# XIAOJING WANG, Ph.D.

Contact Information	Department of Statistics University of Connecticut 334 AUST Building 215 Glenbrook Rd, U-4120 Storrs, Connecticut 06269-4120 USA	Voice: (860) 486-3415 Fax: (860) 486-4113 E-mail: xiaojing.wang Website: www.xiaojin	g@uconn.edu ag-wang.uconn.edu
Education	<ul> <li>Duke University, Durham, NC, USA Ph.D., Statistics (September, 2012) M.A., Economics (September, 2012)</li> <li>Dissertation: "Bayesian Modeling Using Latent Structures".</li> <li>Advisor: Professor James O. Berger</li> </ul>		tures".
	<ul> <li>Chinese Academy of Sciences, Beijing, P.R. China M.S., Probability and Mathematical Statistics (July, 2008)</li> <li>Thesis: "Statistical Analysis For Semiparametric Varying-coeffcient Partially Linear Models With Incomplete Data".</li> <li>Advisor: Professor Yong Zhou</li> </ul>		
	Hunan University, Changsha, P.R.China B.S., Information and Computational Science (June, 2005)		
Professional Experience	<ul> <li>The University of Connecticut, Storrs</li> <li>Associate Professor, Department of Assistant Professor, Department of Affiliate Member of Center for Er and Engineering</li> <li>Affiliate Member of Institute for O on Health, Intervention, and Polio</li> <li>Affiliate Member of The Connecti the Brain and Cognitive Sciences</li> </ul>	s, CT, USA of Statistics of Statistics nvironmental Sciences Collaboration cy cut Institute for (IBACS)	08/2019 – present 08/2012– 08/2019 05/2019 – present 08/2015 – present 08/2015 – present
	<ul> <li>Duke University, Durham, NC, USA</li> <li>Research Assistant, Department of</li> <li>Instructor, Department of Statistic</li> </ul>	f Statistical Science cal Science	08/2008-08/2012 05/2011-07/2011
	Statistical and Applied Mathematical Sciences Institute, Durham, NC, USA • Research Assistant 09/2010-05/2011		
	MetaMetrics Inc., Durham, NC, USA • Research Associate		06/2009-08/2009
	City University of Hong Kong, Kowle • Research Associate, Department of • Research Associate, Department of	oon, Hong Kong SAR of Management Science of Management Science	06/2008-07/2008 01/2007-03/2007

The University of Hong Kong, Pokfulam, Hong Kong SAR

• Research Associate, Department of Statistics & Actuarial Science 06/2007

Research Interests	Latent Variable Modeling and Mixture Models; Gaussian Processes and Com- puter Models; Subgroup Analysis and Variable Selection; State Space Models and Time Series Data Analysis; Nonparametric and Semiparametric Methods; Missing Data and Measurement Error Models; Shape Constrained Estimation; Objective Bayes	
Awards and Honors	National Science Foundation CAREER Award	09/2019
HONORS	Elected Member of International Statistical Institute (ISI)	Since 03/2017
	<ul> <li>University of Connecticut</li> <li>Excellence in Teaching Recognition By Provost Office</li> <li>Excellence in Teaching Recognition By Provost Office</li> <li>Excellence in Teaching Recognition By Provost Office</li> </ul>	07/2019 01/2017 01/2015
	<ul><li>International Society of Bayesian Analysis (ISBA)</li><li>Google Travel Award</li><li>Travel Award</li></ul>	06/2016 12/2013, 06/2011
	<ul><li>Joint Statistical Meetings</li><li>NISS/ASA/IMS Travel Award</li><li>IMS New Researcher Travel Award</li></ul>	$\begin{array}{c} 08/2015, 08/2014\\ 08/2013 \end{array}$
	Jeffrey's Excellence Prize for Best Methodological Poster at 2013 Objective Bayes Conference	12/2013
	<ul><li>Duke University</li><li>Graduate Fellowship</li><li>PhD Candidate Conference Travel Award</li></ul>	2008-2012 2010-2012
	Statistical and Applied Mathematical Sciences Institute • Graduate Fellowship	2010-2011
	<ul><li>Chinese Academy of Sciences</li><li>Outstanding Master's Thesis Award</li><li>Excellent Student</li></ul>	2008 2007
	<ul><li>Hunan University</li><li>Outstanding University Student in Hunan Province (1 or</li><li>Hushu Hua Specialized Fellowship</li></ul>	ut of 2000) 2004 2003
Grants	NSF CAREER Award, PI, "CAREER: Advancing Latent	Variable Statistical

vard, Advancing ⊥, Modeling for the Analysis of Big and Complex Longitudinal Data to Promote *Personalized Learning*", Division of Social and Economic Sciences, National Science Foundation, 09/01/2019-08/31/2024, <u>Active</u>.

