

## Honglang Wang

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CONTACT INFORMATION	LD 270B, 402 N.Blackford St., Department of Mathematical Sciences Indianapolis, IN, 46202	Phone: (317) 274-7858 E-mail: <a href="mailto:hlwang@iupui.edu">hlwang@iupui.edu</a> Homepage: <a href="http://www.math.iupui.edu/~hlwang">http://www.math.iupui.edu/~hlwang</a>
RESEARCH INTERESTS	Empirical likelihood method and its applications, statistical analysis for functional and longitudinal data, high dimensional statistical inference and its applications, nonparametric smoothing methods, missing data analysis, statistical genetics/genomics, causal inference and machine learning	
EDUCATION	<b>Michigan State University</b> , East Lansing, MI  Ph.D., Statistics, August 2015 <ul style="list-style-type: none"><li>• Thesis Topic: <i>Empirical Likelihood Based Functional Data Analysis and High Dimensional Inference with Applications to Biology</i></li><li>• Advisors: Ping-Shou Zhong, Ph.D and Yuehua Cui, Ph.D</li></ul> Ph.D., Quantitative Biology, August 2015 <ul style="list-style-type: none"><li>• Advisors: C. Robin Buell, Ph.D and Yuehua Cui, Ph.D</li></ul> <b>Zhejiang University</b> , Hangzhou, China  M.S., Mathematics, Jul. 2010 <ul style="list-style-type: none"><li>• Topic: <i>Information Geometry and its Applications</i></li><li>• Advisor: Kefeng Liu, Ph.D</li></ul> <b>Tianjin University</b> , Tianjin, China  B.S., Mathematics and Applied Mathematics, Jul. 2007 <ul style="list-style-type: none"><li>• Topic: <i>On Characterization of The Compactness of Composition Operator in Some Spaces</i></li><li>• Advisor: Zehua Zhou, Ph.D</li></ul>	
ACADEMIC POSITIONS	<b>Associate Professor</b> , Department of Mathematics, IUPUI    August 2022 to present <b>Assistant Professor</b> , Department of Mathematics, IUPUI    August 2015 to July 2022	
RESEARCH EXPERIENCE	<b>Research Assistant</b> Sep. 2014 to May. 2015 Research supported in part by NSF awards DMS-1209112 and IOS-1237969, Supervisors: Yuehua Cui, Ph.D, Ping-Shou Zhong, Ph.D, and C. Robin Buell, Ph.D. <b>Research Assistant</b> May 2014 to August 2014 Research Supported by Dissertation Continuation Fellowships from the College of Natural Science, Supervisors: Yuehua Cui, Ph.D and Ping-Shou Zhong, Ph.D. <b>Research Assistant</b> Sep. 2013 to May 2014 Research supported in part by NSF awards DMS-1209112 and IOS-1237969, Supervisors: Yuehua Cui, Ph.D, Ping-Shou Zhong, Ph.D, and C. Robin Buell, Ph.D. <b>Research Assistant</b> Jan. 2013 to May 2013 Research supported by NSF awards DMS-1209112, Supervisors: Yuehua Cui, Ph.D and Ping-Shou Zhong, Ph.D.	

