

CURRICULUM VITAE

Name: Dejian Lai

Address: The University of Texas Health Science Center at Houston
 School of Public Health
 Department of Biostatistics and Data Sciences
 1200 Herman Pressler Street, Room 1008
 Houston, TX 77030
 Tel: (713) 500-9270
 Fax: (713) 500-9442
 E-mail: dejian.lai@uth.tmc.edu

Education:

9/89–8/94 **Ph.D.** in Statistics
Dissertation: Contributions to Nonlinear Time Series Analysis
 University of Texas at Dallas
 Richardson, TX

9/87–5/89 **M.S.** in Statistics
 University of Texas at El Paso
 El Paso, TX

3/87–7/87 **Diploma** in Demography
 Munich Center for Advanced Training
 Commission of the European Communities
 Munich, Germany

3/78–1/82 **B.S.** in Computational Mathematics
 Jiangxi University
 Nanchang, China

Professional Positions:

9/04– Professor, Biostatistics and Data Sciences, Global Health
 School of Public Health
 The University of Texas Health Science Center
 Houston, TX

Professional Positions(Continued):

- 9/06–8/08 Curriculum Coordinator, Biostatistics
School of Public Health
The University of Texas Health Science Center
Houston, TX
- 9/13–8/16 Chair-Elect of the Faculty (2013-2014)
Chair of the Faculty (2014-2015)
Immediate Past Chair of the Faculty (2015-2016)
School of Public Health
The University of Texas Health Science Center
Houston, TX
- 9/00–8/04 Associate Professor, Biostatistics (Tenured)
International and Family Health Module
School of Public Health
The University of Texas Health Science Center
Houston, TX
- 8/94–8/00 Assistant Professor, Biometry (Tenure Track)
International and Family Health Module
School of Public Health
The University of Texas Health Science Center
Houston, TX
- 6/94-7/94 Faculty Research Associate (Postdoc)
Department of Statistical Science
Southern Methodist University. Dallas, TX
- 9/89–8/94 Teaching Assistant
Programs in Mathematical Sciences
University of Texas at Dallas. Richardson, TX
- 9/87–5/89 Teaching Assistant
Programs in Mathematical Sciences
University of Texas at El Paso. El Paso, TX
- 1/82–8/87 Statistician
Social Division, Population Division
Jiangxi Provincial Statistical Bureau. Nanchang, China

Honors:

- 3/78–1/82 Undergraduate Scholarship
Jiangxi University. Nanchang, China
- 3/87–7/87 Selected by the Chinese State Statistical Bureau and sponsored by the Commission of the European Communities for advanced training in demography
- 9/87–5/89 Graduate Scholarship
University of Texas at El Paso. El Paso, TX
- 9/89–8/94 Graduate Scholarship
University of Texas at Dallas. Richardson, TX
- 2001–
2003 Who's Who in America, 55th– Edition
Travel award (ChunHui) for academic visit to Xian Jiaotong University
Ministry of Education of China (Canceled due to SARS in China)
- 2006 Travel award (ChunHui) for academic visit to Xian Jiaotong University
Ministry of Education of China
- 2004 Fellowship for one month academic visit to City University of Hong Kong
- 2004-16 Travel award for academic visits to Faculty of Statistics
Jiangxi University of Finance and Economics
- 2004 Travel grant from American Association of Medical Chronobiology and
Chronotherapeutics to attend National Chronobiology Conference of China
in Hainan, China.
- 2008 Travel grant from Mathematics Research Promotion Center
National Science Council, Taiwan
- 1997-2001 Peer Recognition for Outstanding Scholarship
UT Health Science Center, Houston, TX
- 1998-2006 Excellence in Research Incentive Award
- 2008-2017 Excellence in Research Incentive Award
- 1998-2009 Excellence in Scholarship Incentive Award
- 2010-2017 Excellence in Scholarship Incentive Award
- 2008 Dean's Excellence in Teaching Award
UT School of Public Health, Houston, TX

Consultant Experience:

- 8/16 – 8/17 Cao Pharmaceutical
- 3/15 – 8/16 Cardinal Health
- 5/13–
University of Houston College of Pharmacy
- 9/11–8/15 Medical Technology and Practice Patterns Institute, Bethesda, MD
- 8/10– 8/15 Institute of Zoology, Chinese Academy of Sciences, Beijing, China
- 5/06–8/15 Texas Heart Institute, Houston, Texas
- 1/06-12/06 International Pediatric Hypertension Association (IPHA)
- 1/06–
Nanjing Medical University, Nanjing, China
School of Public Health
- 1/06–1/08 University of Louisville, Louisville, Kentucky
Department of Pediatrics

Consultant Experience:(Continued)

- 6/14– Xiamen University, Xiamen, China
School of Public Health
- 5/03– Xian Jiao Tong University, Xian, China
School of Public Health
- 10/05–9/09 Tianjin University, Tianjin, China
College of Pharmaceuticals & Biotechnology
- 9/05–9/08 World Health Organization
Pan American Health Organization
- 8/05–12/06 Mayor’s Task Force on the Health Effects of Air Pollution
(Houston)
- 07/09–08/10 University of Hong Kong School of Public Health, Hong Kong,
China
- 6/06–06/08 Huazhong University of Science and Technology, Wuhan, China
Tongji School of Public Health
- 3/03–12/04 Hong Kong University of Science and Technology
Department of Biology
- 6/04– Jiangxi University of Finance and Economics, Nanchang, China
Faculty of Statistics
School of Finance
- 6/04–8/17 Nanchang University, Nanchang, China
School of Public Health
College of Science
- 6/04–7/04 Jiangxi School of Statistics, Nanchang, China
- 10/00–1/03 National University of Singapore, Singapore
Institute of Molecular and Cell Biology
- 12/01–10/09 Sun Yat-Sen University, Guangzhou, China
School of Public Health, Department of Medical Statistics
Lingnan College, Department of Finance
- 8/00–8/17 City University of Hong Kong, China
Department of Electrical and Computer Engineering
- 9/94– Medical School, UT Health Science Center
Department of Internal Medicine
Department of Psychiatry and Behavioral Science
Department of Radiology
Harris County Psychiatric Center
Department of Pediatrics
Department of Surgery
Division of Infectious Diseases
- 5/01– 8/08 School of Nursing, UT Health Science Center
Department of Target Population

Consultant Experience:(Continued)

4/01- Baylor College of Medicine
Department of Medicine
Department of Neurology

1/95-1/00 University of Houston
Department of Electrical and Computer Engineering

1/96- MD Anderson Cancer Center, University of Texas
Department of Epidemiology
Department of Thoracic and Cardiovascular Surgery

9/95- Medical Branch at Galveston, University of Texas
Department of Physiology and Biophysics
Department of Preventive Medicine and Community Health
Department of Internal Medicine

1/03- 8/10 Houston Advanced Research Center, Woodland, TX

6/03-6/03 Reliant Energy,Houston, TX

7/03-12/06 Texas Tech University, Lubbock, TX

1/96-12/03 Shell Oil Company, Houston, TX
Corporate Medical Department

8/03-12/06 Amgen Inc., Thousand Oaks, CA

10/97-5/99 Visual Numerics (IMSL) Inc., Houston, TX

2/94-2/95 Savitz (Marketing) Research Center Inc., Dallas, TX

6/02-8/02 Houston Police Department, Houston, TX

Professional and Other Organizations:

American Statistical Association (1990-)
Institute of Mathematical Statistics (1994-2000)
American Public Health Association (1994-2000)
Society for Clinical Trials (1995-1997)
International Biometric Society (1994-)
International Chinese Statistical Association (1995-1999)
Member of the Board of Directors of
(Houston) Chinese Association of Professionals in Science and Technology (2000-2002)

Peer Review Activities:

<i>Editorial Boards:</i>	Scientific Reports (2015-2017) Fractal Geometry and Nonlinear Analysis in Medicine and Biology (2015–) Clinical Gastroenterology and Hepatology (2012-2014) Advances and Applications in Statistics (2001-) Far East Journal of Theoretical Statistics (2004-) JP Journal of Biostatistics (2007-) Journal of Probability and Statistics (2013-)
<i>Guest A. Editor:</i>	International Journal of Bifurcation and Chaos (2009-)
<i>Conferences:</i>	The Third International Workshop on Chaos-Fractals Theories and Applications (Kunming) (2010) European Conference on Circuit Theory and Design ECCTD (2005) The 34th IEEE Conference on Decision and Control (1997) The International Conference on Communications, Circuits and Systems & West Sino-Expo (2002)
<i>Grants:</i>	Enhance and Advance Research, University of Houston (2002) The U.S. Civilian Research & Development Foundation (2005) The Portuguese Foundation for Science and Technology (FCT) (2012) National Natural Science Foundation of China-Key Projects (2015–) UK Medical Research Council (2016)
<i>Promotion/Tenure:</i>	Huazhong University of Science and Technology School of Public Health (2013) Texas Tech University Department of Family and Community Medicine (2006) UT Medical School Department of Internal Medicine (2007, 2013) Department of Pediatrics (2003) UT School of Biomedical Information Sciences (2005, 2013–)
<i>DSMB:</i>	UT TAAD-SCCOR (NHLBI) (2008-2011) CLOTBUST-HF (NIND) (2010-) Bupropion (CCTS) (2010-)
<i>Ph.D. Examiner</i>	Annamalai University, India (2009) Monash University, Australia (2012)
<i>Award Reviewer</i>	Science Awards, Shaanxi Province, China (2009)
<i>NIH Grant Reviewer</i>	Challenge Grants Panel 29 (2009) NIAID, ZAI1-RRS-I-C1 (2010)
<i>Evaluator</i>	China Medical Board Distinguished Professorship (2010) China Changjiang Professorship (2015, 2016)

Peer Review Activities(Continued):

Journals: ACS Sustainable Chemistry & Engineering (2017-)
Advances and Applications in Statistics (2001-)
African Journal of Agricultural Research (2011-)
American Journal of Epidemiology (1997-)
Annales de L' I. S. U. P. (2000-)
Annals of Applied Statistics (2012-)
Annals of Epidemiology (2006-)
Archives of Ophthalmology (2009-2013)
Asia-Pacific Journal of Public Health (2011-)
Bioinformatics (2017-)
Biometrics (2004-)
BMC Public Health (2004-)
BMC Environmental Health (2007-)
BMC Medical Research Methodology (2018-)
Bulletin of the World Health Organization (2004-)
Children Health and Human Development (2010-)
Chronobiology International (2000-)
Clinical Gastroenterology and Hepatology (2012-)
Communications in Statistics - Theory and Methods (1997-)
Communications in Statistics - Simulation and Computation (2007-)
Computers and Mathematics with Applications (2001-)
Contemporary Clinical Trials (2010-)
Control Theory & Applications (Chinese, 2011-)
Discrete Dynamics in Nature and Society (2012-)
Ecology and Society (2004-)
Evaluation and Program Planning (2008-)
Expert Review of Pharmacoeconomics and Outcomes Research (2006-)
Far East Journal of Theoretical Statistics (2004-)
Genetics (2003-)
Head and Neck (2016-)
Health Services Research (2018-)
IEEE Transactions on Circuits and Systems (1996-)

Peer Review Activities(Continued):

Journals: Information Sciences (2000–)
International Journal for Numerical Methods in Engineering (2003–)
International Journal for Equity in Health Research (2008–)
International Journal for Equity in Health (2015–)
International Journal of Environmental Research and Public Health (2013–)
International Journal of Bifurcation and Chaos (1996–)
International Journal of Health Geographics (2007–)
International Journal of Public Health (2016–)
JAMA Ophthalmology (2013–)
Journal of Acquired Immune Deficiency Syndrome (2009–)
Journal of Aging and Health (2010–)
Journal of Applied Mathematics (2014–)
Journal of Applied Statistics (2008–)
Journal of Biopharmaceutical Statistics (2017–)
Journal of Cardiology and Vascular Medicine (2014–)
Journal of Environmental Management (2008–)
Journal of Happiness Studies (2007–)
Journal of Population Research (2010–)
Journal of Pharmacological & Biomedical Analysis (2013–)
Mathematical and Computer Modelling (1996–)
Mathematical Problems in Engineering (2014–)
Model Assisted Statistics and Applications (2012–)
Physics Letter A (2004–)
Neurology (2018–)
Pharmaceutical Statistics (2012–)
Paediatric and Perinatal Epidemiology (2018–)
Population Studies (2007–)
Risk Analysis (2003–)
Scandinavian Journal of Public Health (2017–)
Southern Medical Journal (2008–)
SpringerPlus (2016–)
Statistical Papers (2011–)
Statistics and Computing (2002–)
Statistics in Biopharmaceutical Research (2015–)
Urban Ecosystems (2013–)
Water Research (2008–)

Current and Prior Research:

Funded Research:

- Co-investigator NIH funded project (U01): “Cardiovascular Cell Therapy Research Network Coordinating Center (II)” PI: Lemual A. Moye, UT School of Public Health, Houston, TX. (15% FTE, 03/12-03/19, \$16,000,000).
- Co-investigator Sanofi-Aventis funded Project “FLuctuATion reduction with inSulin and Glp-1 Added together (FLAT-SUGAR)” PI: Barry Davis, UT School of Public Health, Houston, TX. (10%, 10/11–10/15, \$902,117).
- Co-investigator CPRIT Project “Data Science and Informatics Core for Cancer Research” PI: Wenjin Zheng, UT School of Biomedical Informatics, Houston, TX. (5%, 9/17–, \$).
- Co-investigator NIH funded project (N01): “Post-trial Follow-up of ALLHAT Participants” PI: Barry Davis, UT School of Public Health, Houston, TX. (10%, 1/13–6/16, \$3,000,000).
- PI (Statistics Core) Weatherhead Foundation (UT Medical School, Dr. Gould) funded project: “Century Health Study.” (30% FTE, 3/13–, \$500,000).
- Co-investigator NIH funded project (R21): “Tracking Air Pollutants and Newborn Health in Houston, Texas” PI: Elaine Symanski, UT School of Public Health, TX (15% FTE, 12/09–12/11, \$500,000).
- Co-investigator EPA funded project: “Analytical Strategies for Assessing Cumulative Effects of Chemical and Nonchemical Stressors.” PI: Stephen H. Linder, UT School of Public Health, TX (10% FTE, 09/10–10/12, \$537,030).
- Co-investigator NIH funded project (U01): “Cardiovascular Cell Therapy Research Network Coordinating Center” PI: Lemual A. Moye, UT School of Public Health, Houston, TX. (30% FTE, 01/07-02/12, \$17,882,096).
- PI, Herman Foundation (UT Medical School, Dr. Smalling) funded project: “Data Coordinating Center for PATCAR/STEMI Registry.” (10% FTE, 9/08-12/10, \$240,000).

Current and Prior Research(Continued):

- Co-investigator NIH funded project (Supplementary to U01): “A hybrid method in combining effects from matched and unmatched studies” PI: Robert J. Hardy, UT School of Public Health, Houston, TX. (30% FTE, 09/09-09/10, \$290,035, proposal writer).
- Co-investigator NIH funded project (UL1): “Center for Clinical and Translational Sciences (CCTS)” PI: McPherson, UT Health Science Center at Houston (10% FTE, 3/09-8/09, \$4,428,094).
- Co-investigator NIH funded project (R01): “Bovine lactoferrin for prevention of diarrhea in children” PI: Tom Cleary, UT School of Public Health (10% FTE, 1/08–12/12, \$1,246,771).
- Co-investigator NIH grant proposal (R03): “Hazardous Air Pollutants and Lymphohematopietic Cancer Incidence in Houston” PI: Elaine Symanski, UT School of Public Health, TX (3.5% FTE, 12/07–12/10, \$148,500).
- Co-investigator NIH funded project (R01): “An HB Vaccine Model For HIV Vaccine Trials in Drug Users.” PI: Lu-yu Hwang, UT School of Public Health, Houston, TX. (10% FTE, 9/06–2/08, \$3,397,721).
- Co-investigator US Army grant: “Texas Training & Technology Against Trauma and Terrorism.” PI: S.Ward Casscells, UT Medical School, Houston, TX. (15% FTE, 11/06–9/07, \$16,227,648).
- Co-investigator Leland Center funded project: “Association between Exposures to Oxygenated Air Toxics and Asthma: An Exposure and Health Effects Study of Houston Area School Children.” PI: George L. Delclos, UT School of Public Health, Houston, TX. (5% FTE, 9/01–2/06, \$320,871).
- Co-investigator NIOSH funded project (R01): “A Validated Asthma Questionnaire for Healthcare Workers.” PI: George L. Delclos, UT School of Public Health, Houston, TX. (5% FTE, 10/01–10/05, \$495,915).
- Co-investigator NIH funded project (R03): “Blood Pressure and Stimulant Medication in Children.” PI: Jonathan Sorof, UT Medical School, Houston, TX. (10% FTE, 01/02–01/04, \$100,000).
- Co-investigator NIH funded project (K23): “End-Organ Injury in Hypertensive Children.” PI: Jonathan Sorof, UT Medical School, Houston, TX. (10% FTE, 01/01–12/05, \$706,309).

Current and Prior Research(Continued):

- Consultant McDonald Foundation funded project: “Use of Body Temperature Decrease in CHF Hamsters as a Predictor for Timing of Additional Medical Intervention” PI: Amany H. Ahmed , Texas Heart Institute, TX. (05/08–05/09)
- Consultant Division of Immunology and Organ Transplantation, Department of Surgery, UT Medical School. PI: Barry D. Kahan. (25% FTE, 10/01–05/03).
- Consultant Texas Heart Institute, Department of Cardiology. PI: James Michael Wilson. (10% FTE, 3/08–12/08).
- Co-investigator NIH funded project (R01): “Oxygen Saturation Monitoring in Neonates.” PI: Shyang Yun Pamela Koong Shiao, Department of Target Populations, UT School of Nursing, Houston, TX. (2% FTE, 9/01–1/03, \$1,739,703).
- Co-investigator NIH funded project (R01): “Magnetic Resonance of Multiple Sclerosis.” PI: Ponnada Narayana, Department of Radiology, UT Medical School, Houston, TX. (10% FTE, 4/97–3/02, \$1,812,404).
- PI, Visual Numerics (IMSL) funded project: “Nonlinear Time Series (GARCH) Modeling.” (20% FTE, 2/98–1/99, \$17,544).
- Co-investigator, NIH funded project (R01): “Serial Magnetic Resonance in Multiple Sclerosis.” PI: Ponnada Narayana, Department of Radiology, UT Medical School, Houston, TX. (10% FTE, 4/96–3/97).
- Training Grant:*
- Co-investigator NIH (FIC) Training grant: “Center for International Training and Research (CITAR)” PI: Palmer Beasley (0% FTE, 9/06–8/11, \$1,415,075).
- Co-investigator NIH (NIGMS) Training grant: “Training Program in Biostatistics” PI: Barry R. Davis (0% FTE, 9/06–8/11, \$2,200,000).

