Updated Nov 2023

Jiajia Zhang
Personal Information

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Current Address: Department of Epidemiology and Biostatistics
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Columbia, SC, 29208, USA

Education

- **Memorial University** — St. John's, NL, Canada
  Ph.D. in Biostatistics *Sep 2003–Oct 2007*
- **East China Normal University (ECNU)** — Shanghai, China
  M.Sc in Statistics *Sep 2000–Sep 2003*
- **East China Normal University** — Shanghai, China
  B. Sc in Applied Mathematics *Sep 1996–Sep 2000*

Professional Experience

- **Chief of the Biostatistics Division** *Aug 2019–*
  Department of Epidemiology and Biostatistics, University of South Carolina
- **Professor** *Jan 2019–*
  Department of Epidemiology and Biostatistics, University of South Carolina
- **Core Faculty** *2019–*
  South Carolina SmartState Center for Healthcare Quality (CHQ), University of South Carolina
- **Faculty Affiliate** *2016–2019*
  South Carolina SmartState Center for Healthcare Quality (CHQ), University of South Carolina
- **Tenured Associate Professor** *May 2013–Dec 2018*
  Department of Epidemiology and Biostatistics, University of South Carolina
- **Assistant Professor** *Aug 2007– May 2013*
  Department of Epidemiology and Biostatistics, University of South Carolina
- **Research and Teaching Assistant** *Sep 2003–Jun 2007*
  Department of Mathematics and Statistics, Memorial University, Canada
- **Lecturer** *Jan–Apr 2006*
  Department of Mathematics and Statistics, Memorial University, Canada
- **Professional Development Facilitator** *Sep–Dec 2005; 2006*
  Instructional Development Office, Memorial University, Canada
- **Research and Teaching Assistant** *Sep 2000-Jul 2003*
  Department of Statistics, East China Normal University, Shanghai, China

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Professional Membership

- American Statistical Association
- International Chinese Statistical Association
- Statistical Society of Canada
- Mu Chapter of Delta Omega Honor Society

Honors and Awards

- **Breakthrough Leadership Award** 2022
  University of South Carolina, Columbia, SC
- **Research Award of Arnold School of Public Health** *2021*
  University of South Carolina, Columbia, SC
- **Fellow of the School of Graduate Studies** *2007*
  Memorial University, Canada
- **Atreya-Haritha Scholarship in Mathematics** *2006-2007*
  Memorial University, Canada
- **Graduate Fellowship** *2003-2007*
  Memorial University, Canada
- **Student Travel Award** *June 2005*
  Department of Epidemiology and Biostatistics, University of South Carolina
- **Fellow of Excellent Graduate Studies** *2003*
  East China Normal University, Shanghai, China
- **Excellent Graduate Student Scholarship** *2001*
  East China Normal University, Shanghai, China
- **Excellent Graduate Fellow** *2001*
  East China Normal University, Shanghai, China
- **Undergraduate Scholarship** *1996-1999*
  East China Normal University, Shanghai, China

Professional Activities

- Editorial Board
  - Guest Editor- AIDS Care Special Issue: Harnessing Big Data to End HIV 2022-2023
  - Journal of Nonparametric Statistics 2022-
  - STAT 2021-
  - Neurosurgery 2010-
- Grant Reviewer
  - Member of the Health Services: Quality and Effectiveness Study Section (HSQE), Healthcare Delivery and Methodologies Integrated Review Group (HDM), CENTER FOR SCIENTIFIC REVIEW (CSR), for a term. 07/01/2023-06/30/2027
  - NIH: Topics in Health Services and Clinical Informatics Research (ZRG1 HSS-B (90)) Nov, 2022
  - NIH: Health Services: Quality and Effectiveness Study Section, Healthcare Delivery and Methodologies Integrated Review Group Feb, 2022
  - Dutch Research Council (NWO) July, 2021
  - NIH: Research related to Coronavirus Disease 2019 (COVID-19) (ZRG1 GGG-K91S) Dec 2, 2020
  - NCI Special Emphasis Panel ZCA1 TCRB-O (C1) May 12-13 2020
  - NIH SCORE program reviewer July, 2019
  - NIH F17 reviews AIDS related training applications (ZRG1 F17) March 2019
  - NIH/CSR Behavioral/Social Science Methods and Measurement Special Emphasis Panel (SEP) Jan 2019
  - NCI Special Emphasis Panel (ZCA1 SRB-2 (J1)), Hyatt Regency Bethesda, Bethesda, MD Sep 26-- 27 2017

- Transfusion Medicine Grant Review Meeting (ZRG1 VH-D55 VM) Mar 6--7 2017
- Transfusion Medicine Grant Review Meeting (ZRG1 VH-D55 IAM) Mar 2--3 2016
- Selected Topics in Transfusion Medicine (ZRG1 VH-F (55)) Feb 5--6 2015
- Huazhong University of Science and Technology (HUST), China: Academic Frontier Youth Team Project Sep 2015

- Conference Organizing Committee
  - Big Data Health Science Virtual Conference 2022,2021
  - Big Data Health Science Conference, Columbia, SC 2020
  - ICSA, North Carolina, USA June, 2019
- Other Conference Services
  - Student Papers Judge
    - ICSA 2019
    - Lifetime Data Science (LiDS) Conference 2019
  - Session Organizer Feb,
    - Big Data Health Science Conference -EHR breakout session, SC 2020,2021,2022
    - ICSA, NC, USA June, 2019
    - Eco-Stat - Hongkong, China July, 2018
    - ICSA - Qingdao, China July, 2018
    - ICSA - Canada Chapter Symposium, Vancouver, CA Aug, 2017
    - ICSA 2016 Applied Statistical Symposium, Atlanta June,2016
    - ICSA Shanghai Statistics Conference, Fudan, Shanghai, China July, 2015
    - Annual Meeting of the Statistical Society of Canada May,2014
    - ICSA-KISS 2014 Joint Applied Statistics Symposium, Portland June, 2014
  - Session Chair
    - ICSA Applied Statistical Symposium, Atlanta
    - IMS-China International Conference on Statistics and Probability, Kunming, Yunnan, China June, 2016 July, 2015
    - *Annual Meeting of the Statistical Society of Canada* May, 2014
    - *Joint Statistical Meetings*, Miami, FL Aug, 2011
    - *ICSA 2011 Applied Statistical Symposium*, New York City 2011
    - *Joint Statistical Meetings*, Denver, Colorado Aug, 2008
- Math Alliance: Mentor 2020-
- Journal Review Services:
  - Biometrics, Biostatistics, Statistics in Medicine, Statistical Methods in Medical Research, Statistic Sinica, Technometrica, Computational Statistics and Data Analysis, Lifetime Data Analysis, Journal of Non-parametric Statistics, Journal of Computational and Graphical Statistics, Journal of Biopharmaceutical Statistics, Electronic Journal of Statistics, Biometrical Journal, Statistical Modelling, Pharmaceutical Statistics, Journal of Applied Statistics, Journal of Computational and Simulation, Computational statistics, Journal of Probability and Statistics, Spatial Statistics, Journal of Statistical Theory and Practice, Communication in Statistics: Theory and Method, Communication in Statistics: Computation and Simulation, JAMA Pediatrics Neurosurgery