## PUBLICATIONS

1. Na Qiao, **Honglang Wang**, Yue Li, and Lixin Wang. “Comparative impact of fog and rainfall on vegetation in a foggy desert.” *Geophysical Research Letters*, 2024
2. Jingyi Zhang, **Honglang Wang**, Yuehua Cui. “Generalized functional varying index coefficient model for synergistic dynamic gene-environment interactions.” *submitted to Biometrical Journal*, 2023
3. Jingyi Zhang, Xu Liu, **Honglang Wang**, Yuehua Cui. “Functional varying-index coefficients model for dynamic synergistic gene-environment interactions.” *submitted to Biometrics*, 2023
4. Yusen Yuana, Lixin Wang, Zhongwang Wei, Hoori Ajami, **Honglang Wang**, Taisheng Du. “Using Median Point in Keeling Plot to Reduce the Uncertainty of the Isotopic Composition of Evapotranspiration.” *submitted to the Journal of Hydrometeorology*, 2023
5. Sayli Pokal, Yawen Guan, **Honglang Wang**, Yuzhen Zhou. “An Improved Doubly Robust Estimator Using Partially Recovered Unmeasured Spatial Confounder.” *submitted*, 2022
6. **Honglang Wang**, Jingyi Zhang, Kelly L. Klump, S. Alexandra Burt, Yuehua Cui. “Multivariate partial linear varying coefficients model for gene-environment interactions with multiple longitudinal traits.” *Statistics in Medicine*, *accepted*, 2022
7. Wenzhe Jiao, Lixin Wang, **Honglang Wang**, Matthew Lanning, Qing Chang, Kimberly A Novick. “Comprehensive quantification of the responses of ecosystem production and respiration to drought time scale, intensity and timing in humid environments: A FLUXNET synthesis.” *Journal of Geophysical Research - Biogeosciences*, *accepted*, 2022
8. Shuoyang Wang, **Honglang Wang**, Yichuan Zhao, Guanqun Cao, Yingru Li. “Empirical Likelihood Ratio Tests for Varying Coefficient Geo Models.” *Statistica Sinica*, 33(4), 2021.
9. Yusen Yuan, Lixin Wang, **Honglang Wang**, Wenqing Lin, Wenzhe Jiao, Taisheng Du. “A Modified Isotope-based Method for Potential High-Frequency Evapotranspiration Partitioning.” *Advances in Water Resources*, *accepted*, 2021
10. Ruohong Li, **Honglang Wang**, Yi Zhao, Jin Su, Wanzhu Tu. “Robust estimation of heterogeneous treatment effects: an algorithm-based approach.” *Communications in Statistics - Simulation and Computation*, *in press*, 2021
11. Wenzhe Jiao, Lixin Wang, William K. Smith, Qing Chang, **Honglang Wang**. “Increasing water constraint on vegetation productivity over the last three decades.” *Nature Communications*, 12, 3777, 2021