Current and Prior Research(Continued):

Other Projects:

- PI Texas Heart Institute funded project: “Statistical Analysis of Body Temperature and Survival of TO-2 Hamster” (0% FTE, 12/07-12/08)
- PI WHO/PAHO funded project: “Statistical Analysis of US-Mexico Border Diabetes Survey” (0% FTE, 9/05-12/07)
- Co-PI (Mentor) National Science Foundation of China (NSFC): “Spatial Statistical Analysis of Maternal and Child Health in Western China” PI: Yuxue Bi, Xian Jiaotong University, China (0% FTE, 1/08-12/10).
- Co-investigator National Science Foundation of China (NSFC): “Multiscale Causal Inference” PI: Haiyun Xu, Jiangxi University of Finance and Economics, China (0% FTE, 9/11-12/14).
- Co-investigator Ministry of Education of China: “Multiscale Co-integration of Stock Markets” PI: Wenrong Pan, Jiangxi University of Finance and Economics, China (0% FTE, 9/11-12/14).

Research Positions:

- Research Associate, “Statistical Techniques Related to Modeling Global Climate Change.” Department of Statistical Science, Southern Methodist University. Dallas, TX 6/94-7/94.
- Research Associate, “Statistical Techniques Related to Detecting Underground Nuclear Explosions.” Department of Statistical Science, Southern Methodist University. Dallas, TX 6/94-7/94.

Other Research:

- Co-PI “Population Projections of Jiangxi Province.” Jiangxi Provincial Statistical Bureau. Nanchang, China. 1983-1987.
- Co-PI “County Level Life Tables.” Jiangxi Provincial Statistical Bureau. Nanchang, China. 1984-1986.
- Participant, “World Fertility Survey (China).” State Statistical Bureau of China and International Statistical Institute. 1985-1986.
- Participant, “1982 Population Census of China.” State Statistical Bureau of China. 1982-1987.

Other Activities:

The University of Texas Health Science Center at Houston

Member of Tenure and Promotion Committee (2014-2015)

Member of Inter-Faculty Council (2013-2016)

Member of the Committee for Computational Biomedicine Initiative (2000-2001)

Member of Center for Computational Biomedicine (2001-)

The University of Texas School of Public Health

Advisor and Committee Member for Master and Doctoral Students

Member (1994-)/Coordinator (1999-2000) of the International and Family Health
Admissions Committee

Member of the Peer Review Committee (1996, 2000, 2010)

Member (1997-)/Coordinator (2001-2003, 2005, 2015-) of the Biostatistics
Admissions Committee

Member of the Search Committee for five Biometry Faculty Positions (1998-2004)

Member of the Search Committee for the Biostatistics Director (2006-2008)

Member of the Search Committee for Demography Faculty (2005-2006)

Member of Faculty Council (2004-2006, 2009-2011, alternative 2016-)

Member of Academic Council (2006-2008)

Member of Global Health Studies Task Force (2004-)

Member of Six Year Review Committee (2004, 2011)

Member of Committee on Faculty Diversity (2011-2014)

Member of the Search Committee for the Director of Student and Alumni Affairs (2001)

Member of the Student Research Funds Review Committee (2002-2004)

Member of the Excellence of Teaching Committee (2011-)

The UTHealth, Center for Clinical and Translational Sciences

Member of Data and Safety Monitoring Boards (2009-2010)

The UTHealth, School of Nursing

Member of the Scientific Committee, Center for Real-time Bio-physiologic Responses
in Health and Illness (2000-2001)

Member of the Search Committee for a Biostatistician (2000-2001).

UTHealth, School of Biomedical Information Sciences

Member of the Search Committee for two Computational Biomedicine Faculty Positions (2001)

Member of the Tenure and Promotion Committee (2014-)

UTHealth, Medical School

Interviewer of Search Committee for Pediatrics Faculty (2003)

Other Activities (Continued):

City University of Hong Kong

Associate Member, Centre for Chaos Control and Synchronization (2000-)

American Joint Statistical Meetings, 2003, San Francisco

Session (#300) Chair

First International Conference on Frontiers in Biomedical and Environmental Health Sciences: from Molecular and Systems Biology to Human Diseases, 2006, Wuhan, China

Member of Organizing Committee

2010 International Workshop on Chaos-Fractal Theory and its Applications, Kunming, China

Member of Program Committee

Panelist, Texas and China Business Summit, Houston, Texas (2010)

Computer Skills:

Working knowledge of Windows, UNIX; S-Plus/R, SAS/SUDAAN, MATLAB, EXCEL
STATA and FORTRAN, C, PASCAL, BASIC.

IMSL developer (1998-1999)

Computer Software:

Lai D: IMSL Subroutines for Generalized Autoregressive Conditional Heteroskedastic (GARCH) Models. The subroutines and the documentation are released in C and Fortran version of the IMSL library (3/99), in JMSL (IMSL Technology for JAVA Programmers) (3/02), PV-WAVE (Visual Data Analysis) (6/04) and TS-WAVE (Advanced Time Series Analysis) (6/04).

Lai D : Statistical Programs for Marketing Research. These programs were written for the Savitz (Marketing) Research Center (3/94).

Short Courses Taught:

- January 2004 Data, Models and Decisions at Lingnan College, Sun Yat-Sen University, Guangzhou, China.
- June 2004 Statistics and Its Applications at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.
- December 2004 Introduction to Categorical Data Analysis at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.
- June 2005 Spatial Statistics at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.
- June 2006 Spatial Statistics at School of Public Health, Xian Jiaotong University, Xian, China.
- June 2006 Nonparametric Statistics at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.
- April 2007 Introduction to Biostatistics, Jiangxi University of Finance and Economics, Nanchang, China.
- August 2007 Introduction to Biostatistics, HIV/AIDS Prevention Workshop, Ho Chi-Minh City, Vietnam.
- June 2008 Sampling Techniques at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.
- November 2009 Introduction to Time Series Analysis, Jiangxi University of Finance and Economics, Nanchang, China.
- April 2010 Nonparametric Statistics at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.
- June 2011 Statistical Methods at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.
- June 2012 Statistical Methods at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.
- June 2013 Spatial Statistics at Faculty of Statistics, Jiangxi University of Finance and Economics, Nanchang, China.

Seminars Organized:

Spring 2012 PH1998, Current Issues in Biostatistics (Seminar), 100% responsibility
Fall 2011 PH1998, Current Issues in Biostatistics (Seminar), 100% responsibility
Spring 2010 PH1998, Current Issues in Biostatistics (Seminar), 100% responsibility
Spring 2008 PH1998, Current Issues in Biostatistics (Seminar), 100% responsibility
Fall 2007 PH1998, Current Issues in Biostatistics (Seminar), 100% responsibility
Spring 2006 PH1998, Current Issues in Biostatistics (Seminar), 80% responsibility
Fall 2005 PH1998, Current Issues in Biostatistics (Seminar), 60% responsibility
Spring 2004 PH1998, Current Issues in Biometry (Seminar), 100% responsibility
Fall 2003 PH1998, Current Issues in Biometry (Seminar), 30% responsibility
Spring 2003 PH1998, Current Issues in Biometry (Seminar), 10% responsibility
Fall 2002 PH1998, Current Issues in Biometry (Seminar), 10% responsibility
Spring 2002 PH1998, Current Issues in Biometry (Seminar), 100% responsibility
Fall 2001 PH1998, Current Issues in Biometry (Seminar), 10% responsibility
Spring 2000 PH1998, Current Issues in Biometry (Seminar), 100% responsibility
Fall 1999 PH1998, Current Issues in Biometry (Seminar), 50% responsibility
Spring 1999 PH1998, Current Issues in Biometry (Seminar), 50% responsibility
Fall 1998 PH1998, Current Issues in Biometry (Seminar), 50% responsibility

Courses Taught:

Fall 2018	PH1885	Linear Models, 100% responsibility
Fall 2018	PH1999	Individual Studies in Biostatistics
Fall 2018	PH9999	Dissertation Research
Summer 2018	PH1999	Individual Studies in Biostatistics
Summer 2018	PH9998	Thesis Research
Spring 2018	PH9999	Dissertation Research
Spring 2018	PH9998	Thesis Research
Spring 2018	PH1999	Individual Studies in Biostatistics
Fall 2017	PH1885	Distribution-Free Methods, 100% responsibility
Fall 2017	PH1999	Individual Studies in Biostatistics
Fall 2017	PH9999	Dissertation Research
Summer 2017	PH1999	Individual Studies in Biostatistics
Summer 2017	PH9998	Thesis Research
Spring 2017	PH9999	Dissertation Research
Spring 2017	PH9998	Thesis Research
Spring 2017	PH1999	Individual Studies in Biostatistics
Fall 2016	PH1998	Introduction to Spatial Statistics, 100% responsibility
Fall 2016	PH1999	Individual Studies in Biostatistics
Fall 2016	PH9999	Dissertation Research
Fall 2016	PH9997	Practicum
Summer 2016	PH1999	Individual Studies in Biostatistics
Summer 2016	PH9998	Thesis Research
Summer 2016	PH9997	Practicum
Spring 2016	PH9997	Practicum
Spring 2016	PH9999	Dissertation Research
Spring 2016	PH9998	Thesis Research
Spring 2016	PH1999	Individual Studies in Biostatistics
Fall 2015	PH1855	Distribution Free Methods, 100% responsibility
Fall 2015	PH1999	Individual Studies in Biostatistics
Fall 2015	PH9999	Dissertation Research
Fall 2015	PH9998	Thesis Research
Summer 2015	PH9997	Practicum
Summer 2015	PH9998	Thesis Research
Spring 2015	PH9999	Dissertation Research
Spring 2015	PH9998	Thesis Research
Spring 2015	PH1999	Individual Studies in Biostatistics

Courses Taught(Continued):

Fall 2014	PH1960	Time Series Analysis, 100% responsibility
Fall 2014	PH9997	Practicum
Fall 2014	PH9999	Dissertation Research
Fall 2014	PH9998	Thesis Research
Fall 2014	PH1999	Individual Studies in Biostatistics
Summer 2014	PH9998	Thesis Research
Summer 2014	PH9999	Dissertation Research
Spring 2014	PH9998	Thesis Research
Spring 2014	PH9999	Dissertation Research
Spring 2014	PH1999	Individual Studies in Biostatistics
Fall 2013	PH1998	Spatial Statistics, 100% responsibility
Fall 2013	PH9998	Thesis Research
Fall 2013	PH9999	Dissertation Research
Fall 2013	PH1999	Individual Studies in Biostatistics
Summer 2013	PH9998	Thesis Research
Summer 2013	PH9999	Dissertation Research
Spring 2013	PH1855	Distribution-Free Methods, 100% responsibility
Spring 2013	PH9998	Thesis Research
Spring 2013	PH9999	Dissertation Research
Spring 2013	PH1999	Individual Studies in Biostatistics
Fall 2012	PH1915	Linear Models, 100% responsibility
Fall 2012	PH9998	Thesis Research
Fall 2012	PH9999	Dissertation Research
Fall 2012	PH1999	Individual Studies in Biostatistics
Summer 2012	PH9998	Thesis Research
Spring 2012	PH1831	Survival Analysis, 100% responsibility
Spring 2012	PH9998	Thesis Research
Spring 2012	PH9999	Dissertation Research
Spring 2012	PH1999	Individual Studies in Biostatistics
Fall 2011	PH1915	Linear Models, 100% responsibility
Fall 2011	PH9998	Thesis Research
Fall 2011	PH9999	Dissertation Research
Fall 2011	PH1999	Individual Studies in Biostatistics
Summer 2011	PH9998	Thesis Research
Summer 2011	PH9999	Dissertation Research
Spring 2011	PH1998	Spatial Statistics, 100% responsibility
Spring 2011	PH9998	Thesis Research
Spring 2011	PH9999	Dissertation Research
Spring 2011	PH1999	Individual Studies in Biostatistics

Courses Taught(Continued):

Fall 2010	PH1915	Linear Models, 100% responsibility
Fall 2010	PH9998	Thesis Research
Fall 2010	PH9999	Dissertation Research
Fall 2010	PH1999	Individual Studies in Biostatistics
Summer 2010	PH9998	Thesis Research
Summer 2010	PH9999	Dissertation Research
Summer 2010	PH9997	Practicum
Spring 2010	PH1855	Distribution-Free Methods, 100% responsibility
Spring 2010	PH1998	Introduction to Computational Systems Biology, 25% responsibility
Spring 2010	PH9999	Dissertation Research
Fall 2009	PH1960	Time Series Analysis, 100% responsibility
Fall 2009	PH9998	Thesis Research
Fall 2009	PH9999	Dissertation Research
Fall 2009	PH1999	Individual Studies in Biostatistics
Summer 2009	PH9998	Thesis Research
Summer 2009	PH9999	Dissertation Research
Spring 2009	PH1998	Applied Multivariate Analysis, 100% responsibility
Spring 2009	PH9998	Thesis Research
Spring 2009	PH9999	Dissertation Research
Spring 2009	PH9997	Practicum
Spring 2009	PH1999	Individual Studies in Biostatistics
Fall 2008	PH1885	Distribution-Free Methods, 100% responsibility
Fall 2008	PH9998	Thesis Research
Fall 2008	PH9999	Dissertation Research
Summer 2008	PH9998	Thesis Research
Summer 2008	PH9999	Dissertation Research
Summer 2008	PH1999	Individual Studies in Biostatistics
Spring 2008	PH1745	Sampling Techniques, 100% responsibility
Spring 2008	PH1998	Introduction to Computational Systems Biology, 30% responsibility
Spring 2008	PH9997	Practicum
Spring 2008	PH9999	Dissertation Research
Spring 2008	PH1999	Individual Studies in Biostatistics
Fall 2007	PH1960	Time Series Analysis, 100% responsibility
Fall 2007	PH9999	Dissertation Research
Summer 2007	PH9998	Thesis Research
Summer 2007	PH9999	Dissertation Research
Spring 2007	PH1911	Statistical Theory of Biostatistics II, 100% responsibility
Spring 2007	PH1831	Survival Analysis, 25% responsibility (Primary Instructor)
Spring 2007	PH9998	Thesis Research
Spring 2007	PH9999	Dissertation Research

Courses Taught(Continued):

Fall 2006	PH1910	Statistical Theory of Biostatistics I, 100% responsibility
Fall 2006	PH1999	Individual Studies in Biostatistics
Fall 2006	PH9998	Thesis Research
Fall 2006	PH9999	Dissertation Research
Fall 2006	PH9997	Practicum in Public Health
Fall 2006	PH1725	Intermediate Biometrical Methods I, guest lecturer (1 × 2 hrs)
Summer 2006	PH9998	Thesis Research
Summer 2006	PH9999	Dissertation Research
Spring 2006	PH1885	Distribution-Free Methods, 100% responsibility
Spring 2006	PH1998	Introduction to Computational Systems Biology, 25% responsibility
Spring 2006	PH1999	Individual Studies in Biostatistics
Spring 2006	PH5999	Individual Studies in International and Family Health
Spring 2006	PH9998	Thesis Research
Spring 2006	PH9999	Dissertation Research
Spring 2006	PH9997	Practicum in Public Health
Fall 2005	PH1960	Time Series Analysis, 100% responsibility
Fall 2005	PH1999	Individual Studies in Biostatistics
Fall 2005	PH9998	Thesis Research
Fall 2005	PH9997	Practicum in Public Health
Summer 2005	PH9997	Practicum in Public Health
Summer 2005	PH9998	Thesis Research
Spring 2005	PH1998	Introduction to Spatial Statistics, 100% responsibility
Spring 2005	PH1999	Individual Studies in Biostatistics
Spring 2005	PH5999	Individual Studies in International and Family Health
Spring 2005	PH9998	Thesis Research
Spring 2005	PH9999	Dissertation Research
Fall 2004	PH1920	Categorical Data Analysis, 100% responsibility
Fall 2004	PH9999	Dissertation Research
Fall 2004	PH9998	Thesis Research
Fall 2004	PH1999	Individual Studies in Biometry
Fall 2004	PH9997	Practicum in Public Health
Fall 2004	PH1610	Introduction to Biostatistics, guest lecturer (1 × 2 hrs)
Summer 2004	PH5999	Individual Studies in Biometry
Summer 2004	PH9997	Practicum in Public Health
Summer 2004	PH9998	Thesis Research
Summer 2004	PH9999	Dissertation Research
Spring 2004	PH1855	Distribution-Free Statistical Methods, 100% responsibility
Spring 2004	PH9998	Thesis Research
Spring 2004	PH9999	Dissertation Research

Courses Taught(Continued):

Fall 2003	PH1960	Time Series Analysis, 100% responsibility
Fall 2003	PH1610	Introduction to Biostatistics, guest lecturer (1 × 2 hrs)
Fall 2003	PH9997	Practicum in Public Health
Fall 2003	PH9998	Thesis Research
Fall 2003	PH9999	Dissertation Research
Summer 2003	PH5999	Individual Studies in Biometry
Summer 2003	PH9998	Thesis Research
Spring 2003	Ph1998	Introduction to Spatial Statistics, 100% responsibility
Spring 2003	PH1999	Individual Studies in Biometry
Spring 2003	PH9998	Thesis Research
Spring 2003	PH9997	Practicum in Public Health
Spring 2003	PH9999	Dissertation Research
Fall 2002	PH1920	Categorical Data Analysis, 90% responsibility
Fall 2002	PH5999	Individual Studies in Biometry
Fall 2002	PH9998	Thesis Research
Fall 2002	PH9997	Practicum in Public Health
Summer 2002	PH1999	Individual Studies in Biometry
Summer 2002	PH9998	Thesis Research
Spring 2002	PH1855	Distribution-Free Statistical Methods, 100% responsibility
Spring 2002	PH9999	Dissertation Research
Spring 2002	PH9998	Thesis Research
Spring 2002	PH5999	Individual Studies in Biometry
Spring 2002	PH9997	Practicum in Public Health
Fall 2001	PH1960	Time Series Analysis, 100% responsibility
Fall 2001	PH9997	Practicum in Public Health
Fall 2001	PH9999	Dissertation Research
Fall 2001	PH9998	Thesis Research
Fall 2001	PH5999	Individual Studies in Biometry
Summer 2001	PH1999	Individual Studies in Biometry
Summer 2001	PH9999	Dissertation Research
Spring 2001	PH1821	Applied Statistical Methods II, 100% responsibility
Spring 2001	PH9999	Dissertation Research
Spring 2001	PH9998	Thesis Research
Spring 2001	PH1999	Individual Studies in Biometry
Spring 2001	PH5999	Individual Studies in International and Family Health