Seed Grants to Development Interdisciplinary Research Teams, **PI**, "The Development of Interdisciplinary Team on the Analysis of Gamified Assessments", InCHIP, \$5,000, 09/01/2019-08/31/2020, Active.

Collaborative Research Grant, Collaborator, "Computational Science for Improving Assessment of Executive Function in Children", Division of Information and Intelligent Systems, National Science Foundation, \$1,291,495.00, 10/01/2016-09/30/2020, Active.

NSF-AWM Travel Grant, **PI**, Division of Mathematical Sciences, National Science Foundation, \$3,500, 06/2018, Completed.

Research Grant, **PI**, "Development of Statistical Methodology for Identifying Respondent Subgroups Using Biomarker Signature", Sanofi-Aventis, U.S., \$64,683, 05/23/2016-08/31/2018, Completed.

Research Training Grant, **Co-PI**, "Modeling and Analysis of Large Insurance Claim and Occurrence Data: a Partnership Between UConn & Travelers", Travelers Insurance, U.S., \$170,592, 08/01/2017-07/31/2018, Completed.

Research Training Grant, **Co-PI**, "Modeling and Analysis of Large Insurance Claim and Occurrence Data: a Partnership Between UConn & Travelers", Travelers Insurance, U.S., \$159,459, 08/01/2016-07/31/2017, Completed.

NSF-AWM Travel Grant, **PI**, Division of Mathematical Sciences, National Science Foundation, \$2,500, 07/2015, Completed.

Collaborative Research Grant, Collaborator, "Spatiotemporal Models of Phenology: Integrating the Effects of Climate Change on Plants and Animals", Division of Environmental Biology, National Science Foundation, \$187,575, 05/01/2009-05/31/2014, Completed.

Faculty Large Grants Award, **PI**, "A Bayesian Analysis of Dynamic Item Response Models with Application to Adaptive Measurement Testing", Office for the Vice President for Research, University of Connecticut, \$14,000, 01/01/2013-12/31/2013, Completed.

REFEREEDYang Liu<sup>1</sup> and Xiaojing Wang (2019), "Bayesian Monotonic NonparametricJOURNALRegression for Dynamic Item Response Models", Journal of Educational andARTICLESBehavioral Statistics, accepted.

Yang Liu<sup>1</sup>, Guanyu Hu, Lei Cao, **Xiaojing Wang**, and Ming-Hui Chen (2019), "Rejoinder: A Comparison of Monte Carlo Methods for Computing Marginal

<sup>&</sup>lt;sup>1</sup>Ph.D. supervised by Xiaojing Wang

Likelihoods of Item Response Theory Models", Journal of Korean Statistical Society, https://doi.org/10.1016/j.jkss.2019.07.001.

Yang Liu<sup>1</sup>, Guanyu Hu, Lei Cao, **Xiaojing Wang**, and Ming-Hui Chen (2019), "Monte Carlo Methods for Computing Marginal Likelihoods under IRT models" (with discussions), *Journal of Korean Statistical Society*, https://doi.org/10.1016 /j.jkss.2019.04.001.

Abhishek Bishoyi<sup>1</sup>, **Xiaojing Wang** and Dipak K. Dey (2019), "Learning Semiparametric Regression with Missing Covariates Using Gaussian Processes Models", *Bayesian Analysis*, DOI: 10.1214/18-BA1136.

Yang Liu<sup>1</sup>, Xiwen Ma, Donghui Zhang, Lijiang Geng<sup>1</sup>, **Xiaojing Wang**, Wei Zheng and Ming-Hui Chen (2019), "Look Before You Leap: Systematic Evaluation of Tree-based Statistical Methods in Subgroup Identification", *Journal of Biopharmaceutical Statistics*, DOI: 10.1080/10543406.2019.1584204.

Wenling Song, Yanhui Zhao, Shujing Shi, Xianying Liu, Guiying Zheng, Christopher Morosky, Yang Jiao, **Xiaojing Wang** (2019), "First Trimester Doppler Velocimetry of the Uterine Artery Ipsilateral to the Placenta Improves the Ability to Predict Early Onset Preeclampsia", *Medicine*, 98:16(e15193).