12. Ruohong Li, **Honglang Wang**, Wanzhu Tu. “Robust Estimation of Heterogeneous Treatment Effect using Electronic Health Record Data.” *Statistics in Medicine*, 40 (11), 2713-2752, 2021
13. Yusen Yuan, Taisheng Fu, **Honglang Wang**, Lixin Wang. “Novel Keeling plot based methods to estimate the isotopic composition of ambient water vapor.” *Hydrology and Earth System Sciences*, 24, 4491-4501, 2020
14. Ruohong Li, **Honglang Wang**, Wanzhu Tu. “Gaussian Quadrature.” *Wiley StatsRef-Statistics Reference Online*, 2020

15. **Honglang Wang**, Ping-Shou Zhong, Yuehua Cui, Yehua Li. “Unified empirical likelihood ratio tests for functional concurrent linear models and the phase transition from sparse to dense functional data.” *Journal of the Royal Statistical Society: Series B (Statistical Methodology)*, 80(2):343-364, 2018.
16. **Honglang Wang**, Ping-Shou Zhong, Yuehua Cui. “Empirical Likelihood Ratio Tests for Coefficients in High Dimensional Heteroscedastic Linear Models.” *Statistica Sinica* 28 (2018), 2409-2433
17. **Honglang Wang**, Wanzhu Tu. “Bootstrap Methods: The Classical Theory and Recent Development.” *Wiley StatsRef-Statistics Reference Online*, 2018
18. Samuel Wong, **Honglang Wang**, Robert Tepper, Gregory M Sokol, Rebecca Rose. “Expired Tidal Volume Variation in Extremely Low Birth Weight and Very Low Birth Weight Infants on Volume-Targeted Ventilation.” *The Journal of pediatrics*, 207, 248-251, 2019
19. Fang Han, Hongkai Ji, Zhicheng Ji, **Honglang Wang**. “A Provable Smoothing Approach for High Dimensional Generalized Regression with an Application in Genomics.” *Electronic Journal of Statistics* 2017, Vol. 11, No. 2, 4347-4403.
20. Fang Han, Xi Chen, **Honglang Wang**, Lexin Li, Brain S. Caffo. “Robust Graph Change-point Detection with Application to Brain Evolvment Study.” *Submitted*.
21. Pratik Nalawade, Kate Ansah-Koi, Khairi Reda, Fang Li, **Honglang Wang**, Wei Zheng. “The Effects of Spatial Frequency and Colormap Characteristics on the Perception of 2D Pseudocolor Scalar Fields.” *Submitted*
22. Xu Liu, **Honglang Wang**, Yuehua Cui. “Statistical identification of gene-gene interactions triggered by nonlinear environmental modulation.” *Current Genomics*, 2016, 17(5): 388-395.
23. **Honglang Wang**, Tao He, Cen Wu, Ping-Shou Zhong, Yuehua Cui. “A powerful statistical method identifies novel loci associated with diastolic blood pressure triggered by nonlinear gene-environment interaction.” *BMC Proceedings* 2014, 8(Suppl 1):S61 (17 June 2014)