Courses Taught(Continued):

Fall 2000	PH1998	Introduction to Spatial Statistics, 100% responsibility
Fall 2000	PH1610	Introduction to Biometry, guest lecturer (1 × 2 hrs)
Fall 2000	PH9997	Practicum in Public Health
Fall 2000	PH9999	Dissertation Research
Fall 2000	PH9998	Thesis Research
Summer 2000	PH5999	Individual Studies in Biometry
Summer 2000	PH9997	Practicum in Public Health
Summer 2000	PH9999	Dissertation Research
Summer 2000	PH9998	Thesis Research
Spring 2000	PH1855	Distribution-Free Statistical Methods, 100% responsibility
Spring 2000	PH1725	Intermediate Biometrical Methods I, guest lecturer (3 × 2 hrs)
Spring 2000	PH1726	Intermediate Biometrical Methods II, guest lecturer (1 × 2 hrs)
Spring 2000	PH1999	Individual Studies in Biometry
Spring 2000	PH9998	Thesis Research
Fall 1999	PH1960	Time Series Analysis, 100% responsibility
Fall 1999	PH9997	Practicum in Public Health
Fall 1999	PH9998	Thesis Research
Summer 1999	PH9997	Practicum in Public Health
Spring 1999	PH1998	Design of Experiments, 100% responsibility
Spring 1999	PH1911	Statistical Theory of Biometry II, guest lecturer (5 × 2 hrs)
Spring 1999	PH5999	Individual Studies in International and Family Health
Spring 1999	PH1999	Individual Studies in Biometry
Spring 1999	PH9997	Practicum in Public Health
Spring 1999	PH9998	Thesis Research
Fall 1998	PH1725	Intermediate Biometrical Methods I, 50% responsibility
Fall 1998	PH1999	Individual Studies in Biometry
Fall 1998	PH5999	Individual Studies in International and Family Health
Fall 1998	PH1960	Time Series Analysis, 100% responsibility
Summer 1998	PH5999	Individual Studies in International and Family Health
Spring 1998	PH1855	Distribution-Free Statistical Methods, 100% responsibility
Spring 1998	PH1726	Intermediate Biometrical Methods II, guest lecturer (1 × 2 hrs)
Spring 1998	PH5999	Individual Studies in International and Family Health

Courses Taught(Continued):

Fall 1997	PH1998	Design of Experiments, 80% responsibility
Spring 1997	PH1960	Time Series Analysis, 100% responsibility
Spring 1997	PH1860	Bioassay, guest lecturer (4 × 1.5 hrs)
Spring 1997	PH1726	Intermediate Biometrical Methods II, guest lecturer (4 × 2 hrs)
Spring 1997	PH1999	Individual Studies in Biometry
Spring 1997	PH5999	Individual Studies in International and Family Health
Fall 1996	PH1998	Design of Experiments, 50% responsibility
Fall 1996	PH1999	Individual Studies in Biometry
Summer 1996	PH1999	Individual Studies in Biometry
Summer 1996	PH9997	Practicum in Public Health
Spring 1996	PH1726	Intermediate Biometrical Methods II, 100% responsibility
Spring 1996	PH1855	Distribution-Free Statistical Methods, 50% responsibility
Fall 1995	PH1725	Intermediate Biometrical Methods I, 50% responsibility
Fall 1995	PH1915	Linear Models I, 50% responsibility
Fall 1995	PH1910	Statistical Theory of Biometry I, guest lecturer (2 × 2 hrs)
Summer 1995	PH1999	Individual Studies in Biometry
Spring 1995	PH1911	Statistical Theory of Biometry II, 50% responsibility
Spring 1995	PH1726	Intermediate Biometrical Methods II, 50% responsibility
Fall 1994	PH1910	Statistical Theory of Biometry I, 50% responsibility
Fall 1994	PH1725	Intermediate Biometrical Methods I, 50% responsibility
(UT Dallas)	Stat2322/4397	Statistical Decision Making, 100% responsibility

Publications:

A. Papers in Refereed Journals:

1. Benjamin RH, Mitchell LE, Canfield MA, Hoyt AT, **Lai D**, Ramadhani TA, Carmichael SA, Case AP, Waller DK for the National Birth Defects Prevention Study: Fish consumption prior to pregnancy and pregnancy outcomes in the National Birth Defects Prevention Study, 1997-2011. *Public Health Nutrition*. 2018, in Press.
2. Akosile1 M, Zhu H, Zhang S, **Lai D**, Johnson NP. Reassessing the effectiveness of right heart catheterization (RHC) in the initial care of critically ill patients using targeted maximum likelihood estimation. *International Journal of Clinical Biostatistics and Biometrics*. 2018, in Press.
3. Gould KL, Johnson NP, Roby AE, Nguyen T, Kirkeeide R, Haynie M, **Lai D**, Zhu HJ, Patel MB, Smalling R, Arain S, Balan P, Nguyen N, Esterera AL, Madjid M, Sdringola SM, Nascimbene A, Loyalka P, Kar B, Gregoricc ID, Safid HJ, McPherson D: Regional Artery Specific Thresholds of Quantitative Myocardial Perfusion by PET Associated with Reduced MI and Death After Revascularization in Stable CAD. *Journal of Nuclear Medicine*. 2018, in Press.
4. Jimenez S, **Lai D**, Gould L, Davis BR: Evaluating the Effects of Treatment Switching with Randomization as an Instrumental Variable in a Randomized Controlled Trial. *Communications in Statistics - Simulation and Computation*, 2017, Vol. 46, 4966-4990.
5. Kitkungvan D, **Lai D**, Zhu HJ, Roby A, Johnson N, Steptoe D, Patel M, Kirkeeide R, Gould KL: Optimal Adenosine Stress For Maximum Stress Perfusion, Coronary Flow Reserve And Pixel Distribution Of Coronary Flow Capacity by The Kolmogorov-Smirnov Analysis. *Circulation: Cardiovascular Imaging*. 2017, Vol. 10, Article e005650.
6. Contreras A, Orozco AF, Resende M, Schutt RC, Traverse JH, Henry TD, **Lai D**, Cooke JP, Bolli R, Cohen ML, MOye LA, Pepine CJ, Yang PC, Perin EC, Yang PC, Willerson JT, Taylor DA, for the Cardiovascular Cell Therapy Research Network (CCTRN). Identification of Cardiovascular Risk Factors Associated with Bone Marrow Cell Subsets in Patients with STEMI: A biorepository evaluation from the CCTRN TIME and LateTIME clinical trials. *Basic Research in Cardiology*. 2017, Vol. 112, No. 3.
7. **Lai D**, Zhang Q, Yamal HM, Einhorn P, Davis BR: Conditional moving linear regression: Modeling the recruitment process for ALLHAT. *Communications in Statistics - Theory and Methods*. 2017, Vol. 46, 8943-8951.
8. Shah DP, Grimes C, **Lai D**, Hwang LY: Hepatitis C Incidence and Spontaneous Viral Clearance in a Cohort of Human Immunodeficiency Virus and Hepatitis B Virus Negative Drug Users. *Annals of Infectious Disease and Epidemiology*. 2017, 2, No. 1014.

9. Perin EC, Murphy, MP, March KL, Bolli R, Loughran J, Yang PC, Leeper NJ, Dalman RL, Alexander J, Henry TD, Traverse JH, Pepine CJ, David Anderson R, Berceli S, Willerson JT, Muthupillai R, Gahremanpour A, Raveendran G, Velasquez O, Hare JM, Schulman IH, Kasi VS, Hiatt WR, Ambale-Venkatesh B, Lima JA, Taylor DA, Resende, M, Gee AP, Durett AG, Bloom J, Richman S, G'Sell P, Williams S, Khan F, Ross EG, Santoso MR, Goldman J, Leach D, Handberg E, Cheong B, Piece N, Difede D, Bruhn-Ding B, Caldwell E, Bettencourt J, **Lai D**, Piller L, Simpson L, Cohen M, Sayre SL, Vojvodic RW, Moy L, Ebert RF, Simari RD, Hirsch AT: Evaluation of Cell Therapy on Exercise Performance and Limb Perfusion in Peripheral Artery Disease: The CCTRN PACE Trial (Patients with Intermittent Claudication Injected with ALDH Bright Cells). *Circulation*, 2017, 135, 1417-1428.
10. Taylor DA, Perin EC, Willerson JT, Zierold C, Resende M, Carlson M, Nestor M, Wise E, Orozco A, Pepine CJ, Henry TD, Ellis SG, Zhao DXM, Traverse JH, Olson RE, Cooke JP, Schutt R, Bhatnagar A, Grant MB, **Lai D**, Johnstone BH, Sayre SL, Moy LA, Ebert RF, Simari RD and Cogle CR for the Cardiovascular Cell Therapy Research Network (CCTRN). Identification of bone marrow cell subpopulations associated with improved outcomes in patients with chronic left ventricular dysfunction: An embedded cohort evaluation of the FOCUS-CCTRN trial. *Cell Transplantation*, 2016, 25, 1675-1687.
11. Sarkar S, Taylor WC, **Lai D**, Shegog R, Paxton RJ. Perceived Health, Sedentary Time, Body Mass index, and Booster Breaks in the Workplace. *International Journal of Sports and Exercise Medicine*. 2016, Vol. 2.
12. Xu L, **Lai D**, Fang Y: Spatial Analysis of Gender Variation in the Prevalence of Hypertension among the Middle-aged and Elderly Population in Zhejiang Province, China. *BMC Public Health*, 2016, Vol. 16, No. 447.
13. Sarkar S, Taylor WC, **Lai D**, Shegog R, Paxton RJ. Social Support for Physical Activity: Comparison of Family, Friends, and Coworkers. *Work: A Journal of Prevention, Assessment & Rehabilitation*. 2016, Vol. 55, 893-899.
14. Symanski E, Lewis PGT, Chen TY, Chan W, **Lai D**, Ma XM: Air Toxics and Early Childhood Acute Lymphocytic Leukemia in Texas, A Population Based Case Control Study. 2016, Environmental Health: A Global Access Science Source. 2016, Vol. 15, No. 70
15. Nguyen AT, Tsai CL, Hwang LY, **Lai D**, Markham C, Patel B. Obesity and Sepsis Mortality, Length of Stay and Hospital Cost: A Nation-wide Inpatient Sample Retrospective Cohort Study. *Plos One*. 2016, Vol. 11(4), e0154599.

16. Probstfield JL, Hirsch IB, Davis BR, Ahmann AA, Bergenstal RR, Gilbert MM, Kingry CC, Khakpour DD, **Lai D**, Pressel SL, Branch KR, Riddle M M, O'Brien KD: Glucose Variability in a 26-week Randomized Comparison of Mealtime Treatment with Rapid-acting Insulin versus GLP-1 Agonist in Participants with Type 2 Diabetes at High Cardiovascular Risk. *Diabetes Care*, 2016, Vol. 39, 973-981.
17. Luo SH, Yan F, **Lai D**, Wu W, Lu F: Using ARIMA Model to Fit and Predict Index of Stock Price Based on Wavelet De-Noiseing. *International Journal of u- and e- Service, Science and Technology*. 2016, Vol. 9, 317-326.
18. Park K, **Lai D**, Handberg EM, Moye L, Perin EC, Pepine CJ, Anderson RD for the Cardiovascular Cell Therapy Research Network (CCTRN). Association between Unipolar Voltage Assessed by Endomyocardial Mapping and Left Ventricular Functional Changes over Time among Patients with Ischemic Cardiomyopathy. *Texas Heart Journal*, 2016, Vol. 43, 291-296.
19. Zhu HJ, **Lai D**, Johnson NP: Agreement between Two Diagnostic Tests when Accounting for Test/Retest Variation: Application to FFR versus iFR. *Journal of Applied Statistics*. 2016, Vol. 43, 1673-1689.
20. Symanski E, McHugh M, Zhang X, Craft E and **Lai D**. Evaluating Narrow Windows of Maternal Exposure to Ozone and Preterm Birth in a Large Urban Area in Southeast Texas. *Journal of Exposure Science and Environmental Epidemiology*. 2016, Vol. 26, 167-172.
21. Zhang Q, **Lai D**, Davis BR: Repeated Confidence Intervals and Prediction Intervals Using Stochastic Curtailment under Fractional Brownian Motion. *Communications in Statistics - Theory and Methods*. 2016, Vol. 45, 4295-4306.
22. Park MJ, **Lai D**, Du XL, Delclos GP and Moye LA: General Linear Models in a Missing Outcome Environment of Clinical Trials Incorporating with Splines for Time-Invariant Continuous Adjustment. *American Journal of Biostatistics*. 2015, Vol. 5, 7-51.
23. Luo SH, Guo F, **Lai D**, Yan F, Tang FL: Multiscale and Fractal Analysis of Silicon Content Time Series Observed in Blast Furnace Hot Metal Using Hurst Exponent Chain. *Fractals*. 2015, Vol. 23 (4), 1-9.
24. Sun M, **Lai D**, Zhang L, Huang X: Modified SuperCurve Method for Analysis of Reverse Phase Protein Array Data. *Journal of Computational Biology*. 2015, Vol. 22, 765-769.
25. Solomon A, Schoenthaler A, Seixas A, Ogedegbe G, Jean-Louis G, **Lai D**: Medication Routines and Adherence among Hypertensive African Americans. *Journal of Clinical Hypertension*. 2015, Vol. 17, 668-672.

26. Yang M, **Lai D**. A Study of Time Trend in Global Infant Mortality Rates: Regression with Autocorrelated Data. *International Journal of Child Health and Human Development*. 2015, Vol. 9, 195-205.
27. The FLAT-SUGAR Trial Investigators. Design of FLAT-SUGAR: Randomized trial of prandial insulin vs. prandial GLP-1 receptor-agonist together with basal insulin and metformin for high-risk type 2 diabetes. *Diabetes Care*. 2015, Vol. 38, 1558-1566.
28. Shah D, Grimes CZ, Nguyen AT, **Lai D**, Hwang LY. Long-term Effectiveness of Accelerated Hepatitis B Vaccination Schedule in Drug Users. *American Journal of Public Health*. 2015, Vol. 105, e36-e43.
29. Schutt RC, Trachtenberg BH, Cooke JP, Traverse JH, Henry TD, Pepine CJ, Willerson JT, Perin EC, Ellis SG, Zhao DXM, Bhatnagar A, Johnstone BH, **Lai D**, Resende M, Ebert RF, Wu JC, Sayre SL, Simari RD, Moye LA, Cogle CR, and Taylor DA for the Cardiovascular Cell Therapy Research Network (CCTRN). Bone Marrow Characteristics Are Associated with Changes in Infarct Size following STEMI: A Biorepository Evaluation from the CCTRN TIME Trial. *Circulation Research*. 2015, Vol. 116, 99-107.
30. Zhang Q, **Lai D**, Davis BR: Stochastically Curtailed Tests under Fractional Brownian Motion. *Communications in Statistics - Theory and Methods*. 2015, Vol. 44, 1053-1064.
31. Wu XH, **Lai D**: Comparison of Statistical Methods for Pretest-Posttest Designs in Terms of Type I Error Probability and Statistical Power. *Communications in Statistics - Simulation and Computation*. 2015, Vol. 44, 284-294.
32. Cogle CR, Wise E, Meacham AM, Zierold C, Traverse JH, Henry TD, Perin EC, Willerson J, Ellis SG, Carlson M, Zhao DXM, Bolli R, Cooke JP, Anwaruddin S, Bhatnagar A, Cabreira-Graca M, Grant MB, **Lai D**, Moye LA, Ebert RF, Olson RE, Sayre SL, Schulman IH, Smith D, Scott EW, Simari RD, Pepine CJ, Taylor DA for the Cardiovascular Cell Therapy Research Network (CCTRN). A Detailed Analysis of Bone Marrow from Patients with Ischemic Heart Disease and Left Ventricular Dysfunction: BM CD34, CD11b and Clonogenic Capacity as Biomarkers for Clinical Outcomes. *Circulation Research*. 2014, Vol. 115, 867-874.
33. Tong L, Ahn C, Symanski E, **Lai D**, Du XL. Relative Impact of Earlier Diagnosis and Improved Treatment on Survival for Colorectal Cancer: A US database Study among Elderly Patients. *Cancer Epidemiology*. 2014, Vol. 38, 733-740.