Xiaojing Wang, Yong Zhou, Yang Liu<sup>1</sup>(2018), "Semiparametric Varying-Coefficient Partially Linear Model with Auxiliary Covariates", *Statistics and Its Interface*, 11 (4): 587-602.

Mengyang Gu, **Xiaojing Wang** and James O. Berger (2018), "Robust Gaussian Stochastic Process Emulation", *Annals of Statistics*, 46 (6A): 3038-3066.

Wenqing Li, Ming-Hui Chen, **Xiaojing Wang**, Dipak K. Dey (2018), "Bayesian Design of Non-Inferiority Clinical Trials via the Bayes Factor", *Statistics in Bioscience*, 10: 439-459.

Yingying Xie<sup>1</sup>, **Xiaojing Wang**, Adam M. Wilson, and John A. Silander Jr. (2018), "Predicting Autumn Phenology: How Deciduous Tree Species Respond to Weather Stressors", *Agricultural and Forest Meteorology*, 250-251: 127-137.

Zheng Wei, **Xiaojing Wang**, Erin M. Conlon (2017), "Parallel Computing Methods for Bayesian Dynamic Item Response Models in Educational Testing", *Stat*, 6 (1): 420-433.

**Xiaojing Wang** and James O. Berger (2016), "Estimating Shape Constrained Functions Using Gaussian Processes", *Journal on Uncertainty Quantification*, 4(1): 1-25.

<sup>&</sup>lt;sup>1</sup>Ph.D. supervised by Xiaojing Wang

Yingying Xie<sup>1</sup>, Xiaojing Wang and John A. Silander (2015), "Deciduous Forest Responses to Temperature, Precipitation, and Drought Imply Complex Climate Change Impacts", Proceedings of the National Academy of Sciences of the United States of America, 112 (44): 13585-13590.

Wuqing Wu and Xiaojing Wang<sup>2</sup> (2015), "A Novel Approach to Construct a Composite Indicator by Maximizing Its Sum of Squared Correlations with Sub-Indicators", Journal of Systems Science and Complexity, 28 (4): 925-937.

Carlos A. Abanto-Valle, Caifeng Wang, Xiao jing Wang<sup>2</sup>, Fei-Xing Wang and Ming-Hui Chen (2014), "Bayesian Inference for Stochastic Volatility Models Using the Generalized Skew-t Distribution with Applications to the Shenzhen Stock Exchange Returns", Statistics and Its Interface, 7 (4): 487-502.

James O. Berger, Xiaojing Wang and Lei Shen (2014), "A Bayesian Approach to Subgroup Identification", Journal of Biopharmaceutical Statistics, 24 (1): 110-129.

Xiaojing Wang, James O. Berger and Donald S. Burdick (2013), "Bayesian Analysis of Dynamic Item Response Models in Educational Testing", Annals of Applied Statistics, 7(1): 126-153.

Yong Zhou, Alan T.K. Wan, Shangyu Xie and Xiaojing Wang (2010), "Wavelet Analysis of Change-points in a Non-parametric Regression with Heteroscedastic Variance", Journal of Econometrics, 159 (1): 183-201.

Yong Zhou, Jinhong You and Xiaojing Wang (2009), "Strong Convergence Rates of Several Estimators in Semiparametric Varying-Coefficient Partially Linear Models", Acta Mathematica Scientia, 29(5): 1113-1127.

Yong Zhou, Alan T.K. Wan and Xiaojing Wang (2008), "Estimating Equations Inference with Missing Data", Journal of the American Statistical Association, 103 (483): 1187-1199.

Xiaojing Wang (2008), "The Factor Analysis of and Comprehensive Evaluation on the Development Level of High-Tech Industry in Different Provinces in China", Mathematics in Practice and Theory, Beijing, 37 (18):17-28.

BOOK CHAPTER	Yang Liu <sup>1</sup> , Lijiang Geng <sup>1</sup> , <b>Xiaojing Wang</b> , Donghui Zhang, Ming-Hui Chen
(Refered)	(2019), "Subgroup Analysis from Bayesian Perspectives", Design and Analysis
	of Subgroups with Biopharmaceutical Applications.

Conference	Richard Huggins, Xiaojing Wang <sup>2</sup> and Yong Zhou (2014), "Semiparametric
Proceedings	Estimation of Animal Abundance Using Capture-recapture Data from Open
and Technical	

<sup>&</sup>lt;sup>2</sup>The corresponding author

Reports

<sup>1</sup>Ph.D. Supervised by Xiaojing Wang (NON-REFEREED)

Populations: Log-linear Models", Technical Reports, Department of Statistics, University of Connecticut, 2014-23.