Note: underlined authors are the PhD students under supervision.

#### PAPERS IN PREPARATION

1. Yishan Cui, **Honglang Wang**. ”Efficient Semiparametric inference for Longitudinal Data with Application to GAW 18 Data.” (Sep. 2021-present)
2. Xiang Wang, **Honglang Wang**. ”Empirical Likelihood Inference for Functional Mean Models Accounting for Within-Subject Correlation.” (Aug. 2021-present)
3. Ruohong Li, **Honglang Wang**, Yi Zhao, Wanzhu Tu. “A Reinforcement Learning Algorithm for Antihypertensive Treatment Recommendation.” (April. 2020-present)
4. **Honglang Wang**, Ping-Shou Zhong, Yuehua Cui. “Empirical Likelihood in Testing with Longitudinal Data.”
5. **Honglang Wang**, Ping-Shou Zhong, Yuehua Cui. “Integrative Data Analysis under Selective Genotyping.”
6. Abolfazl Safikhani, **Honglang Wang**, Yimin Xiao, Yuzhen Zhou. “The behavior of prediction error for a class of separable space-time model indexed on circle.”

AWARDS	<ul style="list-style-type: none"> <li>• Purdue Research Foundation Summer Faculty Grant, Purdue University 2019</li> <li>• Purdue Research Foundation International Travel Grant, Purdue University 2018</li> <li>• Travel Award for the “20th Meeting of New Researchers in Statistics and Probability”, Institute of Mathematical Statistics (IMS), 2018</li> <li>• NSF Travel Award for The Nonparametric Statistics Workshop entitled “Integration of Theory, Methods and Applications”, University of Michigan, Ann Arbor 2016</li> <li>• College of Natural Science US15 Dissertation Completion Fellowship, Michigan State University 2015</li> <li>• College of Natural Science US14 Dissertation Continuation Fellowship, Michigan State University 2014</li> <li>• <a href="#">William L Harkness Teaching Award</a>, Michigan State University 2014</li> <li>• Travel Award of GAW18 2012</li> <li>• Second-class Award of Honor for Graduate, Zhejiang University 2008</li> <li>• First Prize in the 13th National Graduate Summer School in Mathematics 2008</li> <li>• Scholarship for Academic Excellence, Tianjin University 2005–2006</li> <li>• 6th Outstanding Student of Science and Technology in Tianjin University 2005</li> <li>• Tianjin University—Yuandong Chunguang Scholarship 2005</li> <li>• Scholarship for Academic Excellence, Tianjin University 2004</li> </ul>
RESEARCH GRANTS	<ul style="list-style-type: none"> <li>• Sole PI: LEAPS-MPS: Advancement of Functional Data Inference with Applications to Neuroimaging, NSF, DMS-2212928, \$243,215.00 July 2022-June 2024</li> <li>• (Subrecipient PI with PTE PI: Dr. C. Robin Buell) Unraveling the Heterozygosity, Allelic Composition, and Copy Number Variation of Potato, \$14,812 2016-2017</li> </ul>
PRESENTATIONS	<ul style="list-style-type: none"> <li>• “Empirical Likelihood Based Efficient Inference for Sparse Functional Data Accounting for Within-Subject Correlation”, Statistics Seminar, Department of Mathematics, Texas State University, Zoom April, 2024</li> <li>• “Empirical Likelihood Based Efficient Inference for Sparse Functional Data Accounting for Within-Subject Correlation”, Statistics Colloquium, Department of Mathematics and Statistics, University of Maryland Baltimore County (UMBC), Zoom April, 2024</li> <li>• “Robust Estimation of Heterogeneous Treatment Effects”, <a href="#">64th ISI World Statistics Congress</a>, Ottawa, Canada July, 2023</li> <li>• “Empirical Likelihood Inference for Functional Mean Models with Application to Human Cognitive Impairment”, <a href="#">The 2023 ICSA Applied Statistics Symposium</a>, Ann Arbor, Michigan June, 2023</li> <li>• “Robust Estimation of Heterogeneous Treatment Effect using Electronic Health Record Data”, Department of Epidemiology &amp; Biostatistics Seminar, University of Arizona, Zoom November, 2022</li> <li>• “Multivariate partial linear varying coefficients model for GxE studies with multiple longitudinal traits”, <a href="#">The Department of Bioinformatics and Biostatistics Seminars</a>, Zoom April 2022</li> <li>• “Robust Estimation of Heterogeneous Treatment Effect using Electronic Health Record Data”, The 7th National Junior Statisticians’ Workshop, Shanghai University of Finance and Economics or Virtual November, 2021</li> <li>• “Robust Estimation of Heterogeneous Treatment Effect using Electronic Health Record Data”, <a href="#">The ICSA 2021 Applied Statistics Symposium</a>, Virtual September, 2021</li> <li>• “Multivariate partial linear varying coefficients model for GxE studies with multiple longitudinal traits”, <a href="#">The ISI World Statistics Congress</a>, Virtual July 2021</li> <li>• “Robust Estimation of Heterogeneous Treatment Effect using Electronic Health Record Data”, <a href="#">SFASA Seminar</a>, San Francisco Bay Area February, 2021</li> <li>• “Robust Graph Change-point Detection for Brain Evolvment Study”, AADS AI/ML</li> </ul>