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University Services

- University Level
  - UCTP 2019-2022
  - Discovery Day Judge April 22 2016; 2017; 2018

- Aspire Reviewer — March 2014, Nov 2018

- School Level
  - Research Award Committee — Spring 2022
  - CHQ Junior Scholar program — 2020, 2021, 2022
  - Scholastic Standards and Petitions — Aug 2017-
  - Public Health T& P Committee — Aug 2013-
  - Information Technology and Resources — Sep 2013–2017
- Department Level
  - Biostatistical Position Search Committee Chair — 2017, 2019, 2021, 2022
  - Member of Admission Committee — Aug 2008-
  - Member of Exam Committee — Aug 2008–2012, Aug 2017–2019
  - Organizing Bios Forum — Aug 2010–Aug 2014
  - Epidemiology Course Curriculum Committee — Aug 2011-2012
  - Epidemiology Methods Search Committee — Oct 2011-2012
  - Member of Course Competencies Subcommittee — Aug 2007–2008

Course Taught

Department of Epidemiology and Biostatistics, University of South Carolina

- Bios746, Complex Survey Design, — Spring 2021
- Bios845 Doctoral Seminar, — Every Spring 2010-2016, Spring 2021, Spring 2023
- Bios811, Survival Analysis II, — Every other year 2009-2015, Spring 2018, 2020,2022
- Bios810/761, Survival Analysis I, — Every Fall 2010-2022
- Bios758, Advanced Linear Models in Biostatistics, — Spring 2019
- BiosJ757, Intermediate Biometrics, — Spring 2016
- Bios745 Master Seminar, — Spring 2014
- Bios701, Concepts and Methods of Biostatistics, — Fall 2011
- Bios700, Introduction to Biostatistics, — Fall 2008

Student Advisory

- **Visiting Scholar & Postdoc**
  - Yijun Wang, Doctor Student in Statistics, East China Normal University, Sep 2016– Sep 2017.
  - Junying Zhang, Doctor Student in Statistics, East China Normal University, Sep 2015– Feb 2016.
  - Xiangrong Liu, Associate Professor, School of Mathematics and Statistics, Zhejiang University of Finance and Economics, Sep 2014–Sep 2015.

- Wenli Deng, Associate Professor in Statistics, Department of Mathematics and Information Science, Jiangxi Normal University, Nov 2012–Apr 2013.
- Haifeng Li, Doctor Student in Statistics, East China Normal University, June 2011–June 2012.
- Ji Luo, Post-doc fellow, Associate Professor in Statistics, School of Mathematics and Statistics, Zhejiang University of Finance and Economics, Feb. 2010– Mar. 2011.

- **Doctoral Student**

1. Jiayang Xiao (Candidate), 2022.
2. Ziang Liu (Candidate), 2022.
3. Buwei He (Candidate), 2022.
4. Haoyuan Gao (Candidate), 2021.
5. Yunqing Ma (Candidate), 2021.
6. Ruilie Cai (Candidate), 2020.
7. Xiaowen Sun (Candidate), 2018.
8. Shujie Chen (Ph. D, 2023), "Survivals Models with Background Mortality"; Postdoc at Department of Epidemiology and Biostatistics, University of South Carolina (2023).
9. Siyuan Guo (PhD, 2022)," Complex Functional Joint Models for Longitudinal Electronic Health Record"; Postdoc at Duke University (2022).
10. Ennan Gu (PhD, 2020), "Flexible Regression Models for Survival Data"; Biostatistician, Novartis Pharmaceuticals, Boston (2020-).
11. Jie Zhou (PhD, 2018), "Complex Survival Models and Their Applications in Epidemiology Studies"; Biostatistician, Novartis Pharmaceuticals (2021-).
12. Yinding Wang (PhD, 2017)," Semiparametric Estimation Methods for Complex Accelerated Failure Time Model"; Biostatistician, Centers for Disease Control and Prevention (CDC), Atlanta, Georgia (2017-).
13. Chao Cai (PhD, 2013), "Advanced Methodology Developments in Mixture Cure Models"; Outstanding Student in Biostatistics 2013; Clinical Assistant Professor, Clinical Pharmacy and Outcomes Sciences, College of Pharmacy, USC (2019-).
14. Songfeng Wang (PhD, 2012), "Extending Sample Size Calculation for the Cox Proportional Hazards Model"; Outstanding Student in Biostatistics 2012; Statistician at Wells Fargo, San Francisco, California
15. Linzhi Xu (PhD, 2009), "Estimation Methods for the Extended Semiparametric Accelerated Failure Time Models"; Biostatistician, Regeneron Pharmaceuticals Inc, NJ .

- **Master Student**

1. Jiayin Yi (MPH, 2022)," Modified EM Algorithm in SMCURE Package Based on Proportional Hazards Mixture Cure Model with Offset Terms"; Doctoral candidate 2022.
2. Shujie Chen (MPH, 2019), "An Extension of a Risk-Based Measure of Time-Varying Prognostic Discrimination for Survival Models", Doctoral candidate 2019.
3. Yanan Zhang (MPH, 2019), "Marginal Structure Cox Model for Survival Data with Treatment-Confounder Feedback"; Doctoral candidate 2019.
4. Shanshan Hong (MPH, 2017), "Evaluation of Goodness-of-Fit Tests for the Cox Proportional Hazards Model with Time-Varying Covariates."
5. Yihong Zhan (MPH, 2016), "Sample Size Calculation for PH Mixture Cure Model"; Statistician, Department of Education, SC.
6. Myra Robinson (MPH, 2014), "Mixture Cure Models: Simulation Comparisons of Methods in R and SAS".