Xiaojing Wang and James O. Berger (2011), "Estimating Shape Constrained Functions Using Gaussian Processes", <i>Joint Statistical Meeting Proceedings</i> , Sec- tion on Nonparametric Statistics: 5162-5171.
Ioanna Manolopoulou, <b>Xiaojing Wang</b> , Chunlin Ji, Heather E. Lynch, Shelley Stewart, Gregory D. Sempowski, S. Munir Alam, Mike West and Thomas B. Kepler (2009), "Statistical Analysis of Cellular Aggregates in Immunofluorescence Histology", <i>Discussion Paper, the Department of Statistical Science, Duke University</i> , 2009-19.
Panpan Zhang and <b>Xiaojing Wang</b> (2019), "Several Topological Indices of Random Caterpillars", <i>Journal of Mathematical Chemistry</i> .
Tairan Ye, Victor Hugo Lachos Davila, <b>Xiaojing Wang</b> , and Dipak Dey (2019), "Comparisons of Zero-Inflated Continuous Regression Models from a Bayesian Perspective", <i>Statistics in Medicine</i> .
Tairan Ye, Victor Hugo Lachos Davila, <b>Xiaojing Wang</b> , and Dipak Dey (2019), "Bayesian Analysis of Tweedie Model with Conditional Autoregressive Prior", <i>The Journal of the International Actuarial Association</i> .
<b>Xiaojing Wang</b> (2018), "Simultaneously Modeling and Detecting Local Dependence in Dynamic Item Response Models", submitted to <i>Journal of Educational and Behavior Statistics</i> .
<b>Xiaojing Wang</b> , Abhisek Saha <sup>1</sup> , and Dipak Dey (2018), "Bayesian Analysis of Joint Modeling Response Times with Dynamic Latent Ability in Educational Testing", revision submitted to <i>Psychometrika</i> (third round).
Wuqing Wu, <b>Xiaojing Wang</b> <sup>2</sup> , Zihao Su, Muzi Chen (2018), "Statistical Modeling of Earnings Distribution: Properties of Estimators, Simulation and Empirical Evidence", <i>Journal of Applied Statistics</i> , in revision.
Yang Liu <sup>1</sup> , <b>Xiaojing Wang</b> and Ming-Hui Chen (2019), "Fast Variable Selection Using Bayesian Factor for Dynamic Linear Models".
Eduardo Schneider <sup>1</sup> , <b>Xiaojing Wang</b> and Jorge Bazán (2019), "Bayesian Analysis of Cognitive Diagnosis Models for Continuous Responses".
Xiaojing Wang and Panpan Zhang (2019), "A Composition of Latent Space Model and Stochastic Blockmodel for Social Network Clustering with Unknown Number of Communities".

 $<sup>^{1}\</sup>mathrm{Ph.D.}$  supervised by Xiaojing Wang  $^{2}\mathrm{The}$  corresponding author

	Panpan Zhang, <b>Xiaojing Wang</b> (2019), "Several Statistical Indices of Random Caterpillars".
	Zheng Wei, <b>Xiaojing Wang</b> , Erin M. Conlon (2019), "Parallel Markov Chain Monte Carlo for Bayesian Dynamic Item Response Models in Educational Test- ing, in Two Stages".
	Wuqing Wu, <b>Xiaojing Wang</b> (2019), "Detecting Earnings Management: A Novel Tobit Modeling Approach".
	Abhishek Bishoyi <sup>1</sup> , <b>Xiaojing Wang</b> and Dipak K. Dey (2019), "Flexible Symmetric Power Link Functions in Nonparametric Ordinal Regression with Gaussian Process Priors".
	<b>Xiaojing Wang</b> (2019), "Bayesian Classification for Latent Trajectories of Students' Ability in Dynamic Item Response Models".
	<b>Xiaojing Wang</b> (2019), "Using Gaussian Processes to Estimate Shape Con- strained Functions: A Comparison of Competitive Methods".
	Abhishek Bishoyi <sup>1</sup> , <b>Xiaojing Wang</b> and Dipak K. Dey (2019), "Modeling Group Sparsity with Gaussian Process Priors".
	Wenling Song, Yanhui Zhao, Guiying Zheng, Shujing Shi, Qiongwei Huang, <b>Xiaojing Wang</b> (2019), "Comparison of Measurement Techniques Affecting First Trimester Uterine Artery Doppler Pulsatlity Index".
	Wenling Song, Yanhui Zhao, Guiying Zheng, Shujing Shi, Qiongwei Huang, <b>Xiaojing Wang</b> (2019), "Reference Range of First Trimester Uterine Artery Doppler Pulsatlity Parameters in a Population sample from Northeast China".
Textbooks	Yong Zhou, Shangyu Xie, <b>Xiaojing Wang</b> and Yubei Ma (2010), Translation of " <i>Probability &amp; Statistics for Engineers &amp; Scientists (8th Edition)</i> ", China Machine Press.
TEXTBOOKS IN PREPARATION	Nalini Ravishanker, Dipak K. Dey and <b>Xiaojing Wang</b> (2018), "A First Course in Linear Model Theory, Second Edition".
Special Invited Talks	<ol> <li>2nd International Conference on Econometrics and Statistics</li> <li>One of the Three Special Invited Sessions in the Conference Hong Kong, Hong Kong SAR, 06/2018</li> </ol>
	2. 2016 Spring Research Conference SIAM/ASA Journal on Uncertainty Qualification Invited Session Chicago, IL, USA, 05/2016