- & Natural Language Processing Community of Practice, Eli Lilly and Company, Indiana February, 2021
- “Multivariate partial linear varying coefficients model for GxE studies with multiple longitudinal traits”, [The ICSA 2020 Applied Statistics Symposium](#), Virtual December 2020
  - “Robust Estimation of Heterogeneous Treatment Effect using Electronic Health Record Data”, [The October Math Day Symposium](#), University of North Carolina Charlotte October, 2020
  - “Robust Estimation of Heterogeneous Treatment Effect using Electronic Health Record Data”, [Department of Statistics Seminar](#), University of Nebraska-Lincoln September, 2020
  - “Robust Estimation of Heterogeneous Treatment Effect using Electronic Health Record Data”, [Department of Bioinformatics and Biostatistics Seminar](#), University of Louisville April, 2020
  - “Robust Graph Change-point Detection for Brain Evolvment Study”, [ICSA Applied Statistics Symposium](#), Raleigh, North Carolina June, 2019
  - “Robust Graph Change-point Detection for Brain Evolvment Study”, [Symposium on Data Science and Statistics](#), Bellevue, Washington May, 2019
  - “Robust Graph Change-point Detection for Brain Evolvment Study”, [AMS Sectional Meeting-Special Session on Big Data and Statistical Analytics](#), San Francisco State University, San Francisco October, 2018
  - “Robust Graph Change-point Detection for Brain Evolvment Study”, [2018 ICSA China Conference with the Focus on Data Science](#), Qingdao July, 2018
  - “Empirical Likelihood Ratio Tests for Coefficients in High Dimensional Heteroscedastic Linear Models”, [The 8th International Forum on Statistics](#), Renmin University of China, Beijing July, 2018
  - “Robust Graph Change-point Detection for Brain Evolvment Study”, [College of Mathematics and Statistics](#), Hunan Normal University, Changsha June, 2018
  - “Robust Graph Change-point Detection for Brain Evolvment Study”, [School of Statistics and Management](#), Shanghai University of Finance and Economics, Shanghai June, 2018
  - “Unified empirical likelihood ratio tests for functional linear models and the phase transition from sparse to dense functional data”, [DMS Colloquium](#), Auburn University, Auburn, Alabama April, 2018
  - “Empirical Likelihood Ratio Tests for Coefficients in High Dimensional Heteroscedastic Linear Models”, [Second Workshop on Higher-Order Asymptotics and Post-Selection Inference](#), Washington University in St. Louis August, 2017
  - “Empirical Likelihood Ratio Tests for Coefficients in High Dimensional Heteroscedastic Linear Models”, [2017 ICSA Applied Statistics Symposium](#), Chicago June, 2017
  - “Unified empirical likelihood ratio tests for functional linear models and the phase transition from sparse to dense functional data”, [Nonparametric Statistics Workshop](#), University of Michigan, Ann Arbor October, 2016
  - “Testing Low-dimensional Coefficients in High Dimensional Heteroscedastic Linear Models”, [Joint Statistical Meetings](#), Chicago August, 2016
  - “Testing Low-dimensional Coefficients in High Dimensional Heteroscedastic Linear Models”, [China Statistics Conference](#), Qingdao, China June, 2016
  - “Testing Low-dimensional Coefficients in High Dimensional Heteroscedastic Linear Models”, [School of Public Health](#), Shangxi Medical University, Taiyuan, China June, 2016
  - “Unified empirical likelihood ratio tests for functional linear models and the phase transition from sparse to dense functional data”, [Institute of Statistics](#), Zhejiang University, Hangzhou, China June, 2016
  - “Unified empirical likelihood ratio tests for functional linear models and the phase transition from sparse to dense functional data”, [Institute of Statistics](#), Nankai

- University, Tianjin, China June, 2016
- “Unified empirical likelihood ratio tests for functional linear models and the phase transition from sparse to dense functional data”, [Big Statistics & Data Science Joint Conference](#), Renmin University of China, Beijing, China , May, 2016
- “Unified empirical likelihood ratio tests for functional linear models and the phase transition from sparse to dense functional data”, [School of Mathematical Sciences](#), Shanghai Jiaotong University, Shanghai, China, May, 2016
- “Provable Smoothing Approach in High Dimensional Generalized Regression Models”, ENAR, Austin, Texas March, 2016
- “Provable Smoothing Approach in High Dimensional Generalized Regression Models”, Statistics Seminar, Department of Mathematical Sciences, IUPUI, February, 2016
- “Unified empirical likelihood ratio tests for functional linear models and the phase transition from sparse to dense functional data”, Joint Biostatistics Seminar, Department of Biostatistics, IUPUI, September, 2015
- “Testing Low-dimensional Coefficients in High Dimensional Heteroscedastic Linear Models”, Statistics Seminar, Department of Mathematical Sciences, IUPUI, September, 2015
- “Unified empirical likelihood ratio tests for low dimensional inference in high dimensional linear models”, ENAR, Miami, Florida March, 2015
- “Empirical Likelihood Meets Functional Data”, Statistics Student Seminar, Michigan State University, October, 2014
- Statistics in Applications Forum (Poster), East Lansing, MI October 2013
- Quantitative Biology Graduate Program (Poster), East Lansing, MI August 2013
- “Empirical Likelihood for Testing Functions Constraint with Functional Data”, Joint Statistical Meetings, Montreal, QC, Canada August, 2013
- “A powerful statistical method identifies novel loci associated with diastolic blood pressure triggered by nonlinear gene-environment interaction”, Genetic Analysis Workshop (GAW18), Stevenson, WA October, 2012