34. Johnson NP, Toth GG, **Lai D**, Zhu HJ, Agostoni P, Appelman Y, Arslan F, Chen SL, Serafino LD, Dominguez-Franco AJ, Esen OB, Hamilos M, Iwasaki K, Jensen LO, Katritsis DG, Kocaman SA, Koo BK, Lopez-Palop R, Muller O, Nam CW, Puymirat E, Rieber J, Rodes-Cabau J, Sedlis SP, Takeishi Y, Tonino PAL, Van Belle EV, Verna E, Werner GS, Fearon WF, Pijls NHJ, Gould KL, De Bruyne B. Prognostic Value of Fractional Flow Reserve (FFR): Linking Physiologic Severity to Clinical Outcomes. *Journal of the American College of Cardiology*. 2014, Vol. 64, 1641-1654.
35. **Lai D**, Sun WS, Pan WR, Linder S: Application of Principal Component Analysis on Human Development Indicators: Temporal Approach from 1999 to 2010. *International Journal on Disability and Human Development*. 2014, Vol. 13, 97-103.
36. Tong LY, Ahn C, Symanski E, **Lai D**, Du XL: Temporal Trends in the Leading Causes of Death among a Large National Cohort of Patients with Colorectal Cancer from 1975 to 2009 in the United States. *Annals of Epidemiology*. 2014, Vol. 24, 411-417.
37. Tong LY, Ahn C, Symanski E, **Lai D**, Du XL: Effects of Newly Developed Chemotherapy Regimens, Comorbidities, Chemotherapy-related Toxicity on the Changing Patterns of the Leading Causes of Death in Elderly Patients with Colorectal Cancer. *Annals of Oncology*. 2014, Vol. 25, 1234-1242.
38. Noor SWB, Ross MW, **Lai D**, Risser JM: Use of Latent Class Analysis Approach to Describe Drug and Sexual HIV Risk Patterns among Injection Drug Users in Houston, Texas. *AIDS and Behavior*, 2014, Vol. 18, S276-S283.
39. Symanski E, Davila M, Waller DK, Zhang X, **Lai D**: Maternal Exposure to Fine Particulate Pollution During Narrow Gestational Periods and Newborn Health in Harris County, Texas. *Maternal and Child Health Journal*. 2014, Vol. 18, 2003-2012.
40. Noor SWB, Risser JM, **Lai D**, Ross MW: Drug and Sexual HIV Risk Behaviors Related to Knowledge of HIV Serostatus among Injection Drug Users in Houston, Texas. *International Journal of STD & AIDS*. 2014, Vol. 25, 89-95.
41. Li XH, Geng WJ, Tian HD, **Lai D**: Was Mandatory Quarantine Necessary in China for Controlling the Pandemic (H1N1) 2009? *International Journal of Environmental Research and Public Health*. 2013, Vol. 10, 4690-4700.
42. Thamer M, Zhang Y, **Lai D**, Kshirsagar O, Cotter D: Influence of Safety Warnings on ESA Prescribing among Dialysis Patients Using an Interrupted Time Series. *BMC Nephrology*. 2013, Vol. 14, No. 172.

43. Rao X, **Lai D**, Huang X: A New Method for Quantitative Real-Time Polymerase Chain Reaction Data Analysis. *Journal of Computational Biology*. 2013, Vol. 20, 703-711.
44. Byun JY, **Lai D**, Luo S, Risser J, Tung B, Hardy RJ: A Hybrid Method in Combining Treatment Effects from Matched and Unmatched Studies. *Statistics in Medicine*. 2013, Vol. 32, 4924-4937.
45. Cai Y, **Lai D**, Du XL, Waller DK, Burau K, Symanski E: Statistical Analysis of the Day of the Week Effect on Births in Harris County, Texas. *Journal of Biological Systems*. 2013, Vol. 21, 1-8.
46. Wang GD, **Lai D**, Burau K, Du XL: Potential Gains in Life Expectancy from Reducing Heart Disease, Cancer, Alzheimer's Disease, Kidney Disease or HIV/AIDS as Major Causes of Death in the USA. *Public Health*. 2013, Vol. 127, 348-356.
47. Noor SWB, Risser JM, **Lai D**, Ross MW: Clustered Drug and Sexual HIV Risk among a Sample of Middle-aged Injection Drug Users, Houston, Texas. *AIDS Care*. 2013, Vol. 23, 895-903.
48. Quinn GE, Dobson V, Davitt BV, Wallaceb DK, Hardy RJ, Tung B, **Lai D**, Good WV: Progression of Myopia and High Myopia in the Early Treatment for Retinopathy of Prematurity Study: Findings at 4 to 6 Years of Age. *Journal of AAPOS*. 2013, Vol. 17, 124-128.
49. Ochoa TJ, Chea-Woo E, Baiocchi N, Pecho I, Campos M, Prada A, Valdiviezo G, Lluque A, **Lai D**, Cleary TG: Randomized double-blind controlled trial of bovine lactoferrin for prevention of diarrhea in children. *Journal of Pediatrics*. 2013, Vol. 162, 349-356.
50. **Lai D**, Chang KC, Rahbar MH, Moye LA: Optimal Allocation of Sample Sizes in Multi-center Clinical Trials. *Journal of Biopharmaceutical Statistics*. 2013, Vol. 23, 818-828.
51. **Lai D**: Sample Size Determination for Group Sequential Tests under Fractional Brownian Motion. *Electronic Journal of Statistics*. 2013, Vol. 7, 1957-1967.
52. Traverse JH, Henry TD, Pepine CJ, Willerson JT, Zhao XM, Ellis SG, Forder JR, Anderson RD, Hatzopoulos AK, Penn MS, Perin EC, Chambers J, Baran KW, Raveendran R, Lambert C, Lerman A, Simon DI, Vaughan DE, **Lai D**, Gee AP, Taylor DA, Cogle CR, Thomas JD, Olson RE, Bowman S, Francescon J, Geither C, Handberg E, Kappenman C, Westbrook L, Piller LB, Simpson LM, Baraniuk S, Loghin C, Aguilar D, Richman S, Zierold C, Bettencourt J, Sayre SL, Vojvodic RW, Skarlatos SI, Gordon DJ, Ebert RF, Kwak M, Moyé LA, Simari RD for the Cardiovascular Cell Therapy Research Network (CCTRN). Effect of the Use and Timing of Bone Marrow Mononuclear Cell Delivery on Left Ventricular Function After Acute Myocardial Infarction: The TIME Randomized Trial *Journal of the American Medical Association*. 2012, Vol. 308, 2380-2389.

53. **Lai D**, Moye LA, Chang KC, Hardy RJ: Sample Size Re-estimation Based on Two-Stage Analysis of Variance: Interim Analysis of Clinical Trials. *Communications in Statistics-Theory and Methods*. 2012, Vol.41, 4124-4131.
54. Cheng L, Swartz MD, Zhao H, Kapadia AS, **Lai D**, Rowan PJ, Buchholz TA, Giordano SH: Hazard of Recurrence among Women after Primary Breast Cancer Treatment A 10-Year Follow-Up Using Data from SEER-Medicare. *Cancer Epidemiology, Biomarkers and Prevention*. 2012, Vol. 21, 800-809.
55. Perin EC, Willerson TJ, Pepine CJ, Henry TD, Ellis SG, Zhao DXM, Silva GV, **Lai D**, Thomas JD, Kronenberg MW, Martin AD, Anderson D, Taverse JH, Penn MS, Anwaruddin S, Hatzopoulos AK, Gee AP, Taylor DA, Cogle CR, Smith DX, Westbrook L, Handberg E, Olson RE, Geither C, Bowman S, Francescon J, Baraniuk S, Piller LB, Simpson LM, Loghin C, Aguilar D, Richman S, Zierold C, Bettencourt J, Sayre SL, Vojvodic RW, Skarlatos SI, Gordon DJ, Ebert RF, Kwak M, Moy LA, Simari RD for the Cardiovascular Cell Therapy Research Network (CCTRN): Effect of Transendocardial Delivery of Autologous Bone Marrow Mononuclear Cells on Functional Capacity, Left Ventricular Function, and Perfusion in Chronic Ischemic Heart Failure: The FOCUS-CCTRN Trial. *Journal of the American Medical Association*. 2012, Vol. 307, 1717-1726.
56. **Lai D**, Hwang LY, Beasley RP: Compulsory HIV Testing for Exit-Entry to China: Effectiveness, Cost, and Stigma – Policy Update. *Journal of Public Health Policy*. 2012, Vol. 33, 269-272.
57. Tran TQ, Grimes CZ, **Lai D**, Troisi CL, Hwang LY: Effect of Age and Frequency of Injections on Immune Response to Hepatitis B Vaccination in Drug Users. *Vaccine*. 2012, Vol. 30, 342-349.
58. Danca MF, **Lai D**: Parrondo’s Game Model to Find Numerically the Stable Attractors of a Tumor Growth Model. *International Journal of Bifurcation and Chaos*. 2012, Vol. 22(10), 1-8.
59. **Lai D**, Bai AF, Chang KC, Wei HQ, Luo LQ: Nonparametric Analysis of Shenzhen Stock Market: The Day of the Week Effect. *Mathematical and Computer Modelling*. 2012, Vol. 55, 1186-1192.
60. **Lai D**: Spatial and Temporal Statistical Analysis on Chinese Handicapped Population. *International Journal on Disability and Human Development*. 2012, Vol. 11, 39-44.
61. **Lai D**, Hsu CW, Glasser JH: Controlling Influenza A (H1N1) in China: Bayesian or Frequentist Approach. *Asia Pacific Journal of Public Health*. 2012, Vol. 24, 352-260.

62. The Early Treatment for Retinopathy of Prematurity Cooperative Group. Visual Field Extend at Age 6 Years in Children Who Had High-Risk Prethreshold Retinopathy of Prematurity. *Arch Ophthalmol.* 2011, Vol. 32, 127-132.
63. Davitt BV, Quinn GE, Wallace D, Dobson V, Hardy RJ, Tung B, **Lai D**, Good WV on Behalf of Members of the Early Treatment for Retinopathy of Prematurity Cooperative Group: Astigmatism Progression in the Early Treatment for Retinopathy of Prematurity Study to 6 Years of Age. *Ophthalmology.* 2011, Vol. 118, 2326-2329.
64. **Lai D**, Hwang LY, Beasley RP: HIV/AIDS Testing at the Ports of Entry in China. *Journal of Public Health Policy.* 2011, Vol. 32, 251-262. PMID: 21368848.
65. Whitworth KW, Symanski E, **Lai D**, Coker AL: Kriged and Modeled Ambient Air Levels of Benzene in an Urban Environment: An Exposure Assessment Study. *Environmental Health.* 2011, 10:21.
66. Li XH, Tian HD, **Lai D**, Zhang ZB: Validation of the Gravity Model in Predicting the Global Spread of Influenza. *International Journal of Environmental Research and Public Health.* 2011, Vol. 8, 3134-3143.
67. Moye LA, **Lai D**, Jing KJ, Baraniuk S, Kwak MJ, Penn MS, Wu CO for the Cardiovascular Cell Therapy Research Network (CCTRN): Combining Dichotomous and Continuous Data in a U-Statistic: Design and Sample Size Implications for Cell Therapy Research. *International Journal of Biostatistics.* 2011, Vol. 7, Iss. 1, Article 29.
68. Ondo WG, Shinawi L, Davidson A, **Lai D**: Memantine for Non-motor Features of Parkinsons Disease: A Double Blind Placebo Controlled Exploratory Pilot Trial. *Parkinsonism and Related Disorders.* 2011, Vol. 17, 156-159. PMID: 21193343.
69. Zhang Q, **Lai D**: Fractional Brownian Motion and Long-term Clinical Trial Recruitment. *Journal of Statistical Planning and Inference.* 2011, Vol. 141, 1783-1788.
70. **Lai D**: Box-Cox Transformation for Spatial Linear Models: A Study on Lattice Data. *Statistical Papers.* 2010, Vol. 51, 853-864.
71. Hwang LY, Grimes CZ, Tran TQ, Clark A, Xia R, **Lai D**, Troisi C, Williams M: Accelerated Hepatitis B Vaccine Schedule among Drug Users: A Randomized Controlled Trial. *Journal of Infectious Diseases.* 2010, Vol. 202, 1500-1509. PMCID: PMC2957504.

72. Willerson JT, Perin EC, Ellis SG, Pepine CJ, Henry TD, Zhao DXM, **Lai D**, Penn MS, Byrne BJ, Silva G, Gee A, Traverse JH, Hatzopoulos AK, Forder JR, Martin D, Kronenberg K, Taylor DA, Cogle CR, Baraniuk S, Westbrook L, Sayre SL, Vojvodic RW, Gordon DJ, Skarlatos SI, Moye LA, Simari RD for the Cardiovascular Cell Therapy Research Network (CCTRN). Rationale and Design for the Intramyocardial Injection of Autologous Bone Marrow Mononuclear Cells for Patients with Chronic Ischemic Heart Disease and Left Ventricular Dysfunction Trial (FOCUS). *American Heart Journal*. 2010, Vol. 160, 215-223. PMID: PMC2921924.
73. Bi Y, **Lai D**, Yan H: Synthetical Evaluation of Health Promotion Effects of the Health Management Pilot County Project in Western China. *Public Health*. 2010, Vol. 124, 376-391. PMID: 20609869.
74. The Early Treatment for Retinopathy of Prematurity Cooperative Group. Final Visual Acuity Results in the Early Treatment for Retinopathy of Prematurity Study. *Arch Ophthalmol*. 2010, Vol. 128, 663-671. PMID: 20385926.
75. **Lai D**: Group Sequential Tests under Fractional Brownian Motion in Monitoring Clinical Trials. *Statistical Methods and Applications*. 2010, Vol. 19, 277-286.
76. Zhang Q, **Lai D**: Operating Characteristics for Group Sequential Trials Monitored under Fractional Brownian Motion. *Communications in Statistics-Simulation and Computation*. 2010, Vol. 39, 705-712.
77. Williams AL, Sanderson M, **Lai D**, Selwyn BJ, Lasky RE: Intensive Care Noise and Mean Arterial Blood Pressure in Extremely Low Birthweight Neonates. *American Journal of Perinatology*. 2009, Vol. 26, 323-329. PMID: 19085678.
78. **Lai D**: Testing Spatial Randomness Based on Empirical Distribution Function: A Study on Lattice Data. *Journal of Statistical Planning and Inference*. 2009, Vol. 139, 136-142.
79. **Lai D**: A Comparative Study of Handicap-free Life Expectancy of China in 1987 and 2006. *Social Indicators Research*. 2009, Vol. 90, 257-265.
80. Ahmed A, Aboshady I, Munir SM, Brewer A, **Lai D**, Shaik NA, Shankar K, Deswal A and Casscells SW: Falling Body Temperature Predicts Early Rehospitalization in Congestive Heart Failure. *Journal of Cardiac Failure*. 2008, Vol. 14, 489-496. PMID: 18672197.

81. **Lai D**, Huang J, Risser JM, Kapadia AS: Statistical Properties of Generalized Gini Coefficient with Application to Health Inequality Measurement. *Social Indicators Research*. 2008, Vol. 87, 249-258.
82. Garey KW, **Lai D**, Dao-Tran TK, Gentry LO, Hwang LY, Davis BR. Vancomycin Compared to Cefuroxime for Surgical Prophylaxis in Patients Undergoing Cardiac Surgery: An Interrupted Time Series Analysis. *Antimicrobial Agents and Chemotherapy*. 2008, Vol. 52, 446-451. PMID: PMC2224787.
83. Ondo WG, **Lai D**: Predictors of Impulsivity and Reward Seeking Behavior with Dopamine Agonists. *Parkinsonism and Related Disorders*. 2008, Vol. 14, 28-32. PMID: 17702628.
84. Du XL, Fox E, **Lai D**: Competing Causes of Death for Women with Breast Cancer and Change Over Time from 1975 to 2003. *American Journal of Clinical Oncology*. 2008, Vol. 31, 105-116. PMID: PMC2570158.
85. Inchani L, **Lai D**: Association of Educational Level and Child Sex Ratio in Rural and Urban India. *Social Indicators Research*. 2008, Vol. 86, 69-81.
86. **Lai D**, Danca MF: Fractal and Statistical Analysis on Digits of Irrational Numbers. *Chaos, Solitons and Fractals*. 2008, Vol. 36, 246-252.
87. Mun YJ, Chan WY, **Lai D**: A Homogeneous Continuous-Time Markov Chain Approach to Repeated Categorical Measurements: An Application to Laboratory Shift Analyses in Clinical Trials. *JP Journal of Biostatistics*. 2007, Vol. 1, 129-153.
88. Shah AP, Smolensky MH, Burau KD, Cech IM, **Lai D**: Recent Change in the Annual Patterns of Sexually Transmitted Diseases in the United States. *Chronobiology International*. 2007, Vol. 24, 947-960. PMID: 17994348.
89. Jiao L, Chang P, Firozi PF, **Lai D**, Abbruzzese JL, Li D: Polymorphisms of Phase II Xenobiotic Metabolizing and DNA Repair Genes Modulate in Vitro ENU-induced O⁶-ethylguanine Level in Human Lymphocytes. *Mutation Research*. 2007, Vol. 627, 146-157. PMID: PMC1828113.
90. Xun PC, Chen F, Dong C, Qian GH, **Lai D**, Meng JH: A Score Method for Comparison of Partial Genomic Regions in Their Representatives of Full-length Genome of Hepatitis E Virus for Genotyping. *Intervirology*. 2007, Vol. 50, 328-335. PMID: 17687190.

91. **Lai D**: A Nonparametric Statistical Test for Chaos: Cumulative Periodogram under an Order Transformation. *International Journal of Bifurcation and Chaos*. 2007, Vol. 17, 2815-2820.
92. **Lai D**: Quantifying the Dynamics of Chinese Labor Force: A Life Table Approach. *Social Indicators Research*. 2007, Vol. 81, 171-180.
93. **Lai D**, Chen G: Distribution of the Controlled Lyapunov Exponents via Lai-Chen Algorithm. *Computers and Mathematics with Applications*. 2006, Vol. 52, 1649-1656.
94. Shah AP, Smolensky MH, Burau KD, Cech IM, **Lai D**: Seasonality of Primarily Childhood and Young Adult Infectious Diseases in the United States. *Chronobiology International*. 2006, Vol. 23, 1065-1082. PMID: 17050218.
95. Hsu CW, Mas SF, Hickey JM, Miller JA, **Lai D**: Surveillance of the Colorectal Cancer Disparities among Demographic Subgroups in Texas: A Spatial Analysis. *Southern Medical Journal*. 2006, Vol. 99, 949-956. PMID: 17004529.
96. **Lai D**, Tarwater P, Hardy RJ: Measuring Impact of HIV/AIDS, Diseases of Heart and Malignant Neoplasms on Life Expectancy in the United States from 1987 to 2000. *Public Health*. 2006, Vol. 120, 486-492. PMID: 16730037.
97. Sulemana H, Smolensky MH, **Lai D**: Relationship between Physical Activity and Body Mass Index in Adolescents *Medicine and Science in Sports and Exercise*. 2006, Vol. 38, 1182-1186. PMID: 16775561.
98. Delclos GL, Arif AA, Aday LA, Carson AI, **Lai D**, Lusk C, Stock T, Symanski E, Whitehead LW, Benavides FG, Anto JM: A Validated Asthma Questionnaire for Healthcare Workers. *Occupational and Environmental Medicine*. 2006, Vol. 63, 173-179. PMID: 16497858.
99. Ondo WG, **Lai D**: Association between Restless Legs Syndrome and Essential Tremor. *Movement Disorder*. 2006, Vol. 21, 515-518. PMID: 16250022.
100. **Lai D**: Decomposition of Chinese Life Expectancy via Occupation. *Population and Environment*. 2005, Vol.26, 427-438.
101. **Lai D**: A Comparative Study of a Permutation Statistic. *Statistical Methodology*. 2005, Vol. 2, 155-167.