Invited	
Talks	3. 33rd New England Statistics Symposium
	Hartford, CT, USA, 05/2019
	4. Department of Mathematics and Statistics, Boston University
	Boston, MA, USA, 10/2018
	5. 2018 International Symposium on Dusiness and industrial Statistics Pirgaus Crosse 07/2018
	6 2018 World Meeting of ISBA Edinburgh UK 06/2018
	7. Conference on Bayesian Modeling. Computation. and Applications
	in Honor of Professor Lynn Kuo Storrs, CT, USA, 05/2018
	8. Department of Mathematics and Statistics, University of Massachusetts, Amherst. MA_USA_03/2018
	9. 2016 World Meeting of ISBA Sardinia, Italy, 06/2016
	10. Symposium on "Plant Diversity in the GCFR: From Genomes to Biomes"
	Cape Town, South Africa, 07/2015
	11. 2015 IMS-China International Conference on Statistics and Probability
	Kunming, China, 07/2015
	12. Joint 24th ICSA Applied Statistics Symposium and 13th Graybill Confer- ence
	Fort Collins, CO, USA, 06/2015
	13. 29th New England Statistics Symposium Storrs, CT, USA, 04/2015
	14. Department of Mathematical Sciences, Worcester Polytechnic Institute
	Worcester, MA, USA, 03/2015
	15. Sanofi U.S. Cambridge, MA, USA, 01/2015
	16. Department of Mathematics and Statistics, University of New Hampshire,
	17 Department of Biostatistics, Vale University
	New Haven, CT. USA, 09/2014
	18. Department of Statistics, The Chinese University of Hong Kong
	Hong Kong, Hong Kong SAR, 07/2014
	19. Department of Mathematics and Computational Science
	Sun Yat-sen University Guangzhou, China, 07/2014
	20. International Workshop on Controlling Multiplicity in Statistical Analysis
	Shanghai, China, 06/2014
	21. Sixth International Statistics Forum at Renmin University of China
	Beijing, China, 05/2014
	22. 70th Annual Meeting of National Council on Measurement in Education Philadelphia PA 0//901/
	23 Thomas J Watson Research Center
	Yorktown Heights. NY. 03/2014
	24. Statistical and Computational Theory & Methodology for Big Data Analysis
	Banff, Canada, 02/2014
	25. Department of Mathematics and Statistics, University of Massachusetts
	Amherst, MA, USA, 10/2013
	26. 2013 ICSA/ISBS Joint Statistical Conference
	Bethesda, $MD$ , $USA$ , $06/2013$
	27. Modern Modeling Methods Conference Storrs, CT, USA, 05/2013 28. 2012 Appual Eastern North American Design Casing Marting
	20. 2015 Annual Eastern North American Region Spring Meeting