7. Jie Zhou (MPH, 2014), "A Multiple Imputation Approach For Semiparametric Cure Model With Interval Censored Data"; Doctoral candidate 2014.
8. Jaymie Shanahan (MPH, 2012), "A New Method for the Comparison of Survival Distributions".
9. Yinding Wang (MPH, 2012), "Simulation Comparisons of Semi-parametric Accelerated Failure Time Model with Different Bandwidths"; Doctoral candidate 2012.
10. Han Sun (MPH, 2010), "Estimations of Relative Risk: Simulation Comparisons of Popular Methods in SAS and R"; Biostatistician in Cleveland Clinic, Ohio, US.

Dissertation Committee (Current as italic)

- **Doctoral committee**
  - **Biostatistics**
    - Department of Epidemiology and Biostatistics

      Anja Zgodic

Roy Bower	Nusrat Harun	Ahmed Al-hadhrami
Chun Pan	Candace Porter	Sumithran Rasathurai

    - Medical University of South Carolina

      Georgiana Onicescu

  - **Epidemiology**

    Longgang Zhao

Amandeep Kaur	*Prem Bhattacharjee*	*Maxwell Akonde*
Bezawit Kase	*Omonefe Omofuma*	*Rajat Das Gupta*
Cassie Odahowski.	Georges El Nahas	John Kuntz
Jiali Zheng	Fred Tabung	Yong-Moon (Mark) Park
Shraddha Vyas	Deepika Shrestha	Avnish Tripathi
Marsha Samson	Afiba Manza-Azele Agovi	Leepao Khang

  - **Statistics**
    - Department of Statistics, Uof SC

Qiang Zheng	Xiang Li	Li Li
Haiming Zhou	Junshu Bao	Blake Hill
Nancheng Wang	Yuhui Chen.	Jinxin Gao

    - Department of Statistics, University of Saskatchewan, CA

      Annshirley Afful

  - **Other Disciplines**
    - Department of Health Promotion, Education, and Behavior

Chengbo Zeng	Yanping Jiang	Wendi Da

    - Department of Health Services, Policy and Management

Hasan Areabi	Margarita Pate	Lisa Melvin
Andre Melvin	Sean Wu	Wendy Li
Khairul Alam Siddiqi	Shiba Bailey	

- Department of Computer Science and Engineering

Yan Zhang

- Department of Mathematics

Xiao Xiao Li Tian

- **Master committee**
  - **Biostatistics**

Reid Demass

Nicole Nasrallah	Yilun Zhang	Genevieve Ray Lyons
Xin Tong	Andrew Ortaglia	Jie Zhang

  - **Epidemiology**

Paige Anderson	Chantaezia Joseph	Tsion Kidanie
Chisom Onyeuku	Lareissa Stumm	

- **Consulting Practice Advisor:**
  Ike Ogbuanu, MD, MPH

- **Undergraduate Students Mentoring—Program with Nanjing Medical University**

Jiani Liu, 2022	Shuoyuan Tan, 2022	Chuanrui Sun, 2021
Yuanyuan Wang, 2021	Rong Fan, 2020	Jing Zhang, 2020
Quifen Sun, 2019	Qi Jin, 2018	Shujie Chen, 2017
Jiawei Zhou, 2019	Zihang Zhong 2018	Yin Wang 2017

Major Research Interests

- Semiparametric/Nonparametric methods and inference for survival data
  - Mixture cure model
  - joint modelling
  - background mortality model,
  - illness disease model
  - competing risk model
- Personalized medicine
- Big data analysis for the Electronic Health Records
- Machine learning: pattern analysis, classification and prediction

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Grants

Principal Investigator

1. Big Data Analytics Emerging Scholar (e-Scholar) Program for Minority Students (NIH R25)
   Project Number: 1R25AI172761 - 01
   Role: MPI (X. Li and **J. Zhang (15%)**)

Effective date: 12/01/2023-11/30/2028
Total award: $1,754,040

2. Big Data Health Science Fellow Program in Infectious Disease Research (NIH R25)
   Project Number: R25AIAI164581-01
   Role: MPI (X. Li and **J. Zhang (15%)**)
   Effective date: 08/04/2021-07/30/2026
   Total award: $1,755,000

3. Big Data Analytics Community Scholar (c-Scholar) program
   Project Number: R25AI164581-03S1
   Role: MPI (X. Li and **J. Zhang**)
   Effective date: 08/18/2023-07/31/2024
   Total award: $108,000

4. Patterns and predictors of viral suppression: A Big Data approach (NIH R01)
   Project Number: R01AI164947-01
   Role: MPI, (B. Olatosi and **J. Zhang (25%))**
   Effective date: 6/9/21-5/31/26
   Total award: $3,563,500

5. Sexual Orientation and Gender Identity measures and viral suppression for People Living with HIV using integrated electronic health records
   Project Number: 3R01AI164947-03S1
   Role: MPI, (B. Olatosi and **J. Zhang (5%))**
   Effective date: 06/01/2023-05/31/2024
   Total award: $$99,994

6. Impact of viral suppression status and aging on cardiovascular disease: A 15 -year follow up study of a statewide cohort of People with HIV
   Project Number: 3R01AI164947-03S2
   Role: MPI, (B. Olatosi and **J. Zhang (5%))**
   Effective date: 08/22/2023-05/31/2024
   Total award: $228,057

7. Visualization and Predicting New and Late HIV Diagnosis in South Carolina (NIH Bridge Award)
   Project Number: R56AI174896-01A1
   Role: MPI (X. Li and **J. Zhang (15%)**)
   Effective date: 05/01/2023-04/30/2024
   Total award: $699,122

8. Personalized Prediction of Viral Suppression among Underrepresented Population Using All of Us Data
   Project Number: 5R01AI164947 - 03
   Role: MPI, (B. Olatosi and **J. Zhang (5%))**
   Effective date: 08/01/2022-05/31/2023
   Total award: $107,340

9. An Ethical Framework-Guided Metric Tool for Assessing bias In EHR-Based Big Data Studies
   Project Number: 5R01AI164947 - 02
   Role: MPI, (B. Olatosi and **J. Zhang (5%))**
   Effective date: 08/01/2022-05/31/2023
   Total award: $286,730

10. Improving Mental Health Utilization through Advanced Statistical Modeling using Multiple Hospital Electronic Health Record (Big Data Health Science Center 2020-2021 Pilot Project Program, UofSC)
    Project number: BDHSC-2020-15
    Role: PI (10%)
    Effective Date: 08/16/2020-8/15/2022
    Total award: $42,985