102. **Lai D**, Shiao SYP: Comparing Two Clinical Measurements: A Linear Mixed Model Approach. *Journal of Applied Statistics*. 2005, Vol. 32, 855-860.
103. Kahan BD, Yakupoglu YK, Schoenberg L, Knight RJ, Katz SM, **Lai D**, Van Buren CT: Low Incidence of Malignancy among Sirolimus/Cyclosporine-Treated Renal Transplant Recipients *Transplantation*. 2005, Vol. 80, 749-758. PMID: 16210961.
104. Ondo W, **Lai D**: Olfaction Testing in Patients with Tremor Dominant Parkinson's Disease: Is This a Distinct Condition. *Movement Disorders*. 2005, Vol. 20, 471-475. PMID: 15597336.
105. **Lai D**: Monitoring the SARS Epidemic in China: A Time Series Analysis. *Journal of Data Science*. 2005, Vol. 3, 279-294.
106. Ondo WG, Tintner R, Voung KD, **Lai D**, Ringholz G: A Double-Blind, Placebo-Controlled, Unforced Titration Parallel Trial of Quetiapine for Dopaminergic Induced Hallucinations in Parkinson's Disease. *Movement Disorders*. 2005, Vol. 20, 958-963. PMID: 15800937.
107. **Lai D**, Chen G: Chaotification of Discrete-Time Dynamical Systems: An Extension of Chen-Lai Algorithm. *International Journal of Bifurcation and Chaos*. 2005, Vol. 15, 109-117.
108. **Lai D**: Sex Ratio at Birth and Infant Mortality in China: An Empirical Study. *Social Indicators Research*. 2005, Vol. 70, 313-326.
109. **Lai D**, Hardy RJ: An Update of Impact of HIV/AIDS on Life Expectancy in the United States. *AIDS*. 2004, Vol. 18, 1732-1734. PMID: 15280787.
110. Ondo W, Romanyshyn J, Vuong KD **Lai D**: Long Term Treatment of Restless Legs Syndrome with Dopamine Agonists. *Arch Neurology*. 2004, Vol. 61, 1393-1397. PMID: 15364685.
111. Sorof JM, **Lai D**, Turner J, Poffenbarger T, Portman RJ. Overweight, Ethnicity, and the Prevalence of Hypertension in School-Aged Children. *Pediatrics*. 2004, Vol. 113, 475-482. PMID: 14993537.
112. **Lai D**, Poffenbarger T, Franco K, Portman R, Sorof JM. Relationship between Clinic and Ambulatory Blood Pressure Measurements in the Diagnosis of Hypertension in Children. *Journal of Data Science*. 2004, Vol. 2, 383-397.

113. **Lai D**: Estimating the Hurst Effect and Its Applications in Monitoring Clinical Trials. *Computational Statistics and Data Analysis*. 2004, Vol. 45, 549-562.
114. Shackelford LC, LeBlanc AD, Driscoll TB, Evans HJ, Rianon NJ, Smith SM, Spector E, Feedback DL, **Lai D**: Resistive Exercise as a Countermeasure to Disuse Induced Bone Loss. *Journal of Applied Physiology*. 2004, Vol. 97, 119-129.
115. **Lai D**: Geostatistical Analysis of Chinese Cancer Mortality: Variogram, Kriging and Beyond. *Journal of Data Science*. 2004, Vol. 2, 177-193.
116. **Lai D**, Sharma R, Wolinsky JS, Narayana PA: A Comparative Study of Correlation Coefficients in Spatially MRSI-observed Neurochemicals from Multiple Sclerosis Patients. *Journal of Applied Statistics*. 2003, Vol. 30, 1221-1229.
117. Ondo WG, Sutton L, **Lai D**, Jankovic J: Hearing Impairment in Essential Tremor. *Neurology*. 2003, Vol. 61, 1093-1097. PMID: 14581670.
118. **Lai D**, Chen G: Distribution of the Estimated Lyapunov Exponents from Noisy Chaotic Time Series. *Journal of Time Series Analysis*. 2003, Vol. 24, 705-720.
119. **Lai D**: Principal Component Analysis on Human Development Indicators of China. *Social Indicators Research*. 2003, Vol. 61, 319-330.
120. **Lai D**, Chen G: Making a Discrete Time Dynamic System Chaotic: Theoretical Results and Numerical Simulations. *International Journal of Bifurcation and Chaos*. 2003, Vol. 13, 3437-3442.
121. Sorof JM, Alexandrov AV, Garami Z, Turner JL, Grafe RE, **Lai D**, Portman RJ: Carotid Ultrasound for Detection of Vascular Abnormalities in Hypertensive Children. *Pediatric Nephrology*, 2003, Vol. 18, 1020-1024. PMID: 12883975
122. **Lai D**, Hardy RJ: Measuring the Impact of Hepatitis A Virus in Chinese Cities: A Life Table Approach. *Asia Pacific Journal of Public Health*, 2003, Vol. 15, 94-98. PMID: 15038682.
123. **Lai D**, King T, Moyé LA, Wei Q: Sample Size for Biomarker Studies: More Subjects or More Measurements per Subject? *Annals of Epidemiology*. 2003, Vol. 13, 204-208. PMID: 12604165.

124. Silver SR, Rinsky RA, Cooper SP, Hornung RW, **Lai D**: Effect of Follow-up-time on Risk Estimates: A Longitudinal Examination of Relative Risk for Leukemia and Multiple Myeloma in a Rubber Hydrochloride Cohort. *American Journal of Industrial Medicine*. 2002, Vol. 42, 481-489. PMID: 12439871.
125. LeBlanc AD, Driscoll TB, Schackelford LC, Evans HJ, Rianon NJ, Smith SM, **Lai D**: Alendronate as an Effective Countermeasure to Disuse Induced Bone Loss. *Journal of Musculoskeletal and Neuronal Interactions*. 2002, Vol. 2, 335-343. PMID: 15758425.
126. Hsu CW, **Lai D**, Begley C, Franzini L: The Association between Income and Mortality in Texas and Taiwan-A Comparative Study of Spatial Statistics. *Advances and Applications in Statistics*. 2002, Vol. 2, 149-176.
127. Grimes RM, Otiniano MA, Rodriguez M, **Lai D**: Clinical Experience of HIV Infected Elderly Patients in the Era of Highly Active Antiretroviral Therapy. *Clinical Infectious Diseases*. 2002, Vol. 34, 1530-1533. PMID: 12015701.
128. Xu PY, Liang R, Jankovic J, Hunter C, Zeng YX, Ashizawa T, **Lai D**, Le WD: Association of Homozygous 7048G7049 Variant in Intron 6 of Nurr1 Gene with Parkinson's Disease. *Neurology*. 2002, Vol. 58, 881-884. PMID: 11914402.
129. **Lai D**, Wang X, Wiorowski JJ: Local Asymptotic Normality for Multivariate Nonlinear AR Processes. *Stochastics and Stochastics Reports*. 2002, Vol. 72, 277-287.
130. **Lai D**, Chen G: On Statistical Properties of the Lyapunov Exponent of the Generalized Skew Tent Map. *Stochastic Analysis and Applications*. 2002, Vol. 20, 375-388.
131. **Lai D**, Chen G: Testing Chaos Based on Empirical Distribution Function: A Simulation Study. *Journal of Statistical Computation and Simulation*. 2002, Vol. 72, 77-85.
132. Bickel DR, **Lai D**: Asymptotic Distribution of Time Series Intermittency Estimates: Applications to Economic and Clinical Data. *Computational Statistics and Data Analysis*. 2001, Vol. 37, 419-431.
133. **Lai D**: Testing Chaos of Time Series: Portmanteau Statistics under an Order Transformation. *International Journal of Bifurcation and Chaos*. 2001, Vol. 11, 1761-1769.
134. **Lai D**, Moyé LA, Davis BR, Brown LE, Sacks FM: Brownian Motion and Long-Term Clinical Trial Recruitment. *Journal of Statistical Planning and Inference*. 2001, Vol. 93, 239-246.
135. **Lai D**, Lee L, Lee ES: Effects of Handicap on Life Expectancy: The Case of China. *Public Health*. 2000, Vol. 114, 330-335. PMID: 11035451.

136. **Lai D**, Guo F, Hardy RJ: Standardized Mortality Ratio and Life Expectancy: A Comparative Study of the Chinese Mortality. *International Journal of Epidemiology*. 2000, Vol. 29, 852-855. PMID: 11034968.
137. **Lai D**: Life Table Analysis of Ascariasis in a Rural Community in Jiangxi Province, China. *Southeast Asian Journal of Tropical Medicine and Public Health*. 2000, Vol. 31, 141-143. PMID: 11023082.
138. **Lai D**: Statistical and Fractal Analysis of Chinese Earthquake Time Series. *Fractals*. 2000, Vol. 8, 123-127.
139. **Lai D**, Chen G: Generating Different Statistical Distributions by the Chaotic Skew Tent Map. *International Journal of Bifurcation and Chaos*. 2000, Vol. 10, 1509-1512.
140. Kagawa S, Gu J, Swisher SG, Ji L, Roth JA, **Lai D**, Stephens LC, Fang BL: Antitumor effect of adenovirus-mediated Bax gene transfer on p53-sensitive and p53-resistant cancer lines. *Cancer Research*. 2000, Vol. 60, 1157-1161. PMID: 10728665.
141. **Lai D**: Asymptotic Distribution of the Estimated BDS Statistic from the Residuals of the Location-Scale Type Processes. *Statistics*. 2000, Vol. 34, 117-135.
142. **Lai D**, Davis BR, Hardy RJ: Fractional Brownian Motion and Clinical Trials. *Journal of Applied Statistics*. 2000, Vol. 27, 103-108.
143. **Lai D**, Chen G: Distribution of Controlled Lyapunov Exponents: A Statistical Simulation Study. *Computational Statistics and Data Analysis*. 2000, Vol. 33, 69-77.
144. **Lai D**: Temporal Analysis of the Human Development Indicators: Principal Component Approach. *Social Indicators Research*. 2000, Vol. 51, 331-366.
145. **Lai D**: Asymptotic Distribution of the Estimated BDS Statistic and Residual Analysis of AR Models on the Canadian Lynx Data. *Journal of Biological Systems*. 2000, Vol. 8, 95-114.
146. **Lai D**, Wang SJ, Hsi BP: Saddlepoint Methods in Testing the Difference Between Two Binomial Proportions: A Comparative Study. *Far East Journal of Theoretical Statistics*. 1999, Vol. 3, 239-263.
147. **Lai D**, Chen G, Hasler M: Distribution of the Lyapunov Exponent of the Chaotic Skew Tent Map. *International Journal of Bifurcation and Chaos*. 1999, Vol. 9, 2059-2067.

148. **Lai D**, Hardy RJ: Potential Gains in Life Expectancy or Years of Potential Life Lost: Impact of Competing Risks of Death. *International Journal of Epidemiology*. 1999, Vol. 28, 894-898. PMID: 10597988.
149. **Lai D**, Narayana PA: Confidence Intervals of Proton MRI-observed Neurochemicals in Human Brain. *Far East Journal of Theoretical Statistics*. 1999, Vol. 3, 159-169.
150. **Lai D**: Asymptotic Distributions of the Correlation Integral Based Statistics. *Journal of Nonparametric Statistics*. 1999, Vol. 10, 127-135.
151. **Lai D**: A Statistical Analysis on Spatial and Temporal Patterns of the Chinese Elderly Population. *Archives of Gerontology and Geriatrics*. 1999, Vol. 28, 53-64. PMID: 18656104.
152. Chen G, **Lai D**: Feedback Anticontrol of Discrete Chaos. *International Journal of Bifurcation and Chaos*. 1998, Vol. 8, 1585-1590.
153. **Lai D**: Local Asymptotic Normality for Location-Scale Type Processes. *Far East Journal of Theoretical Statistics*. 1998, Vol. 2, 171-186.
154. **Lai D**, Chen G: On Statistical Analysis of Lyapunov Exponents from Time Series: A Jacobian Estimation Approach. *Mathematical and Computer Modelling*. 1998, Vol. 27, 1-9.
155. Narayana PA, Doyle TJ, **Lai D**, Wolinsky JS: Serial Proton Magnetic Resonance Spectroscopic Imaging, Contrast Enhanced Magnetic Resonance Imaging, and Quantitative Lesion Volumetry in Multiple Sclerosis. *Annals of Neurology*. 1998, Vol. 43, 56-71. PMID: 9450769.
156. **Lai D**: Spatial Statistical Analysis of Chinese Cancer Mortality: A Comparison Study of the D Statistic. *Scandinavian Journal of Social Medicine*. 1997, Vol. 25, 258-265. PMID: 9460139.
157. **Lai D**, Harrist RB: A Nonparametric Statistical Approach in Noisy Chaos Identification. *Communications in Statistics, Ser. B*. 1997, Vol. 26, 291-300.
158. Chen G, **Lai D**: Making a Dynamical System Chaotic: Feedback Control of Lyapunov Exponents for Discrete-Time Dynamical Systems. *IEEE Transactions on Circuits and Systems*. 1997, Vol. 44, 250-253.
159. **Lai D**, Tsai SP, Hardy RJ: Impact of HIV/AIDS on Life Expectancy in the United States. *AIDS*. 1997, Vol. 11, 203-208. PMID: 9030368.

160. **Lai D**, Hsi BP: Soil-transmitted Helminthiases in China: A Spatial Statistical Analysis. *Southeast Asian Journal of Tropical Medicine and Public Health*. 1996, Vol. 27, 754-759. PMID: 9253879.
161. Chen G, **Lai D**: Feedback Control of Lyapunov Exponents for Discrete-Time Dynamical Systems. *International Journal of Bifurcation and Chaos*. 1996, Vol. 6, 1341-1349.
162. Brandt ME, Ademoglu A, **Lai D**, Chen G: Autoregressive Self-tuning Feedback Control of the Hénon Map. *Physical Review E*. 1996, Vol. 54, 6201-6206. PMID: 9965839.
163. **Lai D**, Chan W: A Note on Asymptotic Distribution of Permutation Statistics from Mixing Processes. *Communications in Statistics, Ser. A*. 1996, Vol. 25, 2395-2401.
164. **Lai D**: Comparison Study of AR Models on the Canadian Lynx Data: A Close look at BDS Statistic. *Computational Statistics and Data Analysis*. 1996, Vol. 22, 409-423.
165. **Lai D**, Chen G: Dynamical Systems Identification from Time Series Data: A Hankel Matrix Approach. *Mathematical and Computer Modelling*. 1996, Vol. 24, 1-10.
166. **Lai D**, Hardy RJ, Tsai SP: Statistical Analysis of the Standardized Mortality Ratio and Life Expectancy. *American Journal of Epidemiology*. 1996, Vol. 143, 832-841. PMID: 8610694.
167. **Lai D**, Chen G: Computing the Distribution of Lyapunov Exponents from Time Series: the One-Dimensional Case Study. *International Journal of Bifurcation and Chaos*. 1995, Vol. 5, 1721-1726.

B. Invited Articles:

168. **Lai D:** Z-test. **Invited entry** for *International Encyclopedia of the Social Sciences, 2nd Edition*. 2008, Vol. 9, 181-183.
169. **Lai D:** Student's T Statistic. **Invited entry** for *International Encyclopedia of the Social Sciences, 2nd Edition*. 2008, Vol. 8, 184-187.
170. **Lai D:** White Noise. **Invited entry** for *International Encyclopedia of the Social Sciences, 2nd Edition*. 2008, Vol. 9, 82-83.
171. Zhang JX, **Lai D**, Zheng YD: Time Series Analysis and Its Applications in Medical Sciences. In: *Advanced Medical Statistics*. Editors: Fang JQ and Lu Y., World Scientific Publishing Company, Singapore (English version, 2003. 333-377) and People's Medical Publishing House (Chinese version, 2002. 219-266. The book wins the (sole) first prize of excellent statistical books at the Seventh (2004) National Statistical Research Awards of China).

C. Other Communications in Journals:

172. Park K, **Lai D**, Handberg EHM, Moyer LA, Perin EC, Pepine CJ, Anderson RD, for The Cardiovascular Cell Therapy Resch Network (CCTRN): Abstract 14931: Electromechanical Assessment of Myocardial Function is Associated With Improvement in Ejection Fraction in Patients Treated With Autologous Stem Cell Therapy for Ischemic Cardiomyopathy. *Circulation*, 2013, Vol. 128, A14931.
173. Cogle1 CR, Wise1 E, Meacham AM, Traverse JH, Henry TD, Perin EC, Willerson JT, Bolli R, Cooke JP, Anwaruddin S, Bhatnagar A, Cabreira-Hansen M, Grant MB, **Lai D**, Moyer LA, Ebert RF, Olson RE, Resende M, Sayre SL, Schulman IH, Smith D, Zierold C, Pepine CJ, Taylor DA for The Cardiovascular Cell Therapy Resch Network (CCTRN): Abstract 17746: Variable and Decreased Clonogenic Activity of Autologous Bone Marrow in Cell Therapy Patients With Ischemic Heart Disease, and CD34 as a Biomarker for Clinical Outcomes: Results From the Cardiovascular Cell Therapy Research Network (CCTRN). *Circulation*, 2013, Vol. 128, A17746.
174. Ahmed A, Gondi S, Cox C, Munir SM, Shankar KJ, Stupin IV, Sobash E, **Lai D**, Brewer A, Wilson JM, Casscells SW: The Usefulness of Body Temperature Circadian Rhythm Variation as an Early Predictor of Decompensation in Cardiomyopathic Hamsters. *Journal of the American College of Cardiology*. 2009, Vol. 53: A148-A148, Suppl. 1.