TEACHING  
EXPERIENCE

Instructor at IUPUI

Introduction to Statistics (STAT35000-17129)	Spring 2024
Advanced Statistical Learning (STAT59800-21650)	Spring 2024
Statistical Computing (STAT52100-23707)	Fall 2023
Statistical Modelling Using R and SAS (STAT42100-25647)	Fall 2023
Applied Regression Analysis (STAT51200-22876)	Fall 2023
Introduction to Statistics (STAT35000-23128)	Spring 2023
Introduction to Statistics (STAT35000-23879)	Spring 2023
Introduction to Statistics (STAT35000-10577)	Summer 2022
Statistical Inference (STAT51700-19440)	Spring 2022
Introduction to Statistics (STAT35000-20482)	Spring 2022
Statistical Computing (STAT52100-34676)	Fall 2021
Statistical Modelling Using R and SAS (STAT42100-37059)	Fall 2021
Introduction to Statistics (STAT35000-38466)	Fall 2021
Introduction to Statistics (STAT35000-11056)	Summer 2021
Statistical Inference (STAT51700-21962)	Spring 2021
Introduction to Statistics (STAT35000-22554)	Spring 2021
Statistical Computing (STAT52100-24694)	Fall 2020
Statistical Modelling Using R and SAS (STAT42100-27317)	Fall 2020
Introduction to Statistics (STAT35000-28998)	Fall 2020
Introduction to Statistics (STAT35000-11121)	Summer 2020
Statistical Inference (STAT51700-20616)	Spring 2020
Statistical Theory (STAT41700-20611)	Spring 2020
Introduction to Statistics (STAT35000-21296)	Spring 2020
Statistical Computing (STAT52100-24302)	Fall 2019

	Statistical Modelling Using R and SAS (STAT42100-27207)	Fall 2019
	Introduction to Statistics (STAT35000-30888)	Fall 2019
	Statistical Inference (STAT51700-21724)	Spring 2019
	Introduction to Statistics (STAT35000-22480)	Spring 2019
	Statistical Computing (STAT52100-22838)	Fall 2018
	Statistical Modelling Using R and SAS (STAT42100-26037)	Fall 2018
	Introduction to Statistics (STAT35000-25873)	Fall 2018
	Statistical Inference (STAT51700-22537)	Spring 2018
	Introduction to Statistics (STAT35000-23995)	Spring 2018
	Statistical Computing (STAT52100-22940)	Fall 2017
	Statistical Modelling Using R and SAS (STAT42100-26466)	Fall 2017
	Introduction to Statistics (STAT35000-26266)	Fall 2017
	Advanced Statistical Inference—Nonparametric Regression (STAT62800-31654)	Spring 2017
	Applied Regression Analysis (STAT51200-21329)	Fall 2016
	Introduction to Statistics (STAT35000-22433)	Fall 2016
	Introduction to Statistics (STAT35000-24592)	Spring 2016
	Introduction to Statistics (STAT35000-23646 and STAT35000-24842)	Fall 2015
	Instructor at MSU	
	Intro-Stats (STT200)	Summer 2012
	Intro Prob & Stat for Business (STT315)	Summer 2013
	Teaching Assistant at MSU	
	Intro-Stats (STT200)	Fall 2012
	Intro Prob & Stat for Business (STT315)	Fall 2013
SERVICE	Department Awards Committee at IUPUI	Fall 2022 – present
	Conference Session Organization and Chairing	
	<ul style="list-style-type: none"> <li>• “Functional and High-dimensional Data Analysis: New Directions and Innovations”, 64th ISI World Statistics Congress (2023), Ottawa, Canada</li> <li>• “High Dimensional Statistical Modelling of Genetics/Genomics”, ICSA 2019 Applied Statistics Symposium at Raleigh in NC</li> <li>• “Recent Advances in Functional Data Analysis”, ICSA 2019 Applied Statistics Symposium at Raleigh in NC</li> <li>• “Statistical Learning Advancement for Inference in Big Data Age”, ICSA 2019 Applied Statistics Symposium at Raleigh in NC</li> <li>• “Methodological Advancement in High Dimensional Data Analysis”, ICSA 2019 International Conference at Hangzhou in China</li> <li>• “Methodological Advances and Applications of Nonparametric Data Analysis”, 2018 ICSA China Conference at Qingdao in China.</li> </ul>	
	Committee member of Data Science Master Program at IUPUI	Fall 2019 – present
	Exam committee member for the Applied Statistics Master comprehensive exam and Biostatistics PhD qualify exam at IUPUI	Fall 2015 – present
	<ul style="list-style-type: none"> <li>• Contribute exam problems in probability, mathematical statistics and regression</li> <li>• Grade theory exam</li> <li>• Evaluate oral presentation</li> </ul>	
	Organizer of <a href="#">Statistics Seminar</a> at IUPUI	Spring 2018 – present
	<ul style="list-style-type: none"> <li>• Invite speakers from statistics related departments on campus or nearby universities, industries and governments</li> <li>• Make schedule for the seminars</li> <li>• Chair seminars</li> </ul>	
	Faculty advisor of IUPUI ASA Student Chapter	Fall 2018 – present
	<ul style="list-style-type: none"> <li>• Advise and help organize all events for the chapter such as networking event and Lilly submit</li> </ul>	