11. AFT/PH Cure-rate Algorithms with Background Survival Mixture Cure Rate (parametric) Approaches with PH/AFT Cure Model Inclusion of Background Mortality (F. Hoffman La Roche) Role: PI (10%)
    Effective Date: 07/01/2016–07/18/2017
    Total amount awarded: $53,356

12. Innovative Spatio-Temporal Survival Models Allowing Crossing Survival, (NIH R03)
    Project Number: R03CA176739
    Role: MPI (T. Hanson and **J. Zhang (10%)**)
    Effective Date: 1/1/2014– 12/31/2016
    Total amount awarded: $141,056

13. Innovative Spatial Survival Models with Geographically Varying Coefficients, (NIH R03)
    Project Number: R03CA165110
    Role: PI (10%)
    Effective Date: 2/17/2012–1/31/2015
    Total amount awarded: $145,000

14. Innovative Spatio-Temporal Survival Models Allowing Crossing Survival, (Aspire I Track III UofSC)
    Role: PI
    Effective date: 5/16/2013–9/15/2014
    Total amount awarded: $15,000

15. Sample Size Method and Software Development in Survival Trial with a Cure Rate, (NIH R03)
    Project Number: R03CA150077
    Role: PI (10%)
    Effective Date: 7/1/2010– 6/30/2013
    Total amount awarded: $157,994

16. Development and Evaluation of Spatial Survival Models, (NIH R03)
    Project Number: R03CA139538
    Role: PI (10%)
    Effective Date: 9/1/2009–8/31/2012
    Total amount awarded: $150,466

17. Development and Evaluation of Accelerated Hazards Mixture Cure Model, (NIH R03)
    Project Number: R03CA137790
    Role: PI (10%)
    Effective Date: 8/1/2009– 7/31/2012
    Total amount awarded: $145,152

Co-Investigator

1. The impacts of HIV-related service interruptions during COVID-19 pandemic in South Carolina (PI: Q. Shan)(NIH R01)

Project number: R01AI174892-01A1
Role: Co-I (15%)
Effective date: 5/1/2023-04/30/2027
Total amount award: $2,800,000

2. Patterns and predictors of racial/ethnic disparities in HIV care continuum in the South Approach (PI: X. Yang), (NIH R21)
   Project Number: R21NR021079-01A1
   Role: Co-I
   Effective date: 09/1//2023-08/31/2025
   Total amount awarded: $398,744

3. Delivering Comprehensive and Sustainable HIV/AIDS Clinical and Community Services to Achieve HIV Epidemic Control in Subnational Units in Nigeria (USC Subaward)
   Approach (PI: X. Li), (CDC)
   Project Number: CDC-PEPFAR via CIHP in Nigeria
   Role: Co-I (in kind)
   Effective date: 10/1//2022-9/30/2023
   Total amount awarded: $444,172

4. Examine the geographic and racial disparities of COVID-19 impact on obesity-related behaviors using cellphone-based place visitation data
   Approach (PI: Z. Li), (SBE)
   Project Number: SBE COVID Coordinating Center pilot grant program
   Role: Co-I (in kind)
   Effective date: 12/2022-11/2023
   Total amount awarded: $29,948.

5. Using Taxonomic Meta-Analysis to Identify Strategies to Support HIV Treatment Adherence and Retention (PI: Shan Qiao), NIH/NIMH,
   Project Number: 75N95022P00690
   Role: Co-I (12.5%)
   Effective Date: 09/26/22-09/25/23
   Total Award: $312,362

6. Cancer cell selective killing nanoparticle for advanced ovarian cancer treatment
   Approach (PI: P. Xu), (NIH R01)
   Project Number: 1 R01 CA263747-01A1
   Role: Co-I (1%)
   Effective date: 04/2022-03/2027
   Total amount awarded: $1,849,761

7. Informatics Approach to Identification and Deep Phenotyping of PASC Cases
   Approach (PI: C. Liang), (NIH R21)
   Project Number: 1 R21 AI169139-01A1
   Role: Co-I (8%)
   Effective date: 09/2022-08/2024
   Total amount awarded: $398,311

8. The COVID-19 Vaccine Efficacy among People Living with and without HIV: A Real-World Data Approach (PI: X. Yang), (NIH R21)
   Project Number: 1 R21 AI170159-01A1
   Role: Co-I (10%)
   Effective date: 07/2022-06/2024
   Total amount awarded: $398,261

9. Excellent Initiative: Big Data Health Science Center (BDHSC)
   Role: Electronic Health Core Leader (In kind)
   Effective Date: 08/16/2019-8/15/2023

10. Multi-level Determinants of Racial Disparities in Maternal Morbidity and Mortality During the COVID-19 Pandemic, (PI: X. Li & J. Liu), (NIH R01, supplement)
    Project Number: 3R01AI127203-5S1
    Role: Co-I (15%)
    Effective Date: 09/01/2021–05/31/2023
    Total amount awarded: $886,188

11. Big Data Analytics of HIV Treatment Gaps in South Carolina: Identification and Prediction, (PI: X. Li & B. Olatosi), (NIH R01)
    Project Number: 1R01AI127203-01A1
    Role: Co-I (15%)
    Effective Date: 07/01/2017–06/30/2023
    Total amount awarded: $3,101,969

12. Big Data Driven Clinical Informatics & Surveillance - A Multimodal Database Focused Clinical, Community, & Multi-Omics Surveillance Plan for COVID-19, (PI: X. Li & B. Olatosi), (NIH R01 supplement)
    Project Number: R01AI127203-4S1
    Role: Co-I (10%)
    Effective Date: 06/01/2020-05/31/2023

13. Dietary Supplements and Inflammation, National Institutes of Health (PI: Prakash Nagarkatti), (NIH COBRE)
    Project Number: 2P20GM103641-06A1
    Role: Biostatistician (8%)
    Effective Date: 9/1/2018–8/31/2023
    Total amount awarded: $2,016,232

14. Periodontal antibodies to predict Alzheimer's disease mortality, (PI: A. Merchant), (NIH R21)
    Project Number: R21AG070449
    Role: Co-I (10%)
    Effective Date: 09/15/2020-8/31/2023
    Total amount awarded: $401,420

15. Leveraging the Power of Big Data for Predicting Future STDs among PLWH: A Pilot Study, (PI: B. Olatosi), Big Data Health Science Center 2020-2021 Pilot Project Program
    Role: Co-I
    Effective Date: 08/16/2020-8/15/2022