175. Ahmed A, Gondi S, Munir S, Cox C, Shankar KJ, Stupin IV, Sobash ED, **Lai D**, Brewer A, Wilson JM, Casscells SW: Effect of External Environment on Predictive Value of Body Temperature in Cardiomyopathic Hamsters *American Journal of Cardiology*. 2008, Vol. 102: 1901-1901, Suppl.
176. Kalamangalam G, **Lai D**: Interspike Intervals: Relation to Epilepsy Syndrome. *Epilepsia*. 2008, Vol. 49: 187-188, Suppl. 7.
177. Gondi AAS, Ahmed A, Munir M, Cox C, Shankar KJ, Stupin I, Sobash ED, Engel S, Asopa S, **Lai DJ**, Brewer A, Wilson J, Casscells SW: Utility of continuous body temperature monitoring in predicting prognosis in cardiomyopathic hamsters. *Journal of Cardiac Failure*. 2008, Vol. 14: S20-S20, Suppl.
178. Munir MS, **Lai D**, Ahmed AH, Shankar KJ, Brewer AM, Stupin IV, Casscells SW, Delgado RM: Routine laboratory variables may be used to predict imminent hospitalization in congestive heart failure (CHF) patients. *Journal of Molecular and Cellular Cardiology*. 2007, Vol. 42: S156-S156 Suppl. 1.
179. Ahmed A, Aboshady I, Munir MS, Brewer AM, **Lai D**, Shaik NA, Shankar KJ, Deswal A, Casscells SW. Usefulness of falling body temperature for prediction of adverse outcomes in Congestive Heart Failure *American Journal of Cardiology*. 2007, Vol. 100 (Suppl. 8A): 174L
180. Ahmed A, Aboshady I, Munir SM, Brewer A, **Lai D**, Shankar K, Shaik NA, Deswal A, Casscells SW: Body temperature fall predicts increased mortality and rehospitalization in patients with congestive heart failure *American Journal of Cardiology*. 2006, Vol. 98 (8A): 87M-87M Suppl. S.
181. Silver SR, Rinsky RA, Cooper SP, Hornung RW, **Lai D**: RE: Effect of Follow-Up Time on Risk Estimates: A Longitudinal Examination of the Relative Risks of Leukemia and Multiple Myeloma in a Rubber Hydrochloride Cohort. (Letter to the Editor). *American Journal of Industrial Medicine*. 2004, Vol. 45(2):224-225.
182. Kahan BD, Podbielski J, **Dejian L**, Van Buren C: Substitution of Sirolimus (SRL) for Steroids in Long-term Renal Transplant Recipients Treated with Cyclosporine (CSA). *American Journal of Transplantation*. 2003, Vol. 3(s5):352.
183. Podder H, **Dejian L**, Schoenberg L, Knight R,1 Katz S, Van Buren C, Kahan B: Improved Outcomes of Renal Transplantation in 122 African-Americans Treated with a Sirolimus-Cyclosporine Regimen: Comparison to a Cyclosporine-Prednisone Regimen and to Caucasians. *American Journal of Transplantation*. 2003, Vol. 3(s5):356.

184. Kahan BD, **Dejian L**, Schoenberg L, Knight R, Katz S, Van Buren C: Impact of Cycloporine (CSA) Exposure in Combination with Sirolimus (SRL) on Renal Allograft Outcomes at One Year. *American Journal of Transplantation*. 2003, Vol. 3(s5):358.
185. Kahan BD, **Dejian L**, Schoenberg L, Knight R, Katz S, Van Buren C: Outcome of 1008 Renal Allograft Recipients Treated with Sirolimus (SRL)/Cyclosporine (CSA) and Followed for 1-10 Years. *American Journal of Transplantation*. 2003, Vol. 3(s5):459.
186. Sorof JM, Alexandrov AV, Garami Z, **Lai DJ**, Portman RJ: Increased carotid artery intimal-medial thickness in hypertensive children *American Journal of Hypertension*. 2003, Vol. 16(5):OR79 Part 2.
187. Narayana PA, Abbe R, **Lai D**, Bilgen M: Prognostic value of MRI in Spinal Cord Injury. Proceedings of the 9th ISMRM Scientific Meeting in Glasgow, Scotland. 2001. pp. 1623.
188. Sorof JM, Eissa MA, **Lai D**, Franco K, Poffenbarger T, Portman RJ: Multiple clinic measurements do not improve the relative agreement between clinic and daytime ambulatory BP in children (Poster). *American Journal of Hypertension*. 2001, Vol. 14, Supplement 1, A235.
189. **Lai D**: A Simple Test for Spatial Pattern in Regional Health Data. (Letter to the Editor). *Statistics in Medicine*. 1995, Vol. 14, 1393-1394. PMID: 7569496.

D. Book Chapters:

190. Grimes RM, Sadeque A, **Lai D** and Visnegarwala F: Antiretroviral Medication Adherence in Anemic Patients with HIV/AIDS. In: Extended Versions of Abstracts from the 13th World AIDS Conference. Bologna, Italy. Monduzzi Editore. 2002. 241-246.

E. Papers in Conference Proceedings:

191. Bickel DR, **Lai D**: Asymptotic Distribution of Time-series Intermittency Estimates: Applications to Economic and Clinical Data. *The Proceedings of the 2000 Joint Meetings of the American Statistical Association*, Business and Economic Statistics Section, 91-96.
192. Chen G, **Lai D**, Anticontrol of Chaos via Feedback. *The Proceedings of the 36th IEEE Conference on Decision and Control*. (Refereed, invited paper), 1997, 367-372.
193. **Lai D**: A Randomly Weighted Spatial Pattern Test. *The Proceedings of the 1995 Joint Meetings of the American Statistical Association*, Epidemiology Section, 54-59.

F. Research Reports:

194. Delclos GL, Morandi MT, Stock T, **Lai D**, Abramson SL, Sockrider MT, Hania N, Lusk C, Bureau K, Afshar M, Maberti S, and Tee GP: Oxygenated Urban Air Toxics and Asthma Variability in Middle School Children: A Panel Study. Mickey Leland National Urban Air Toxics Research Center. Number 11, 2007. 123 page.
195. Kahan BD and investigators (Statistician: **Lai D**): Impact of Simultaneous Versus Spaced Dosing of Cyclosporine and Sirolimus. Wyeth-Ayerst Pharmaceuticals. October 2002. 24 pages.
196. Kahan BD and investigators (Statistician: **Lai D**): Substitution of Sirolimus (Rapamune) for Everolimus (RAD) in Stable Renal Transplant Recipients Wyeth-Ayerst Pharmaceuticals. January 2003. 12 pages.
197. **Lai D**: Report and Documentation for the IMSL Subroutines on GARCH Models. (The report is accompanied with the software). Visual Numerics, Houston, Texas. September 1998. 28 pages.
198. **Lai D**: Contributions to Nonlinear Time Series Analysis. *Ph.D. Dissertation*. The University of Texas at Dallas. August, 1994. 127 pages.
199. **Lai D**: Report and Documentation for Statistical Programs on Marketing Research. (The report is accompanied with the software). Savitz (Marketing) Research Center, Dallas, Texas. May 1994. 31 pages
200. **Lai D**, Wang X, Wiorkowski JJ: Local Asymptotic Normality for Multivariate Nonlinear AR Processes. *Technical Report # 002*, Center for Engineering Mathematics, University of Texas at Dallas. September, 1993. 26 pages.

G. Other Articles:

201. Wan LJ, Zhou LQ, **Lai D**: Geostatistical Analysis of the Average Income of Chinese Rural Residents (In Chinese, referred). *Journal of Anhui Agricultural Sciences*, 2008, Vol. 31, 827-829.
202. Bai AF, Wei HQ, **Lai D**: The Day of the Week Effect of Shenzhen Stock Market: GARCH Model Approach (In Chinese, referred). *Statistical Education*. 2007, No. 7, 14-15.
203. **Lai D**, Xiong TY: A Spatial Statistical Analysis on Chinese Population Growth and Economic Development (In Chinese, referred). *Statistics and Decision*. 2006, No. 12, 72-73.
204. Gui HF, **Lai D**: IPO and Firm Performance Change: Theoretical Analysis and Empirical Study. *Contemporary Finance* (In Chinese, referred). 2005, No.2, 39-41, 63.
205. **Lai D**, Chen G: Distribution of Controlled Lyapunov Exponents: A Statistical Simulation Study. *InterStat* (A statistical journal on the Internet). November, 1996. 17 pages. The final version was published in *Computational Statistics and Data Analysis*.
206. **Lai D**, Huang W (translators, from English to Chinese): Social and Demographic Statistics in Hungary. *Jiangxi Statistics*. 1986, No. 5, 38-39.
207. **Lai D**: The Economic Activity of the Population: A Comparative Study Between Jiangxi Province and Jiangsu Province. *The Proceedings of the National Symposium on the 1982 Population Census of China*. (In Chinese). November 1985, 8 pages.
208. **Lai D**: Life Tables and Their Applications. *Jiangxi Statistics*. (In Chinese). 1984, No. 6, 46-51.

Manuscripts Submitted for Publication:

1. Liu Z, **Lai D**, Tai R, Kim DH: Dynamic Prediction by Landmark Cox Model in Risk Assessment of a Postoperative Stroke Based on Time-Dependent Lab Measurements and Baseline Risk Factors. Submitted to *Journal of Stroke and Cerebrovascular Diseases*. 5/2017.
2. Gould KL, Johnson NP, Roby AE, Nguyen T, Kirkeeide R, Haynie M, **Lai D**, Zhu HJ, Steptoea D, Patel MB, Smalling R, Arain S, Balan P, Nguyen T, Esterera T, Sdringola S, Madjide M, Nascimbene A, Camargo JE, Loyalkac P, Kar B, Gregoricc I, Safid H, McPherson D: Continuum Of Regional Coronary Flow Capacity And Associated MACE In Complex Multi-stenosis and Diffuse CAD. Submitted to *JACC*. 1/2017.
3. Kitkungvan D, Vejpongsa P, Johnson NP, **Lai D**, Zhu H, Steptoe DD, Roby AE, Patel MB, Kirkeeide R, Gould KL: Impact Of Caffeine On Stress Myocardial Blood Flow: Real World Insights From Positron Emission Tomography In Clinical Practice. Submitted to *Circulation CV Imaging*. 4/2017
4. Riddle MC, Pressel SL, Hirsch IB, Ahmann AJ, Bergenstal R, Bode BW, Dandona P, Davis BR, Gilbert MP, Khakpour D, **Lai D**, McGill JB, OBrien K, Young LA, Probstfield JL: Clinical characteristics associated with glycemic variability during treatment with prandial insulin or prandial exenatide plus metformin and insulin glargine in the FLAT-SUGAR study. Submitted to *Diabetes, Obesity and Metabolism*. 04/2017.
5. Resende MM, Perin EC, Orozco AF, Traverse JH, Schutt RC, Willerson JT, Bolli R, Yang PC, Cooke JP, **Lai D**, Cohen ML, Moy L, Taylor DA for the Cardiovascular Cell Therapy Research Network (CCTRN). Temporal changes in peripheral blood cell populations after BMMNC or placebo treatment in patients with ischemic cardiomyopathy: A FOCUS-CCTRN evaluation. Submitted to *American Heart Journal*. 9/16.

6. Petersen JW, **Lai D**, Moye LA, Handberg E, Thomas JD, Martin AD, Anwaruddin S, Chugh A, Hare J, Loghin C, Sayre S, Yang P, Perin E, Pepine CJ for the Cardiovascular Cell Therapy Research Network (CCTRN). Global versus Regional Measures of Left Ventricular Systolic and Diastolic Function and Associations with Functional Capacity. Submitted to *to Cardiovascular Ultrasound* . 10/15.
7. Wang YF, **Lai D**: Assessing Logistic Regression by Bootstrapping and Monte Carlo Simulation. Submitted to *International Journal of Mathematics and Statistics*. 2/14.
8. **Lai D**, Arif AA, Xu HY, and Delclos GL: A Comparative Study of Three Classification Procedures: Asthma of Healthcare Professionals in Texas. Submitted to
9. Zhang Q, **Lai D**: Weighted Error Spending Functions with Applications to Adaptive Group Sequential Trials. Submitted to *Journal of Applied Statistics*. 08/09.
10. Hsu CW, Nkhoma ET, Aoki N, Shang N, **Lai D**. Using Health Informatics Methods to Support Public Health Risk Communication - Temporal and Spatial Analysis of H1N1 Human Infectious Distribution in the US. Submitted to *Eurosurveillance Journal*. 8/09.
11. Bi Y, **Lai D**, Yan H: The Impacts of a UNICEF Health Promotion in Five Provinces in China. Submitted to *Public Health*. 7/11.
12. Huang VV, **Lai D**: Interim Analysis of Clinical Trials: Simulation Studies of Conditional Power under Fractional Brownian Motion. Submitted to *Communications in Statistics-Simulation and Computation*. 4/13.
13. Moye LA, Vojvodic RW, Forder JR, Thomas JD, **Lai D**, Perin EC, Bettencourt J, Henry TD, Traverse JH, Taylor DA, Gee AP, Bolli R for the Cardiovascular Cell Therapy Research Network (CCTRN): A Case Study of the Development of a Corporate Spirit of Innovation in Health Care Research. Submitted to *The Journal of Delivery Science and Innovation*. 11/14.
14. Pan WR, **Lai D**, Song Y, Follis J. Time Series Analysis of Energy Intensity, Value Added Tax and Corporate Tax: A Case Study of Non-ferrous Metal Industry in Jiangxi Province, China. Submitted to *Energy Policy*. 5/15.
15. Bhatnagar1 A, Bolli1 R, Johnstone BH, Traverse JH, Henry TD, Pepine CJ, Willerson JT, Perin EC, Ellis SG, Zhao DXM **Lai D**, Cooke JP, Schutt RC, Trachtenberg BH, Resende M, Ebert RF, Sayre SL, Cohen M, Simari RD, Moy L, Cogle CR, Taylor DA for the Cardiovascular Cell Therapy Research Network (CCTRN). Bone Marrow Cell Characteristics Associated with Patient Characteristics and Cardiac Performance Outcomes in the LateTIME Trial. 2/15.

Manuscripts in Preparation:

1. Liu ZY, Kim DH, **Lai**. Box-Cox Transformed Linear Mixed Model with AR(1) Correlation Structures in the Analysis of Neurosurgical Patient Blood Glucose Measurements. *Journal of Statistical Planning and Inference*, Under Review.
2. Liu ZY, Kim DH, **Lai** Dynamic Prediction by Landmarking in Recurrent Events with an Application to a Follow-up Neurological Stroke Prevention Study. *Statistical Methods in Medical Research*, Under Review.
3. Taylor Cogle, Cooke, Hatzopoulos, **Lai D**, Murphy, Perin, Resende, Smith, Willerson, Zierold for the Cardiovascular Cell Therapy Research Network (CCTRN). BM cell populations that fail to improve in FOCUS.
4. Orozco, Bolli, Cogle, Cooke, Hatzopoulos, Henry, **Lai D**, Murphy, Olson, Resende, Taylor, Traverse, Wu, Zierold for the Cardiovascular Cell Therapy Research Network (CCTRN). BM Characteristics associated with LV dysfunction in TIME and LateTIME.
5. Byun JY, **Lai D**: Asymptotic Relative Efficiency of Hybrid Test to Classic Meta T Test. In Preparation.
6. Wang YF, **Lai D**, Luo S, Waller DK: A Simulation Study of Empirical Power Estimated by Using the Hybrid Statistic and the Meta-analysis t-test for Data with Matched and Unmatched Subjects in the Interim Analysis of Clinical Trials. In Preparation. 4/12.
7. Wang YF, **Lai D**, Luo S, Waller DK: A Simulation Study of Type I Error Estimated by Using the Hybrid Statistic and the Meta-analysis t-test for Data with Matched and Unmatched Subjects in the Interim Analysis of Clinical Trials. In Preparation. 4/12.
8. Zhang Q, **Lai D**: Comparison of P Value Combination Methods in Adaptive Designs: A Simulation Study. In Preparation.
9. **Lai D**: Interim Analysis Based on U-statistic. In preparation.
10. **Lai D**: Two-level Dynamic Monitoring of Efficacy and Adverse Events in Clinical Trials. In preparation.
11. Follis JL, **Lai D**, et al: Modeling Volatility Characteristics of Epileptic EEGs Using GARCH. In preparation.
12. Follis JL, **Lai D**, et al: Variability Analysis of Epileptic EEGs Using Maximal Overlap Discrete Wavelet Transform. In preparation.

Presentations:

1. “A Method of Combining Matched and Unmatched Studies for Clinical Trials” **Invited presentation** at Jiangxi University of Finance and Economics, Nanchang, China. 11/17.
2. “Graduate Programs in Biostatistics at The University of Texas School of Public Health.” Recruitment Presentation at University of St. Thomas, Houston, Texas. 11/15.
3. “Conditional moving linear regression: Modeling the recruitment process for ALLHAT” **Invited presentation** at Jiangxi University of Finance and Economics, Nanchang, China. 6/15.
4. “Introduction to Biostatistics and Its Applications in Public Health” **Invited presentation** at Xian Jiaotong University, Xian, China. 6/14.
5. “Box-Cox Transformation for Spatial Linear Models: A Study on Lattice Data.” **Invited presentation** at Xian Jiaotong University, Xian, China. 6/14.
6. “Introduction to Biostatistics and Its Applications in Public Health” **Invited presentation** at Xiamen University, Xiamen, China. 7/14.
7. “Introduction to Spatial Statistics” **Invited presentation** at Xiamen University, Xiamen, China. 7/14.
8. “Introduction to Biostatistics and Its Applications in Public Health” **Invited presentation** at Annual Statistical Education Conference of Jiangxi Statistical Association, Nanchang, China. 7/14.
9. “Statistical Degree Programs in the US.” **Invited presentation** at Jiangxi University of Finance and Economics, Nanchang, China. 6/13.
10. “Sample size Re-estimation and Optimal Allocation ” **Invited presentation** at University of St. Thomas, Houston, Texas. 10/12.
11. “Sample size Re-estimation and Optimal Allocation” Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 9/12.
12. “Monitoring the SARS Epidemic in China: A Time Series Analysis.” **Invited presentation** at Nanchang University, Nanchang, China. 6/12
13. “Graduate Programs in Biostatistics at The University of Texas School of Public Health.” Recruitment Presentation at University of St. Thomas, Houston, Texas. 10/11.