Chairman of Statistics Student Seminar, Department of Statistics and Probability,  
Michigan State University

Sep. 2011 – Dec. 2013

- Design the website and maintained it
- Propose seminar topics, such as Graphical Models
- Invite speakers including professors and graduate students from various departments on campus and nearby universities

Reviewer for the following journals

- Atmosphere
- Bioinformatics
- Bioinformatics Advances
- Biostatistics & Epidemiology
- BMC Genomics
- BMC Medical Research Methodology
- BMC Genomic Data
- Brain and Behavior
- Brazilian Journal of Probability and Statistics
- Communication in Statistics-Simulation and Computation
- Computational Statistics and Data Analysis
- Econometrics and Statistics
- Electronic Journal of Statistics
- Evolving Systems
- Frontiers in Genetics
- Frontiers in Systems Biology
- Heliyon
- IEEE Transactions on Cybernetics
- Journal of the American Statistical Association
- Journal of Applied Statistics
- Journal of Computational and Applied Mathematics
- Journal of Computational and Graphical Statistics
- Journal of Korean Statistical Society
- Journal of Multivariate Analysis
- Journal of Nonparametric Statistics
- Journal of Probability and Statistics
- Journal of Statistical Computation and Simulation
- Journal of Statistical Planning and Inference
- PLOS ONE
- Sankhya A
- Science Asia
- Stat
- Statistica Sinica
- Statistics and Probability Letters
- Statistical Analysis and Data Mining
- The Canadian Journal of Statistics

#### WORKSHOPS

- “2021 NISS Writing Workshop for Junior Researchers”, Aug. 6, 13, 2021, Virtual via Zoom.
- “Opening Workshop on Deep Learning”, Aug. 12-16, 2019, SAMSI.
- “Applied Bioinformatics Workshop Intermediate”, Jul.-Aug., 2013, Michigan State University.
- “Doing Bayesian Data Analysis Workshop”, Sep. 14, 15, 2012, Michigan State University.
- “The 1000 Genomes Project Community Meeting”, Jul. 12-13, 2012, University of Michigan.
- Bioinformatics Workshop for MSU Plant Breeding, Genetics, & Biotechnology Program,



May 24-31, 2012, Michigan State University.

- “Introduction to the HPCC” and “Making Your Research Go Faster: Advanced HPCC”, May 8-9, 2012, Michigan State University.

COMPUTER SKILLS

- Statistical Software: R, Matlab, SAS, and Minitab
- Data and processing: Excel, Python and Latex
- Language: C, C++
- Operating system: Linux and Windows

MEMBERSHIP

- American Statistical Association
- Institute of Mathematical Statistics
- International Chinese Statistical Association
- International Biometric Society