Reuben(s).
5. **Five Guys Famous Burgers and Fries.** 931 Senate Street (The Vista) Website: <http://www.fiveguys.com/> Made with fresh-ground beef, offered with a dozen different toppings and with the perfect amount of grease moistening the bun, these are what burgers in heaven must taste like. Fresh-cut fries.
6. **Flying Saucer.** 931 Senate St. (The Vista) Phone: (803) 933-9997 Hours: Mon-Wed 11 a.m.-1 a.m.; Thu-Sat noon-2 a.m. Amazing, exhaustive beer list of more than 100 beers on tap. The STAT department's happy hour spot.
7. **Immaculate Consumption.** 933 Main St. (Campus area) Phone: (803) 799-9053 Hours: Mon-Fri 8 a.m.-7 p.m.; Lunch: 11 a.m.-3:30 p.m. In addition to several different coffees and beer, this coffee shop next to the Nickelodeon (art film theatre) serves a wide range of sandwiches and fresh salads.
8. **Moe's Southwest Grill.** S. Main St. 625 South Main St. (Campus area) Phone: (803) 256-9663 Hours: Mon-Sun: 11 a.m.-10 p.m. Website: <http://www.moes.com/index.php> With customizable menu options, eccentric style and unbeatable food, Moe's adds some zest to the Tex-Mex cuisine.
9. **Rockaway Athletic Club.** 2719 Rosewood Dr. (long walk - 8 blocks south of 5 points on Harden, left on Rosewood) Phone: (803) 256-1075 Hours: Mon- Sun. 11 a.m. - 11 p.m. (bar open late) This locally famous pub was a stop for President Bush during a visit to Columbia. The Secret Service mistook one of the co-owners, standing in the parking lot, to be a security risk. For years, locals have been flocking to Rockaway's for its unbeatable pimento cheeseburgers and raw bar. A little hard to find, though - no signage (none has ever been needed).

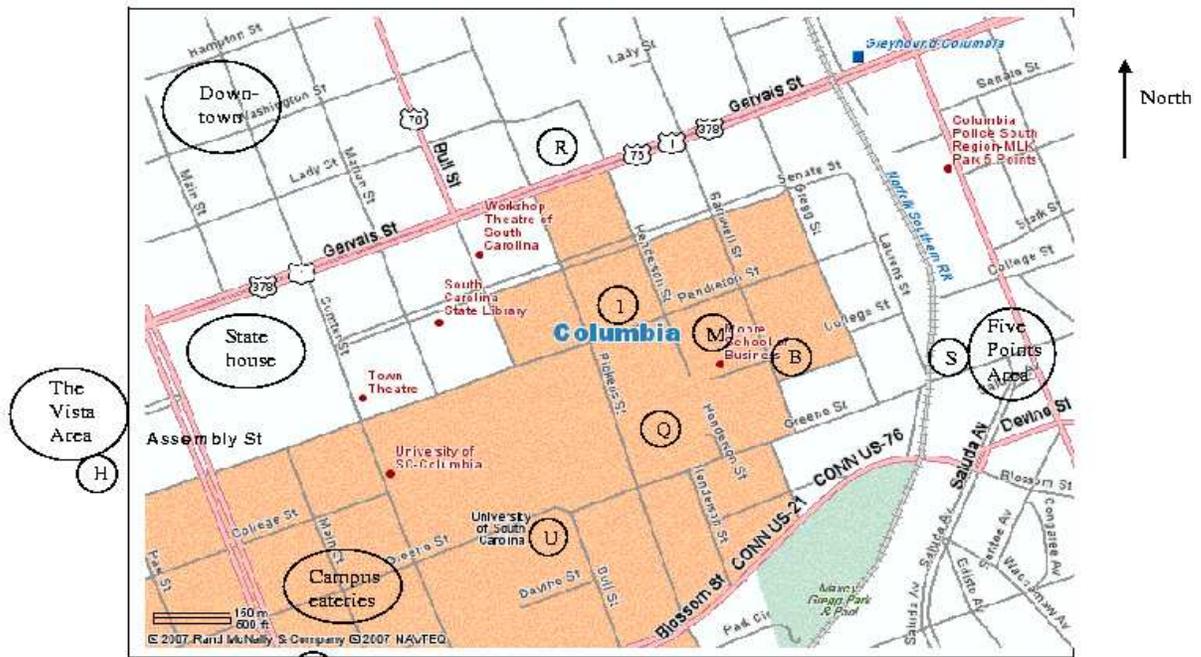
10. **Salty Nut Cafe.** 2000-A Greene St. (Five points) Phone: (803) 256-4611 Hours: Kitchen: Mon-Sun 11 a.m.-midnight; Bar: 11 a.m.-until. Known for its huge half-pound burgers - topped with chili, Cajun spices, jalapeños or other toppings - this relaxed Five Points staple also offers wraps, salads and sandwiches. Popular with USC STAT grad students.
11. **Sandy's Famous Hot Dogs.** 825 Main St. (Campus area) Phone: (803) 254-6914 Hours: Mon-Sat 11 a.m.-9 p.m.; Sun noon-9 p.m. Is it presumptuous to call your hot dogs famous? Maybe so, but when you consider that former President Ronald Reagan had Sandy's slaw dogs flown to him after a swing through Columbia, it's justifiable. Ice Cream parlor, too.
12. **Starbucks.** 831 Gervais Street (Campus area) and 747 Saluda Ave. (Five points).....y'all know about this one.
13. **The Gourmet Shop.** 724 Saluda Ave. (Five points) Phone: (803) 799-3705 Hours: Mon-Fri 9 a.m.-3:45 p.m.; Sat 10 a.m.-4:45 p.m.; Sun 10 a.m.-3:45 p.m.
Website: <http://www.thegourmetshop.net/>
A Five Points icon because of its coveted sidewalk seating and signature dishes that include the chicken salad and the turkey pesto. The store offers coffees, wines, breads, and kitchen gadgets.

Figure 2: Location of Buildings for Conference: Inn at USC (Lodging and Wednesday Mixer), Close-Hipp Building (Business School, where the technical sessions will be), Capstone House Building (site of Thursday Mixer and Banquet), LeConte Building (where the Statistics Department is housed), and the Colloquium Cafe and Russell House (two of the On-Campus Dining Places)



Figure 3: Area Map Indicating Some of the Hotels and Dining Places

Current and Future Trends in Nonparametrics Conference Area Map and Restaurant Guide



- In the map above:
- M = Meeting technical sessions (8th floor): Moore School of Business
 - B = site of Banquet (1st floor) and Thursday social (top floor): Capstone House
 - I = Inn at USC
 - R = Clarion (Townhouse) Hotel
 - S = Claussen's Inn
 - C = Courtyard Hotel by Marriott
 - H = Hilton Hotel in the Vista
 - U = Russell House Union
 - Q = Colloquium Cafe



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