14. "Writing and Submitting Papers." **Invited presentation** at Jiangxi University of Finance and Economics, Nanchang, China. 6/11.
15. "Brownian Motion and Surveillance Modeling." **Invited presentation** at the Institute of Zoology, Chinese Academic of Sciences. Beijing, China. 12/10.
16. "Brownian Motion, Fractional Brownian Motion for Decision Making." Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 12/10.
17. "Biostatistics in the United States: A Close Look at UT School of Public Health." **Invited presentation** at Jiangxi University of Finance and Economics, Nanchang, China. 4/10.
18. "A Hybrid Method for Combining Matched and Unmatched Studies " Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 4/10.
19. "Combining Dichotomous and Continuous Data in a U-statistic: Design and Sample Size Implications for Cell Therapy Research" **Invited Presentation** at the 18th International Chinese Statistical Association Applied Statistics Symposium, San Francisco, California. 6/09.
20. "Handicap-free Life Expectancy in China (1987 and 2006)" Presented at the Global Health Seminar, UT School of Public Health, Houston, Texas. 2/09.
21. "HIV/AIDS Testing at Ports of Entry in China" **Invited presentation** at The CITAR Seminar, UT School of Public Health, Houston, Texas. 2/09.
22. "Handicap-free Life Expectancy in China (1987 and 2006)" Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 9/08.
23. "Statistical Properties of Generalized Gini Coefficient with Application to Health Inequality Measurement." **Invited presentation** at Department of Applied Mathematics, I-Shou University, Kaohsiung, Taiwan, 6/08.
24. "Box-Cox Transformation for Spatial Linear Models: A Study on Lattice Data." **Invited presentation** at Department of Economics, Fo Guang University, Yilan, Taiwan. 6/08.
25. "Biostatistics in the United States: A Personal Perspective." **Invited presentation** at the Department of Statistics & Information Science, Fu Jen Catholic University, Taipei, Taiwan. 6/08.
26. "Box-Cox Transformation for Spatial Linear Models: A Study on Lattice Data." Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 3/08.

27. "Statistical Properties of Generalized Gini Coefficient with Application to Health Inequality Measurement." Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 9/07.
28. "Group Sequential Tests under Fractional Brownian Motion in Monitoring Clinical Trials." **Keynote Speech** at International Conference on Econometrics and Applied Statistics, Nanchang, China, 4/07.
29. "Group Sequential Tests under Fractional Brownian Motion in Monitoring Clinical Trials." Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 11/06.
30. "Some Statistical Methods in Toxicology." **Invited presentation** at The First International Conference on Frontiers in Biomedical and Environmental Health Sciences: From Molecular and Systems Biology to Human Diseases, Wuhan, China. 6/06.
31. "Brownian Motion, Fractional Brownian Motion and Their Applications in Monitoring Clinical Trials." **Invited presentation** at Zhejiang University, College of Medicine, Hangzhou, China. 6/06.
32. "A Systems Biology Course at the University of Texas School of Public Health." **Invited presentation** at Shanghai University, Systems Biology Center, Shanghai, China. 6/06.
33. "The US-Mexico Border Diabetes Survey: Design Based Analysis." **Invited presentation** at CDC Diabetes Program Conference, El Paso, Texas. 4/06.
34. "Conditional Power and Fractional Brownian Motion." Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 4/06.
35. "The US-Mexico Border Diabetes Survey: Design Based Analysis." **Invited presentation** at WHO Field Office in El Paso, El Paso, Texas 3/06.
36. "Monitoring the SARS Epidemic in China: A Time Series Analysis." Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 11/05.
37. "Spatial Statistics for Public Health." **Invited presentation** at the Department of Public Health, Xian Jiaotong University, Xian, China. 6/05.
38. "Biostatistics in the United States: A Personal Perspective." **Invited presentation** at the Department of Public Health, Xian Jiaotong University, Xian, China. 6/05
39. "Statistics and Its Applications." **Invited presentation** at the Department of Management Science and Engineering, Nanchang University, Nanchang China. 6/05.

40. “Biostatistics in the United States: A Personal Perspective.” **Invited presentation** at the Applied Statistics Center, Renmin University, Beijing, China. 5/05.
41. “Test Spatial Randomness Based on Empirical Distribution Function: A Study on Lattice Data.” Presented at the Biostatistics Seminar, UT School of Public Health, Houston, Texas. 1/05.
42. “Modeling Chronobiological Data: An Introduction to Time Series Analysis.” **Invited presentation** at the International Conference of Chronobiology, Haikou, China. 12/04 (Proceedings of the Chinese National Conference of Chronobiology, page 14).
43. “Measuring Health: A Biostatistics Perspective.” **Invited presentation** at School of Public Health, Jiangxi Medical College. Nanchang, China. 6/04.
44. “My Experience in Statistics.” **Invited presentation** at Jiangxi School of Statistics. Nanchang, China. 6/04.
45. “Empirical Distribution Function and Its Applications in Testing Randomness.” Presented at the biometry seminar, UT School of Public Health, Houston, Texas. 11/03.
46. “Measuring the Impact of HIV/AIDS on Life Expectancy in the United States from 1987 to 1999.” Presented at the Joint Statistical Meetings, San Francisco, California. 8/03.
47. “Measuring the Impact of HIV/AIDS on Life Expectancy in the United States from 1987 to 1999.” Presented at the international and family health seminar, UT School of Public Health, Houston, Texas. 4/03.
48. “Measuring the Impact of HIV/AIDS, Diseases of Heart and Malignant Neoplasms on Life Expectancy in the United States from 1987 to 1999.” Presented at the biometry seminar, UT School of Public Health, Houston, Texas. 2/03.
49. “Measuring the Impact of HIV/AIDS on Life Expectancy in the United States from 1987 to 1999.” Presented at the Ninth Biennial Symposium on Statistical Methods. Center for Disease Control and Prevention. Atlanta, Georgia. 1/03.
50. “Noisy Chaotic Time Series: An Introduction.” Presented at the biometry seminar, UT School of Public Health, Houston, Texas. 9/02.
51. “Biostatistics: An Introduction.” **Invited presentation**, UT School of Health Information Sciences, Houston, Texas. 4/02.

52. "Mathematics, Statistics and Biostatistics: Personal Experience of Statistical Work in China and the United States." **Invited presentation**, Department of Statistics, Sun Yat-Sen University, Guangzhou, China. 6/01.
53. "Making a Discrete Dynamical System Chaotic: Theoretical Results and Numerical Simulations." Presented at the computational biomedicine seminar, UT School of Health Information Sciences, Houston, Texas. 3/01.
54. "U-Statistics and Some Applications." Presented at the biometry seminar, UT School of Public Health, Houston, Texas. 2/00.
55. "Measuring Health: Life Expectancy, Human Development Index and Statistical Analysis." Presented at the biometry seminar, UT School of Public Health, Houston, Texas. 10/99.
56. "Measuring Health: Life Expectancy, Human Development Index and Statistical Analysis." Presented at the monthly seminar of the Houston Area Chapter, American Statistical Association (HACASA), Houston, Texas. 10/99.
57. "Standardized Mortality Ratio and Life Expectancy: A Comparative Study of the Chinese Mortality." Presented at the Joint Statistical Meetings, Baltimore, Maryland. 8/99.
58. "Measuring Health: A Biometric Perspective." Plenary Presentation at the Fifth Faculty Research Symposium. UT School of Public Health, Houston, Texas. 11/98.
59. "Finding Research Topics: A Random Walk." Biometry seminar presentation. UT School of Public Health, Houston, Texas. 10/98.
60. "Potential Gains in Life Expectancy or Years of Potential Life Lost: Impact of Competing Risks of Death." Presented at the Joint Statistical Meetings, Dallas, Texas. 8/98.
61. "GARCH Models." **Invited presentation**, Visual Numerics (IMSL), Houston, Texas. 4/98.
62. "Computing Potential Gains in Life Expectancy and Estimating Lyapunov Exponents." **Invited presentation** for the Ellis B. Stouffer Colloquium, Department of Mathematics, University of Kansas, Lawrence, Kansas. 12/97.
63. "National Account Statistics in the United States and China." **Invited presentation** to senior officials in the Ganzhou Regional Statistical Bureau, Jiangxi, China. 5/97.
64. "The Higher Education System in the United States." **Invited presentation** at Southern Institute of Metallurgy. Jiangxi, China. 5/97.

65. "Schools of Public Health in the United States: A Close Look at the UT School of Public Health." **Invited presentation** to the visiting officials from the Ministry of Public Health of the People's Republic of China, Houston, Texas. 4/97.
66. "Impact of AIDS on Life Expectancy in the United States." Presented at the Joint Statistical Meetings. Chicago, Illinois. 8/96. This presentation was selected by the American Statistical Association for **press release**.
67. "Impact of AIDS on Life Expectancy in the United States." UT School of Public Health Colloquium presentation (with Robert J. Hardy). Houston, Texas. 5/96.
68. "AIDS and Life Expectancy." **Invited seminar presentation** at the Department of Statistics, Texas A & M University, College Station, Texas. 2/96.
69. "Estimating the Lyapunov Exponent from Time Series." Presented at the Ninth Annual Texas Systems Day Conference. Houston, Texas. 10/95.
70. "Application of a Randomly Weighted Spatial Pattern Test in Health Data." Presented at the Joint Statistical Meetings. Orlando, Florida. 8/95.
71. "My education and working experience." Interviews with the Asian Development Bank. Manila, Philippines. 5/95.
72. "Residual Analysis of AR Models on the Canadian Lynx Data." Presented at the Fourth International Conference on Mathematical Population Dynamics. Houston, Texas. 5/95.
73. "Nonlinear Time Series Analysis." Invited presentation at the School of Public Health, University of Texas. Houston, Texas. 5/94.
74. "Teaching Statistics in Public Health." Invited presentation at the El Paso Satellite, School of Public Health, University of Texas. El Paso, Texas. 5/94.
75. "The Economic Activity of the Population: A Comparative Study between Jiangxi Province and Jiangsu Province." Presented at the National Symposium on the 1982 Population Census of China. Chongqing, China. 11/85.
76. "On the Accuracy of Population Census." Presented at the Annual Meeting of the Jiangxi Statistical Association. Nanchang, China. 3/85.
77. "On the Convergence and Stability of a Numerical Algorithm for Population Projection." Presented at the Annual Meeting of the Jiangxi Population Association. Nanchang, China. 1/83.

Selected Presentations/Abstracts Given by Co-authors:

1. "Box-Cox Transformed Linear Mixed Model with AR(1) Correlation Structures in the Analysis of Neurosurgical Patient Blood Glucose Measurements." Presented by co-author Zheyu Liu at the Spring meeting of The International Biometric Society - Eastern North American Region (ENAR) in Washington DC, 2/17.
2. "Electromechanical Assessment of Myocardial Function is Associated With Improvement in Ejection Fraction in Patients Treated With Autologous Stem Cell Therapy for Ischemic Cardiomyopathy." Presented by co-author Ki Park at the American Heart Association in Dallas, 11/13.
3. "Modeling Volatility Characteristics of Epileptic EEGs Using GARCH Model." Presented by co-author Jack Follis at the Joint Meetings of the American Statistical Association in Montreal, Canada, 8/13.
4. "Clustered Drug and Sexual HIV Risk among a Sample of Older Injection Drug Users, Houston, Texas." Presented by co-author Syed W. Noor at The 139th American Public Health Association Meetings in San Francisco, 10/12.
5. "Effect of Transendocardial Autologous Bone Marrow Mononuclear Cell Delivery on Functional Capacity, Left Ventricular Function and Perfusion in Chronic Ischemic Heart Failure: The FOCUS Randomized Trial" Presented by co-author (PI) Emerson C. Perin at The Annual Conference of American College of Cardiology (Late-Breaking Session, Statisticians: Lemeual Moye, Dejian Lai), Chicago, 3/12.
6. "Knowledge of HIV serostatus and risk behaviors: Positive HIV serostatus is associated with reduced drug and sexual HIV risk among injection drug users." Presented by co-author Syed W. Noor at The 139th American Public Health Association Meetings in Washington, DC, 11/11.
7. "A Hybrid Method for Combining Matched and Unmatched Studies." Presented by co-author Jinyoung Byun at the Joint Statistical Meetings in Vancouver, Canada, 8/10.
8. "The Usefulness of Body Temperature Circadian Rhythm Variation as an Early Predictor of Decompensation in Cardiomyopathic Hamsters." Presented by co-author Amany H. Ahmed at the Annual American College of Cardiology, Orlando, Florida, 03/09.
9. "Interspike Intervals: Relation to Epilepsy Syndrome." Presented by co-author Giridhar Kalamangalam at the Annual Meeting of the American Epilepsy Society, Seattle, 12/08.
10. "The Effect of External Environment on the Predictivity of Body Temperature in Cardiomyopathic Hamster." Presented by co-author Amany H. Ahmed at the Annual Transcatheter Cardiovascular Therapeutics Washington DC, 10/08.

11. "Utility of Continuous Body Temperature Monitoring in Predicting Prognosis in Cardiomyopathic Hamsters." Presented by co-author S. Gondi at the 12th Annual Scientific meeting of the Heart Failure Society of America, Toronto, ON, Canada, 9/08.
12. "Usefulness of Falling Body Temperature for prediction of adverse outcomes in Congestive Heart Failure." Presented by co-author Amany H. Ahmed at 2007 Transcatheter Cardiovascular Therapeutics, Washington DC, 10/07.
13. "Routine Laboratory Variables May Be Used to Predict Imminent Hospitalization in Congestive Heart Failure (CHF) Patients." Presented by co-author Muhammad S. Munir at the XIX World Congress of the ISHR, Bologna, Italy. 6/07.
14. "A Score Method for Comparison of Partial Genomic Regions in Their Representatives of Full-length Genome of Hepatitis E Virus for Genotyping." Presented by co-author Pengcheng Xun at the The Ninth Japan-China Symposium on Statistics, Sapporo, Japan, 09/07.
15. "Predictors of Impulsivity and Reward Seeking Behavior with Dopamine Agonists." Presented by co-author William G. Ondo at The 10th International Congress of Parkinson's Disease and Movement Disorders. Kyoto, Japan. 10/06.
16. "Body Temperature Fall Predicts Increased Mortality and Re-hospitalization in Patients with Congestive Heart Failure." Presented by co-author Amany Ahmed at Transcatheter Cardiovascular Therapeutics, Washington DC, 10/06.
17. "Predictors of Microalbuminuria (MA) in Children with Diabetes Mellitus (DM)." Presented by co-author Ronald Portman at The 2006 Pediatric Academic Societies' Annual Meetings, San Francisco, California. 4/06.
18. "Prevalence of Microalbuminuria (MA) in Children and Adolescents with Diabetes Mellitus (DM) and Rate of Spontaneous Remission (SR)." Presented by co-author Ronald Portman at The 2006 Pediatric Academic Societies' Annual Meetings, San Francisco, California. 4/06.
19. "The Association Between Restless Legs Syndrome and Essential Tremor." Presented by co-author William G. Ondo at The Movement Disorder Society's 9th International Congress of Parkinson's Disease and Movement Disorders, New Orleans, Louisiana. 3/05.

20. "Outcomes of 894 renal allograft recipients treated de novo with a sirolimus-cyclosporine combination and followed for 18 years." Presented by co-author Barry D. Kahan at the XX International Congress of the Transplantation Society, Vienna, Austria. 9/04.
21. "And I hate to sound pessimistic, but THIS IS REALITY: Paradoxical perspectives of low-income elderly women in Medicare." Presented by co-author Dolly A. John at the 131st annual meeting of the American Public Health Association. San Francisco, California. 11/03.
22. "And I hate to sound pessimistic, but THIS IS REALITY: Paradoxical perspectives of low-income elderly women in Medicare." Presented by co-author Dolly A. John at the 4th Annual Health Services and Outcomes Research Conference. Houston, Texas. 11/03.
23. "An Innovative Method to Evaluate Health Inequality." Presented by co-author Jin Huang at the 4th Annual Health Services and Outcomes Research Conference. Houston, Texas. 11/03.
24. "Capturing the Perceptions and Experiences of Low-Income Elderly Women in Medicare: Lessons." Presented by co-author Dolly A. John Academy Health Conference, Houston, Texas, 6/03.
25. "A Simple Method for Evaluating Sample Size in the Houston ATAC (Air Toxics and Asthma in Children) Study." Presented by co-author S. Maberti at the NIOSH NORA Symposium. Washington DC, 6/03.
26. "Reliability and Validity of an Asthma Questionnaire for Healthcare Workers." Presented by co-author G. Delclos at the NIOSH NORA Symposium. Washington DC, 6/03.
27. "Outcomes of 1008 Renal Allograft Recipients Treated with Sirolimus (SRL)/Cyclosporine (CSA) and Followed for 1-10 Years." Presented by co-author Barry D. Kahan at the American Transplant Congress. Washington DC, 6/03.
28. "Substitution of Sirolimus (SRL) for Steroids in Long-term Renal Transplant Recipients Treated with Cyclosporine (CSA)." Presented by co-author Barry D. Kahan at the American Transplant Congress. Washington DC, 6/03.
29. "Improved Outcomes of Renal Transplantation in 122 African-Americans Treated with A Sirolimus-Cyclosporine Regime: Comparison to a Cyclosporine-Prednisone Regimen and to Caucasians. Presented by co-author Hemangshu Podder at the American Transplant Congress. Washington DC, 6/03.
30. "Choice of Follow-Up Time and Risk Estimates for Leukemia and Multiple Myeloma in a Rubber Hydrochloride Cohort." Presented by co-author Sharon Silver at the International Conference of Occupational Health. Iguassu Falls, Brazil. 2/03.

31. "Health Behaviors of Low-Income Elderly Women in Medicare." Presented by co-author Dolly Jones at Health Services & Outcomes Conference, Houston, Texas. 11/02.
32. "Anti-Retroviral Medication Adherence in Anemic Patients with HIV/AIDS." Presented by co-author Abul Sadeque at International AIDS Conference in Barcelona, Spain. 07/02.
33. "Investigating the effects of income inequality, population density and spatial autocorrelation on the all-cause and cancer mortality: A comparison of the State of Texas and Taiwan, 1995-1998." Poster presented by co-author Chiehwen Hsu, a Ph.D. student, at the sixth annual student symposium, UT School of Public Health, Houston, Texas. 4/01.
34. "Prognostic Value of MRI in Spinal Cord Injury." Presented by co-author Pan Narayana at the Annual Meeting of International Society of Magnetic Resonance in Medicine. Glasgow, Scotland, 04/01.
35. "Asymptotic Distribution of Time-Series Intermittency Estimates." Presented by co-author David Bickle at the Joint Statistical Meetings, Indianapolis, Indiana. 8/00.
36. "Feedback Control of the Lyapunov Exponents for Discrete Time Dynamic Systems." Posted at the Dynamics Days Texas. Houston, Texas. 1/96.
37. "Estimating the Lyapunov Exponent from Time Series." Presented at the Ninth Annual Texas Systems Day Conference. Houston, Texas. 10/95.