16. Brain Targeted Nanoparticle for Alzheimer's Disease Therapy, (PI: P. Xu) (NIH R01)
    Project Number: R01AG054839
    Role: Co-I (5%)
    Effective Date: 3/1/2017–2/28/2022

17. Estimating Population Level Infertility and Fertility Treatment Rates, (PI: A. Mclain) (NIH R03)
    Project Number: 1R03HD097287-01
    Role: Co-I (5%)
    Effective Date: 1/19/2019-12/31/2020
    Total Award: $161,710

18. Health Disparities in HIV, Depression and Alzheimer's Disease in South Carolina (PI: M. Brown) (CCADMR)
    Role: Co-I
    Effective Date: 07/2020 – 06/2021
    Total amount awarded: $29,866

19. Interdisciplinary Graduate Training Program in Cancer Disparities, (PI: S. Steck), (Susan G. Komen)
    Role: Mentor Committee
    Effective Date: 06/28/2017-06/27/2020.

20. Center for CAM Research on Autoimmune and Inflammatory Diseases, (PI: P. Nagarkatti), NIH
    Role: Co-I (8%)
    Effective Date: 9/1/2014–8/31/2019
21. Reducing Colorectal Cancer Disparities: Racial Differences in Colorectal Polyp Profile, (PI: S. Xirasagar), (NIH R21)
    Role: Co-I (5%)
    Effective Date: 1/1/2016– 12/31/2018

22. Nano-cocktail Overcomes Multidrug-Resistance for Ovarian Cancer Therapy, (PI: P. Xu), (NIH R15)
    Role: Co-I (1%)
    Effective Date: 07/01/2015-06/30/2018

23. Dietary Supplements and Inflammation, (PI: P. Nagarkatti) (NIH COBRE)
    Role: Biostatistician (25%)
    Effective Date: 9/1/2012–5/31/2018

24. Targeting the p62 Signalosome in Leukemia, (PI: J. Fang), (NIH R01)
    Role: Co-I (5%)
    Effective Date: 07/01/2017–06/30/2018

25. Identifying Predictors of Racial Disparity in Treatment and Mortality among Patients Diagnosed with Breast Cancer in South Carolina and Geospatial Investigation of Breast Cancer Patient Navigation, PI: O. Babatunde, (NIH F31)
    Role: Mentor
    Effective Date: 09/01/2017 - 08/31/2018

26. Supplementary to Reducing Colorectal Cancer Disparities: Racial Differences in Colorectal Polyp Profile, (PI: S. Xirasagar), (NIH R21 supplement)
    Role: Co-I (5%)
    Effective Date: 1/1/2016–12/31/2017

27. Joint Model of the CVD Mortality and Nonlinear Longitudinal Effect of Physical Activity, PI: Jie Zhou*, SPARC, UofSC
    Role: Major Mentor,
    Effective Date: 05/01/2016–09/30/2017

28. HER2 and the Link between Inflammation and Cancer Stem Cells, (PI: H. Chen), (NIH R01)
    Role: Biostatistician,
    Effective date: 8/8/2013-5/31/2017

29. A Geospatial Investigation Of Breast Cancer Health Disparities, (PI: S. Adam), (NIH R15)

Role: Co-I (5%)
Effective Date: 9/19/2014 – 9/18/2016

30. Inflammatory Potential of Diet and Risk of Cancer Mortality in Women, (PI: S. Steck), (American Institute for Cancer Research)
    Role: Biostatistician (5%)
    Effective Date: 1/1/2015–12/31/2016

31. The Gene Polymorphisms among Chinese Dyslexic Children Modulate a Molecular Network Involved in Neuronal Migration, (PI: R. Song) (National Natural Sciences Foundation of China)
    Project Number: NSFC 81273092
    Role: Consultant
    Effective Date: 01/01/2013-12/31/2016,

32. Intervention to Improve Quality of Life for African-American Lupus Patients (IQAN), (PI: E. Williams), (NIH K01)
    Role: Biostatistician (5%)
    Effective Date: 9/1/2012– 8/31/2016.

33. Immunopathological Basis of PTSD, (PI: P. Nagarkatti), (NIH R01)
    Role: Co-I (5%)
    Effective Date: 7/1/2011–6/31/2016

34. Dietary Inflammatory Index and Risk of Breast and Colorectal Cancers, (PI: S. Steck), Prevent Cancer Foundation
    Role: Biostatistician (3%)
    Effective Date: 2/15/2013–2/14/2015

35. Periodontal Microorganisms and Markers of Cardiovascular Disease in Youth, (PI: A. Merchant) American Diabetes Association
    Role: Co-I (5%)
    Effective Date: 7/1/2011–6/31/2014

36. Intracellular Self-Expanding Nanogel for Colon Cancer Therapy, (PI: P. Xu), (SOAR-USC ACS IRG grant)
    Role: Consultant (1%)
    Effective Date: 03/01/2013 – 02/28/2014.

37. Dietary Inflammatory Index and Risk of Cancer in Women, (PI: F. Tabung) (NIH F31)
    Role: Mentor Committee
    Effective Date: 10/01/2013–08/09/2014

38. Identifying Immortal Patients in Population-Based Cancer Registries,
    Role: Consultant
    Date: 9/1/2012-5/15/2013

39. Reducing Cancer Disparities: Incident Cancer after Colonoscopies by Primary Care Physicians, (PI: S. Xirasagar), (NIH R15)
    Role: Co-I (5%)
    Effective Date: 1/1/2011–12/31/2013.