Academic Visitors:

<u>Name</u>	<u>Title</u>	<u>Institute</u>	<u>Duration</u>
Yuxue Bi	Associate Professor of Biostatistics	Xian Jiantong University	8/03-11/03
Lingxia Zeng	Lecturer of Biostatistics	Xian Jiantong University	3/05-6/05
Yuxue Bi	Associate Professor of Biostatistics	Xian Jiantong University	9/08-11/09
Shihua Luo	Professor of Statistics	Jiangxi Univ. of Fin. & Econ.	6/14-06/15

Graduate Student Committees:

<u>Name</u>	<u>Discipline/Module</u>	<u>Degree</u>	<u>Role</u>	<u>Graduation</u>
Wenjun Zheng	Biostatistics	Ph.D.	Chair/e,t	
Esther Ngan	Biostatistics	Ph.D.	Chair/e	
Weiguo He	Biostatistics	Ph.D.	Chair/e,t	
Weilu Han	Biostatistics	Ph.D.	Chair/t	
Jun Yu	Biostatistics	Ph.D.	Chair/t	
Sara Jimenez	Biostatistics	Ph.D.	Chair/t	12/14
Furong Hunag	Biostatistics	Ph.D.	Chair/t	12/12
Jiabu Ye	Biostatistics	Ph.D.	Chair/e,t	5/16
Zheyu Alex Liu	Biostatistics	Ph.D.	Chair/e,t	5/17
Xuan Zhang	Biostatistics	Ph.D.	Chair/t	W
Yang Zhao	Biostatistics	Ph.D.	Chair/e	
Bo Zhao	Biostatistics	Ph.D.	Chair/e	
Yang Yang	Biostatistics	Ph.D.	Chair/e	P
Jack L. Follis	Biostatistics	Ph.D.	Chair/t	08/11
Xuemei Wang	Biostatistics	Ph.D.	Chair/t	W
Jin Young Byun	Biostatistics	Ph.D.	Chair/e,t	5/12
Wei Qiao	Biostatistics	Ph.D.	Chair/e	P
Yunfei Wang	Biostatistics	Ph.D.	Chair/e,t	5/12
Xuemin Gu	Biostatistics	Ph.D.	Chair/e	P
Jin Huang	Biostatistics	Ph.D.	Chair/t	5/09
Shenyng Fang	Biostatistics	Ph.D.	Chair/e	P,5/08
Yiqun Zhang	Biostatistics	Ph.D.	Chair/e	W
Xionghua Wu	Biostatistics	Ph.D.	Chair/e,t	5/07
Jingping Sun	Biostatistics	Ph.D.	Chair/e	W
Qiang Zhang	Biostatistics	Ph.D.	Chair/e,t	5/05
Yong J. Mun	Biometry	Ph.D.	Chair/e	5/03
Hyung-Woo Kim	Biostatistics	Ph.D.	Chair/e	P,5/05
Kathleen R. Watson	Biometry	Ph.D.	Chair/e	W
Yue-Peng Li	Biostatistics	Ph.D.	Chair/e	P
John C. Allen	Biostatistics	Ph.D.	Chair/t	8/04
Minjeong Park	Biostatistics	Ph.D.	Member/t	12/13
Tao Wang	Biostatistics	Ph.D.	Member/t	12/12
Jang Hyeok Yun	Biostatistics	Ph.D.	Member/t	12/11
Lee Cheng	Biostatistics	Ph.D.	Member/t	12/12
Jin Huang	Biostatistics	Ph.D.	Member/e	P
Elizabeth Waltz	Biostatistics	Ph.D.	Member/t	5/10
Suzanne R. Doyle	Biometry	Ph.D.	Member/e	8/01
David Herbert	Biometry	Ph.D.	Member/t	5/99
Hui Zhao	Biometry	Ph.D.	Member/e	P
Xiangjun Gu	Biometry	Ph.D.	Member/e	12/07

Graduate Student Committees:

<u>Name</u>	<u>Discipline/Module</u>	<u>Degree</u>	<u>Role</u>	<u>Graduation</u>
Sonali Sarkar	Behavioral Sciences	DrPH	Member/t	5/14
Syed W. Noor	Behavioral Sciences	Ph.D.	Member/t	05/12
Debby D. Luce	Biological Sciences	Ph.D.	Member/t	5/97
Jinying Zhao	Biological Sciences	Ph.D.	Member/e,t	5/05
Michelle R. Dewhurst	Biological Sciences	Ph.D.	Member/e	P
Richard Lo	Environmental Sciences	Ph.D.	Member/e,t	12/10
Sheryl Maruca	Environmental Sciences	Ph.D.	Member/t	P
Li Jiao	Environmental Sciences	Ph.D.	Member/e,t	8/04
Xing Zhou	Environmental Sciences	Ph.D.	Member/e	
Silvia M. Maberti	Environmental Sciences	Ph.D.	Member/e	5/05
Tasnuva Rashid	Epidemiology	Ph.D.	Member/t	
Bassent E Abdelbary	Epidemiology	Ph.D.	Member/t	
Renata H. Benjamin	Epidemiology	Ph.D.	Member/t	5/16
Jaennie Yoon	Epidemiology	Ph.D.	Member/t	
Dimpy P. Shah	Epidemiology	Ph.D.	Member/t	12/13
Liyue Tong	Epidemiology	Ph.D.	Member/t	12/13
Rebecca S. Bryson	Epidemiology	Ph.D.	Member/t	12/14
Lucio Malvisi	Epidemiology	Ph.D.	Member/e,t	12/15
Shana O'Heron	Epidemiology	Ph.D.	Member/t	5/12
Anh Tuan Nguyen	Epidemiology	Ph.D.	Member/e	5/14
Hung N. Luu	Epidemiology	Ph.D.	Member/e	P
Ha Tran	Epidemiology	Ph.D.	Member/e	P
Kristina M. Walker	Epidemiology	Ph.D.	Member/t	8/09
Byron Oujesky	Epidemiology	Ph.D.	Member/t	5/10
Thanh Q. Tran	Epidemiology	Ph.D.	Member/t	5/08
Allison J. Ottenbacher	Epidemiology	Ph.D.	Member/e	5/09
David B. Huang	Epidemiology	Ph.D.	Member/e	P,8/05
Matthew C. Mireles	Epidemiology	Ph.D.	Member/e	P,8/04
Eva Shipp	Epidemiology	Ph.D.	Member/e	P,8/05
Habiba Suleman	Epidemiology	Ph.D.	Member/t	05/03
Hua Zhao	Epidemiology	Ph.D.	Member/e	P,8/03
Chiehwen E. Hsu	Management and Policy Study	Ph.D.	Member/e,t	8/01
Chin-fun Chu	Management and Policy Study	Ph.D.	Member/e,t	
Nkiruka S. Ojukwu	Management and Policy Study	Ph.D.	Member/t	

Graduate Student Committees:

<u>Name</u>	<u>Discipline/Module</u>	<u>Degree</u>	<u>Role</u>	<u>Graduation</u>
Aron M. Trevino	Biostatistics	M.S.	Chair/t	12/14
Chinmay Mungi	Biostatistics	M.S.	Chair/t	12/17
Wenjun Zheng	Biostatistics	M.S.	Chair/a	
Wei Zou	Biostatistics	M.S.	Chair/t	
Miao Sun	Biostatistics	M.S.	Chair/a	5/14
Yiwen Cao	Biostatistics	M.S.	Chair/t	P
Nainan Hei	Biostatistics	M.S.	Chair/t	5/14
Ming Yang	Biostatistics	M.S.	Chair/t	8/12
Alex Liu	Biostatistics	M.S.	Chair/t	8/12
Ge Yang	Biostatistics	M.S.	Chair	
Xiayu Rao	Biostatistics	M.S.	Chair	12/12
Hyunsoo Hwang	Biostatistics	M.S.	Chair/a,t	8/12
Christopher M. Manuel	Biostatistics	M.S.	Chair	8/14
Abhinav Golla	Biostatistics	M.P.H.	Chair/a	12/17
Bo Zhao	Biostatistics	M.P.H.	Chair/a	5/16
Wensheng Sun	Biostatistics	M.P.H.	Chair/a,t	05/11
Richard R. Sharp	Biostatistics	M.P.H.	Chair	W
Yi Cai	Biostatistics	M.S.	Chair/a,t	08/11
Ying Cao	Biostatistics	M.S.	Chair	12/12
Gangduo Wang	Biostatistics	M.S.	Chair	8/12
Shanghai Yin	Biostatistics	M.S.	Chair	
Fei Jiang	Biostatistics	M.S.	Chair	12/09
Yunfei Wang	Biostatistics	M.S.	Chair/a,t	8/06
James Lynch	Biostatistics	M.S.	Chair/a,t	
Kevin Garey	Biostatistics	M.S.	Chair/a,t	5/07
Tao Zhang	Biostatistics	M.S.	Chair	
Jingping Sun	Biostatistics	M.S.	Chair	
Saeed Payvar	Biostatistics	M.S.	Chair/a,t	8/05
Hui Lu	Biostatistics	M.S.	Member	08/11
Kai Yan	Biostatistics	M.S.	Member	5/08
Degang Wang	Biostatistics	M.S.	Member	12/08
Lee Cheng	Biostatistics	M.S.	Member	P
Rita Weathers	Biostatistics	M.S.	Member	5/07
Yongquan Dong	Biostatistics	M.S.	Member	8/07
Yan Zhang	Biostatistics	M.S.	Member	5/07
Rui Xia	Biostatistics	M.S.	Member	9/07
Kai Sun	Biostatistics	M.S.	Member	8/06

Graduate Student Committees:

<u>Name</u>	<u>Discipline/Module</u>	<u>Degree</u>	<u>Role</u>	<u>Graduation</u>
Hui Liu	Biometry	M.S.	Chair/a,t	8/05
Shenyang Fang	Biometry	M.S.	Chair/a,t	8/04
Lawrence Levy	Biometry	M.S.	Chair/a,t	8/04
Meng-Fen Wu	Biometry	M.S.	Chair/a,t	5/03
Qi Wei	Biometry	M.S.	Chair/a,t	12/01
Jin Huang	Biometry	M.S.	Chair/a,t	8/03
Mei Lu	Biometry	M.S.	Chair/a	12/04
Hui Zhao	Biometry	M.S.	Member	P
Fengwei Zhong	Biometry	M.S.	Member	5/04
Bonnie Meadows	Biometry	M.S.	Member	12/04
Carol G. Rochester	Biometry	M.S.	Member	5/98
Kathleen R. Watson	Biometry	M.S.	Member	12/97
Hui Liu	Environmental Sciences	M.S.	Member	8/97
Guozhen Ma	Environmental Sciences	M.S.	Member	5/97
Xiaobing Wu	Environmental Sciences	M.S.	Member	8/97
Douglas Niemtschk	Environmental Sciences	M.S.	Member	12/96
Amber L. Williams	Epidemiology	M.S.	Member	05/08
Sharon Silver	Epidemiology	M.S.	Member	12/01
Ming Teng	Epidemiology	M.S.	Member	5/97
Marina Gorbora	Epidemiology	M.S.	Member	8/00
Matthew D. Feist	Epidemiology	M.S.	Member	5/00
Robert E. Hanson	Epidemiology	M.S.	Member	8/97
Hui Zhao	Epidemiology	M.S.	Member	5/99
Hong Guo	Epidemiology	M.S.	Member	5/99
Shouming Kong	Epidemiology	M.S.	Member	12/00
Elizabeth E. Sablotne	Epidemiology	M.S.	Member	12/06
Caroline A. Schrodt	Epidemiology	M.S.	Member	05/12
Nan Li	Epidemiology	M.S.	Member	05/12
Kellie L. Watkins	Epidemiology	M.S.	Member	08/12
Poonam Ramesh Deshmukh	Epidemiology	M.P.H.	Member	08/13

Graduate Student Committees:

<u>Name</u>	<u>Discipline/Module</u>	<u>Degree</u>	<u>Role</u>	<u>Graduation</u>
Coreen Domingo	International and Family Health	Dr.P.H.	Chair/t	5/10
Syed Shah	International and Family Health	Dr.P.H.	Chair/e	W
Qiang Zhang	International and Family Health	Dr.P.H.	Chair/e	W
Steve Hwong Wei	International and Family Health	M.P.H.	Chair/a	12/06
Lisa R. Inchani	International and Family Health	M.P.H.	Chair/a,t	12/06
Ami P. Shah	International and Family Health	M.P.H.	Chair/a	5/06
Consuelo M. Ramirez	International and Family Health	M.P.H.	Chair/a,t	8/06
Mei Yuan Chen Huang	International and Family Health	M.P.H.	Chair/a	8/04
Reza Alizadeh-Naderi	International and Family Health	M.P.H.	Chair/a	5/03
Rohit R. Das	International and Family Health	M.P.H.	Chair/a,t	8/03
Karim Kohil	International and Family Health	M.P.H.	Chair/a	5/02
Carolyn Bachino	International and Family Health	M.P.H.	Chair/a	5/02
Abul K. Sadeque	International and Family Health	M.P.H.	Chair/a	12/01
Lan Li	International and Family Health	M.P.H.	Chair	W
Sokchea L. Yim	International and Family Health	M.P.H.	Chair/a	5/01
Mary L. Quincey	International and Family Health	M.P.H.	Chair	W
Maria Hoang	International and Family Health	M.P.H.	Chair/a	5/05
Courtney L. Barr	International and Family Health	M.P.H.	Chair	W
Karen K. Chang	International and Family Health	M.P.H.	Chair	W
Nelson Gonzalez	International and Family Health	M.P.H.	Chair/a	5/00
James C.C. King	International and Family Health	M.P.H.	Chair	W
Qiang Zhang	International and Family Health	M.P.H.	Chair/a	12/99
Dolly A. John	International and Family Health	M.P.H.	Chair/a,t	8/02
Priya Balasubramanian	International and Family Health	M.P.H.	Chair	W
Judy Chi	International and Family Health	M.P.H.	Chair/a,t	5/99
Adam H. Kinsey	International and Family Health	M.P.H.	Chair	W
Cuijiung S. Yeh	International and Family Health	M.P.H.	Chair/a	8/97
Max E. Otiniano	International and Family Health	M.P.H.	Chair/a	5/00
Ashu Kumar	International and Family Health	M.P.H.	Chair/a	8/98
Himagouri Nidamarthy	International and Family Health	M.P.H.	Chair/a	5/02
David B. Huang	International and Family Health	M.P.H.	Member	12/01
Aijaz A. Khowaja	International and Family Health	M.P.H.	Member	8/05

Graduate Student Committees:

<u>Name</u>	<u>Discipline/Module</u>	<u>Degree</u>	<u>Role</u>	<u>Graduation</u>
April L. Clark	Disease Control	Dr.P.H.	Member/e,t	5/08
Muhadditha Mehdi	Disease Control	Dr.P.H.	Member/t	8/02
Damon J. Vidrive	Disease Control	Dr.P.H.	Member/t	8/02
Allison P. Edwards	Health Service Organization	Dr.P.H..	Member/t	5/06
Sue Iha	Occupational/Environmental Health	Dr.P.H.	Member/t	W
Jose Horacio Tovalin	Occupational/Environmental Health	Dr.P.H.	Member/t	08/03
Karolina E. Murguia	Community Health Practice	M.P.H.	Member	5/09
Matthew L. Stone	Community Health Practice	M.P.H.	Member	12/01
Elizabeth A. Nelson	Community Health Practice	M.P.H.	Member	12/01
Cherie A. Torres-Silva	Community Health Practice	M.P.H.	Member	12/03
Damon J. Vidrine	Disease Control	M.P.H.	Member	P
Kiran Motaparathi	Health Service Organization	M.P.H.	Member	
Stephanie C. Moses	Health Service Organization	M.P.H.	Member	08/10
Joan E. Weser	Health Service Organization	M.P.H.	Member	
Anthony Stem	Health Service Organization	M.P.H.	Member	5/07
Kevin A. Grimes	Health Service Organization	M.P.H.	Member	12/07
Sandra L. Solowieiczuk	Health Service Organization	M.P.H.	Member	
Michelle M. Sheffield	Health Service Organization	M.P.H.	Member	
Bethany Gingera	Health Promotion/Health Education	M.P.H.	Member	
Cristina Barroso	Health Promotion/Health Education	M.P.H.	Member	5/98
Lynne Hester	Health Promotion/Health Education	M.P.H.	Member	5/97
Linda N. Young	Health Promotion/Health Education	M.P.H.	Member	W
Janet M. Sterner	Health Promotion/Health Education	M.P.H.	Member	8/00
Wendy G. Key	Occupational/Environmental Health	M.P.H.	Member	P
Yuling Chen	Occupational/Environmental Health	M.P.H.	Member	8/00

References:

- Dr. Robert J. Hardy, Professor of Biostatistics
Allan King Professor in Public Health
The University of Texas
Health Science Center at Houston
School of Public Health
1200 Herman Pressler Street, Suite E827
Houston, TX 77030
Phone: 713 500-9524
E-mail: bhardy@sph.uth.tmc.edu

- Dr. Guanrong Chen, Chair Professor.
City University of Hong Kong
83 Tat Chee Avenue
Kowloon, Hong Kong SAR, China
Phone: 852-2788-7922
E-mail:gchen@ee.cityu.edu.hk

- Dr. John J. Wiorkowski, Professor of Statistics, Associate Provost.
School of Management
The University of Texas at Dallas
P.O. Box 830688, MS EC35
Richardson, Texas 75083-0688
Phone: 972 883 2175
Fax: 972-883-6622
E-mail: wiorkow@utdallas.edu

- Dr. Suojin Wang, Professor of Statistics
Department of Statistics
Texas A & M University
College Station TX 77843-3143
Phone: 409 845 3164
Fax: 409 845 3144