40. Correlation Between Substances Changes of Language-implicated Acupoints and Brain Activation among Chinese Children with Dyslexia, (PI: R. Song), National Natural Sciences Foundation of China

Project Number: No. 30600501
Role: Consultant
Effective Date: Jan 2007

Pending PI Grants

1. Understanding Structural Racism and Racial/Ethnic Disparities in Severe Maternal Morbidity and Mortality: A Dynamic Prediction and Simulation Modeling Approach (MPI: J. Zhang and P. Hung) (NIH R01)
   Project number: R01HD113586
   Score:

2. Impact of COVID-19 on Mental Health Utilization among Black People living with HIV (MPI: B. Olatosi and J. Zhang) (NIH R01)
   Project number: (R01 MH135760)
   Score:

3. Develop deep learning-based imputation methods for missing values in electronic health records
   Project Number: 1R21AI176275-01
   Role: PI
   Score:

4. Big Data Analytics Emerging Scholar (e-Scholar) Program for Minority Students
   Project Number: 1R25AI172761-01
   Role: MPI, (X.Li & **J. Zhang)**
   Score: 32

5. T32 Predoctoral Training in Big Data Analytics for Infectious Disease Research
   Project Number: 1T32AI170488-01A1
   Role: MPI, (X. Li & **J. Zhang (Contact))**
   Score: 30

Selected Unfunded PI Grants

1. A statewide cohort of cancer risk among elderly people living with HIV
   Project Number: 1 R01 AG069531-01
   Role: MPI (A. Alberg, X.Li & **J. Zhang (Contact)**)
   Score: 47 (38%)

2. Improving Mental Health Services Utilization for Suicide in SC via Big Data Science
   Project Number: 1 R01 MH118212-01A1
   Role: MPI (X.Li & **J. Zhang (Contact)**)
   Score: 44

3. Innovative Spatial Survival Model Allowing Short- and Long-Term Cancer Survivors
   Project Number: 1 R21 CA198729-01
   Role: PI
   Score: 30 (17%)

4. A New Spatiotemporal Survival Model Accounting for Geographical Residence Change
   Project Number: 1 R21 CA205519-01
   Role: PI
   Score: 30 (16%)

5. Functional Classification of Longitudinal Fitness Pattern on Cancer Mortality
   Project Number: 1 R21 CA175573-01A1
   Role: PI
   Score: 35 (24%)

Publications in Refereed Journals

("_" indicates the major professor for thesis and dissertation; *indicates students/visitors/faculty mantee, **indicates students, who I serve on their thesis/ dissertation committee)

Methodologies

1. Ghosal, R., Matabuena, M., & **Zhang, J.** (2023) Functional proportional hazards mixture cure model with applications in cancer mortality in NHANES and post ICU recovery, Statistical Methods in Medical Research.
2. Wei, K., Qin, G., **Zhang, J.,** & Sui, X. (2022). Doubly robust estimation in causal inference with missing outcomes: With an application to the Aerobics Center Longitudinal Study. *Computational Statistics & Data Analysis*, *168*, 107399.
3. Zhou, J., **Zhang, J.,** & Lu, W. (2022). TransModel: An R Package for Linear Transformation Model with Censored Data. *Journal of Statistical Software*, *101*, 1-12.
4. Chen, X., Song, R., **Zhang, J.,** Adams, S. A., Sun, L., & Lu, W. (2022). On estimating optimal regime for treatment initiation time based on restricted mean residual lifetime. *Biometrics, 78 (4) 1377-1389*.
5. McLain, A. C., Guo, S., Thoma, M., & **Zhang, J.** (2021). Length-biased semicompeting risks models for cross-sectional data: An application to current duration of pregnancy attempt data. *The Annals of Applied Statistics*, *15*(2), 1054-1067.
6. Zhou, J., **Zhang, J.,** Lu, W., & Li, X. (2021). On restricted optimal treatment regime estimation for competing risks data. *Biostatistics*, *22*(2), 217-232.
7. Wang, Y.*, **Zhang, J**., Cai, C., Lu, W., & Tang, Y. (2021). Semiparametric estimation for proportional hazards mixture cure model allowing non-curable competing risk. *Journal of Statistical Planning and Inference*, *211*, 171-189.
8. Zhou, H.*, Hanson, T., & **Zhang, J**. (2020). spBayesSurv: Fitting Bayesian Spatial Survival Models Using R. *Journal of Statistical Software*, *92*(9), 1–33.
9. Gu, E.*, **Zhang, J**., Lu, W., Wang, L., & Felizzi, F. (2020). Semiparametric estimation of the cure fraction in population-based cancer survival analysis. *Statistics in Medicine*, *39*(26), 3787-3805.
10. Zhou, J., **Zhang, J**., McLain, A. C., Lu, W., Sui, X., & Hardin, J. W. (2020). Semiparametric regression of the illness-death model with interval censored disease incidence time: An application to the ACLS data. *Statistical Methods in Medical Research*, *29*(12), 3707-3720.
11. Zhang, J.*, Wang, H., Zhang, R., & **Zhang, J**. (2020). Sequential feature screening for generalized linear models with sparse ultra-high dimensional data. *Journal of Systems Science and Complexity*, *33*(2), 510-526.
12. Wang, Y*., Tang, Y., & **Zhang, J.** (2020). Bayesian approach for proportional hazards mixture cure model allowing non-curable competing risk. *Journal of Statistical Computation and Simulation*, *90*(4), 638-656.
13. Wang, Y.*, **Zhang, J.,** & Tang, Y. (2020). Semiparametric estimation for accelerated failure time mixture cure model allowing non-curable competing risk. *Statistical Theory and Related Fields*, *4*(1), 97-108.
14. Zhou, J., **Zhang, J**., Mclain, A. C., Lu, W., Sui, X., & Hardin, J. W. (2019). A varying-coefficient generalized odds rate model with time-varying exposure: An application to fitness and cardiovascular disease mortality. *Biometrics*, *75*(3), 853-863.
15. **Zhang, J.**, Hanson, T., & Zhou, H.* (2019). Bayes factors for choosing among six common survival models. *Lifetime data analysis*, *25*(2), 361-379.

16. Zhan, Y., Zhang, Y.*, **Zhang, J**., Cai, B., & Hardin, J. W. (2019). Sample size calculation for a proportional hazards mixture cure model with nonbinary covariates. *Journal of Applied Statistics*, *46*(3), 468-483.
17. Onicescu, G.**, Lawson, A. B., **Zhang, J**., Gebregziabher, M., Wallace, K., & Eberth, J. M. (2019). Spatially-explicit survival modeling with discrete grouping of cancer predictors. *Spatial and spatio-temporal epidemiology*, *29*, 139-148.
18. **Zhang, J.,** Lu, W., & Zhou, J. (2019). Mixed Cure Rate Model. *Wiley StatsRef: Statistics Reference Online*, 1-6.
19. Bower, R.**, Hussey, J. R., **Zhang, J.,** Quattro, J., Muhling, B., Cipolli, W., & Hardin, J. W. (2018). The score test for independence of two marginal Poisson variables. *Communications in Statistics: Case Studies, Data Analysis and Applications*, *4*(3-4), 164-172.
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21. Zhang, Y., Qin, G., Zhu, Z., & **Zhang, J.** (2018). Robust estimation in linear regression models for longitudinal data with covariate measurement errors and outliers. *Journal of Multivariate Analysis*, *168*, 261-275.
22. Kang, S., Lu, W., & **Zhang, J.** (2018). On estimation of the optimal treatment regime with the additive hazards model. *Statistica Sinica*, *28*(3), 1539.
23. Chen, Y.*, **Zhang, J.,** & Xu, Y. (2018). Adaptive lasso for accelerated hazards models. *Journal of Statistical Computation and Simulation*, *88*(15), 2948-2960.
24. Lin, H., Qin, G., **Zhang, J**., & Zhu, Z. (2018). Analysis of longitudinal data with covariate measurement error and missing responses: An improved unbiased estimating equation. *Computational Statistics & Data Analysis*, *121*, 104-112.
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29. Zhang, J.*, Zhang, R., & **Zhang, J.** (2018). Feature Screening for Nonparametric and Semiparametric Models with Ultrahigh-Dimensional Covariates. *Journal of Systems Science and Complexity*, *31*(5), 1350-1361.
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63. Zou, Y.*, **Zhang, J.,** & Qin, G. (2011). A semiparametric accelerated failure time partial linear model and its application to breast cancer. *Computational statistics & data analysis*, *55*(3), 1479-1487.
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Applied Statistics

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74. Cardiorespiratory Fitness as a Predictor of Non-Cardiovascular Disease and Non-Cancer Related Mortality in Men
75. Residential segregation and county level COVID-19 booster coverage in Deep South: Surveillance report and ecological study, JMIR Public Health and Surveillance.
76. Understanding social risk factors of county-level disparities in COVID-19 tests per confirmed case in South Carolina using statewide electronic health records data, BMC Public Health.
77. Human Mobility and the Infectious Disease Transmission: A Systematic Review
78. Fitness Status and Risk of Heart Failure with Preserved Ejection Fraction, submitted.
79. Higher ultra-processed food intake is associated with adverse liver outcomes: a prospective cohort study of UK Biobank participants, The American Journal of Clinical Nutrition
80. Suicide Ideation and Attempts Among Individuals with HIV: A Statewide Population-Level Cohort Analysis Between 2005-2020, JAIDS

81. Liu J, Hung P, **Zhang J**, Olatosi B, Campbell B, Liang C, Shih Y, Hikmet N, Li X. Racial and ethnic disparities in severe maternal morbidity in South Carolina during the COVID-19 pandemic. Annals of Epidemiology.
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Letter to Editor

245. Xie X, **Zhang J**, Song R, Pay Attention to More Factors affecting Children's Mental Health during the Epidemic of COVID-19-Reply, *JAMA Pediatrics*.

246. Wang S, **Zhang J,** Lu W, Reply to the letter to the editor "Sample Size Calculation for the Proportional Hazards Cure Model", *Statistics in Medicine*, 34(17), 2015.
247. Bottai M, **Zhang J**, Reply to the Letter to the Editor, *Biometrical Journal*, 53(5), 861-866, 2011.

Presentations, Conferences and Workshops

(All presentations and seminars are presented by **Jiajia Zhang**)

Invited Talk

1. *Semiparametric Regression of the Illness-Death Model with Interval Censored Disease Incidence Time: an Application to the ACLS Data*, Vitual, JSM, Aug 9-12, 2021
2. *Semiparametric Estimation of the Cure Fraction in Population-based Cancer Survival Analysis*, Vitual, ICSA 2020 Applied Statistics Symposium, Dec 13-16, 2020
3. *A Varying-Coefficient Generalized Odds Rate Model with Time-Varying Exposure*, ICSA,
4. Raleigh, NC, June 9-12, 2019
5. *Nonparametric Estimation of the Semi Competing regression Model with Interval Censored Illness*, ICSA-Qingdao, July 2-5, 2018
6. *Computationally Efficient Estimation for the Generalized Odds Rate Mixture Cure Model with Interval Censored Data, 2017 IMS-China International conference on Statistics and Probability*, Nanning, Guangxi, June 28–July 1, 2017.
7. *Computationally Efficient Estimation for the Generalized Odds Rate Mixture Cure Model with Interval Censored Data, 2017 Lifetime Data Science Conference: Data Science, Precision Medicine and Risk Analysis with Lifetime Data*, University of Connecticut, Storrs, CT, May 25–27, 2017.
8. *Modelling county level cancer survival data using a covariate-adjusted frailty model, International Conference on Advances in Interdisciplinary Statistics and Combinatorics*, Greensboro, NC, Sep 30–Oct 2, 2016.
9. *Modelling county level cancer survival data using a covariate-adjusted frailty model, ICSA Conferences Data Science*, Dali, Yunnan, China, July 2–4, 2016.
10. *Spatial Extended Hazard Model with Application to South Carolina Prostate Cancer Data, ICSA Applied Statistics Symposium*, Atlanta, Georgia, June 12–15, 2016.
11. *Accelerated Intensity Frailty Model for Recurrent Events Data, 2015 IMS-China International Conference on Statistics and Probability*, Kunming, Yunnan, China, July 1–4, 2015.
12. *Spatial Extended Hazard Model with Application to South Carolina Prostate Cancer Data, ICSA Shanghai Statistics Conference*, Fudan, Shanghai, China, July 6–7, 2015.
13. *Accelerated Intensity Frailty Model for Recurrent Events Data, ICSA/Graybill Joint Conference*, Colorado State University, Fort Collins, CO, June 14–17, 2015.
14. *Spatial Extended Hazard Model with Application to South Carolina Prostate Cancer Data The 4th Workshop on Biostatistics and Bioinformatic*, Georgia State University, GA, May 8–10, 2015.
15. *Accelerated Intensity Frailty Model for Recurrent Events Data, South Carolina Statistics Consortium*, Clemens, SC, November 15, 2014.
16. *Accelerated Intensity Frailty Model for Recurrent Events Data, International Conference on Advances in Interdisciplinary Statistics and Combinatorics*, Greensboro, NC, October 10–12, 2014.
17. *Efficient Estimation in Accelerated Intensity Frailty Model for Recurrent Events Data, ICSA-KISS 2014 Joint Applied Statistics Symposium*, Portland, June 15–18, 2014.
18. *Induced smoothing for the semiparametric accelerated hazards model, Joint Statistical Meetings*, Montreal, CA, August 3–8, 2013.
19. *A New Semiparametric Estimation Method for Accelerated Hazards Mixture Cure Model, ICSA 2013 Applied Statistics Symposium/ISBS International Symposium*, Bethesda, Maryland, June 9–12, 2013.
20. *Semiparametric Estimation Methods for the Accelerated Hazards Model, International Conference on Advances in Interdisciplinary Statistics and Combinatorics*, Greensboro, NC, October 5–7, 2012.

21. *Induced Smoothing for the Semiparametric Accelerated Hazards Model, Second Joint Biostatistics Symposium*, Beijing, China, July 8–9, 2012.
22. *A New Semiparametric Estimation Method for Accelerated Hazards Model, ICSA 2011 Applied Statistical Symposium*, New York City, June 25–29, 2011.

Contributed Talk

23. Association of ART with Cancer incidence from South Carolina, Fighting HIV with BigData Round Table, APHA annual Meeting San Diego, CA, Nov 10-14, 2018.
24. *A New Semiparametric Estimation Method for Accelerated Hazards Mixture Cure Model, ENAR 2013 Spring Meetings*, Orlando, Florida, Mar 10–13, 2013.
25. *A semiparametric accelerated failure time partial linear model and its application to breast cancer, ENAR 2012 Spring Meetings*, Washington D.C, Mar. 30–Apr. 4, 2012.
26. *Crossing Hazard Functions in Common Survival Models, Joint Statistical Meetings*, Miami, FL, Jul. 30–Aug 4, 2011.
27. *An Alternative Estimation Method for the Semiparametric Accelerated Failure Time Mixture Cure Model, ENAR 2011 Spring Meetings*, Miami, FL, Mar 20–23, 2011.
28. *Accelerated Hazards Mixture Cure Model, 37th Annual Meeting of the Statistical Society of Canada*, University of British Columbia, Vancouver, British Columbia, May 31–Jun 3, 2009.
29. *Accelerated Hazards Mixture Cure Model, ENAR 2009 Spring Meetings*, Grand Hyatt, San Antonio, Mar 15–18, 2009.
30. *Estimation Method of the Semiparametric Mixture Cure Gamma Frailty Model, Joint Statistical Meetings*, Denver, Colorado, Aug 3–7, 2008.
31. *Estimation Method of the Semiparametric Mixture Cure Gamma Frailty Model, 36th Annual Meeting of the Statistical Society of Canada*, University of Ottawa, Ontario, Jun 25–29, 2008.
32. *Identifiability of the Mixture Cure Frailty Model, 35th Annual Meeting of the Statistical Society of Canada*, Memorial University of Newfoundland, St. John's, Jun 10–13, 2007.
33. *A new estimation method for the semiparametric accelerated failure time mixture cure model, XXXIII International Biometric Conference*, Montreal, Qu´ebec, Jul 16–21, 2006.
34. *An alternative algorithm to the accelerated failure time frailty model, 33rd Annual Meeting of the Statistical Society of Canada*, University of Saskatchewan, Saskatoon, Jun 12–15, 2005.

Invited Seminar Presentations

35. School of Public Health, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, Hubei, China, June 2018.
36. Department of Statistics, East China Normal University, Shanghai, China, June 2018.
37. Department of Mathematics and Statistics, Jiangxi Normal University, June 2018.
38. School of Mathematics and Statistics, Zhejiang University of Finance and Economics, Hangzhou, China, June 2017.
39. Department of Statistics, East China Normal University, Shanghai, China, June 2017.
40. School of Statistics and Management, Shanghai University of Finance and Economics, Shanghai, June 2017.
41. Department of Mathematics and Statistics, Anhui University, Hefei, Anhui, China, June,2017.
42. School of Public Health, Anhui Medical University, Naning, Jiangshu, China, June 2017.
43. School of Public Health, Nanjing Medical University, Nanjing, Guangxi, China, June,2017.
44. School of Public Health, Guangxi Medical University, Naning, Guangxi, China, June,2017.
45. School of Public Health, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, Hubei, China, June 2017.
46. Department of Mathematics, University of Alabama, Alabama, Aug 2016.
47. Department of Statistics, East China Normal University, Shanghai, China, June 2016.
48. School of Statistics and Management, Shanghai University of Finance and Economics, Shanghai, June 2016.
49. School of Public Health, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, Hubei, China, June 2016.

50. School of Public Health, Tongji Medical College, Huazhong University of Science and Technology, Wuhan, Hubei, China, July 2015.
51. Department of Statistics, East China Normal University, Shanghai, China, July 2015.
52. School of Mathematics and Statistics, Zhejiang University of Finance and Economics, Hangzhou, China, July 2015.
53. School of Statistics and Management, Shanghai University of Finance and Economics, Shanghai, July 2015.
54. Department of Mathematics and Statistics, Queen's University, Canada, May 2014.
55. Department of Statistics, Zhejiang University, Hangzhou, China, March 2014.
56. School of Mathematics and Statistics, Zhejiang University of Finance and Economics, Hangzhou, China, March 2014.
57. School of Statistics and Management, Shanghai University of Finance and Economics, Shanghai, China, March 2014.
58. Department of Statistics, Fudan University, Shanghai, China, March 2014.
59. Department of Statistics, East China Normal University, Shanghai, China, March 2014.
60. Department of Statistics, East China Normal University, Shanghai, China, March 2014.
61. Department of Mathematics and Statistics, Georgia State University, March 2014.
62. Department of Epidemiology and Biostatistics, University of South Carolina, Oct 2013.
63. Department of Mathematics and Statistics, University of North Carolina, Charlotte, Oct,2012.
64. School of Mathematics and Statistics, Zhejiang University of Finance and Economics, Hangzhou, China, June 2012.
65. School of Statistics and Management, Shanghai University of Finance and Economics, Shanghai, China, June 2012.
66. Department of Statistics, Fudan University, Shanghai, China, June 2012.
67. Department of Statistics, East China Normal University, Shanghai, China, June 2012.
68. Department of Statistics, University of South Carolina, Feb 2011.
69. Department of Epidemiology and Biostatistics, University of South Carolina, Nov 10,2010.
70. Department of Mathematics, University of South Carolina, Sep 2010.
71. Department of Mathematics and Statistics, University of Saskatchewan, Jan 2009.
72. Department of Statistics, University of South Carolina, Oct 2008.
73. Department of Community Health and Epidemiology, Queen's University, Ontario, May,2008.
74. Department of Epidemiology and Biostatistics, University of South Carolina, Feb 2008.

Workshop

75. Biostatistical Institute Courses: Introduction to R, Andrew Lawson & Jiajia Zhang, University of South Carolina, Columbia, SC, May 13, 2008.