		Orlando, FL, USA, 03/2013	
	29. 2013 International Workshop on Bayesian	Model Selection	
	× v	Shanghai, China, 01/2013	
	30 Department of Statistics Renmin Universi	ty of China	
		Rejijing Ching 19/9019	
	21 Statistical Crown Eli Lilly and Company	Deifing, Onina, 12/2012	
	51. Statistical Group, En Liny and Company	I I' I' IN UCA OF (0010	
		Indianapolis, IN, USA, 05/2012	
	32. Department of Statistics, University of Con	nnecticut,	
		Storrs, CT, USA, 03/2012	
	33. Department of Statistics and Probability, I	Michigan State University,	
	1	East Lansing, MI, USA, 02/2012	
	34. Department of Biostatistics, University of	Minnesota,	
		Twin Cities, MN, USA, 02/2012	
		, , , <b>,</b> , , ,	
T a ma ai			
TOPIC-			
Contributed	35. 2015 Joint Statistical Meetings	Seattle, WA, USA, 08/2015	
Talks	36. 2014 Joint Statistical Meetings	Boston, $MA$ , $USA$ , $08/2014$	
	37. 2011 Joint Statistical Meetings A	Miami Beach, FL, USA, 08/2011	
CONTRIDUTED			
CONTRIBUTED		V. C. 1. 00/0010	
TALKS	38. 2010 Joint Statistical Meetings	Vancouver, Canada, 08/2010	
Poster			
Presentations	39. Deep Learning Opening Workshop		
		Durham NC USA 08/2019	
	40 15th IMS New Researchers Conference (In	wited)	
	40. 15th hills frew researchers conference (17	Montreal Canada 08/2012	
	41 0010 OL: 1' D M 1'	MONTPEAL, Canada, 08/2013	
	41. 2013 Objective Bayes Meeting	Durnam, NC, USA, 12/2013	
	42. 12th Annual ASA Connecticut Chapter M	ini-Conference	
		Ridgefield, CT, USA, 03/2014	
	43. 2011 International Workshop on Objective	3. 2011 International Workshop on Objective Bayesian Methodology	
		Shanghai, China, 06/2011	
	44. Ninth Valencia International Meeting on B	Sayesian Statistics and	
	ISBA 2010 World Meeting	Benidorm. Spain. 06/2010	
	45 Frontiers of Statistical Decision Making an	d Bayesian Analysis	
	in Honor of James O. Borger	San Antonio TX $USA = 0.2/9010$	
	In monor of James O. Derger	<i>Jun Antonio</i> , <i>1A</i> , <i>OSA</i> , <i>05/2010</i>	
Teaching	University of Connecticut		
Experience	Instructor		
	• Graduate Level Courses:		
	STAT 6694: Seminar in Multivariate St	atistics: Linear Model II	
	Spring 2018 Spring 2016 Spring 201	5 Spring 2017 and Spring 2013	
	STAT 6404. Current Trends in Revesior	Methodology with Applications	
	SIAI 0494. Current frends in Dayesian	Common a 2016	
		Spring 2016	
	STAT 5765: Bayesian Data Analysis		

Spring 2019, Spring 2020

BIST/STAT 5725: Linear Statistical Models	
Every Year from Fall 20	019 to Fall 2012
BIST/STAT 5685: Mathematical Statistics II	
Spring 2019, Spring 20	18, Spring 2015
GRAD 6950: Doctoral Dissertation Research	
Spring 2017, Fall 20	16, Spring 2016
• Undergraduate Level Course:	
STAT 3445: Introduction to Mathematical Statistics	Spring 2014
Duke University	
Instructor	
• Undergraduate Level Course:	
STA 101: Data Analysis and Statistical Inference	Summer 2011
Teaching Assistant	
• Graduate Level Course:	
STA 213: Introduction to Statistical Methods	Fall 2010
• Undergraduate Level Course:	
STA 102: Introduction to Biostatistics	Spring 2011
STA 104: Probability	Fall 2008

Workshop and Symposium Tutorials

#### Lecturer

- "An Introduction to Bayesian Modeling Using R and JAGS", Symposium on "Plant Diversity in the GCFR: From Genomes to Biomes" Half-day Short Courses with Dr. Kent Holsinger July 2015
- "An Introduction to Least Squares Estimation", Interdisciplinary Workshop for Undergraduate Students and Faculty Half-day Tutorials May 2011

# Ph.D.'s Advising

Graduate Students

Advising

As Major Advisor:

- Abhisek Saha, "Bayesian Analysis of Item Response Theory and its Applications to Longitudinal Education Data", Graduated in August 2016, Postdoctoral Fellow at University of Texas, MD Anderson.
- Abhishek Bishoyi, "Application of Gaussian Process Priors on Bayesian Regression", Graduated in August 2017, Quantitative Analyst at Selective Insurance.
- Yang Liu, Ph.D. Student, "Bayesian Item Response Theory: Methods and Applications", Graduated in August 2019, Research Associate at UpStart.
- Boyi Zhang, Ph.D. Student, 08/2018-present
- Yifan Li, Ph.D. Student, 05/2019-present
- Jingyu Sun, Ph.D. Student, 08/2019-present
- Zhiduo Chen, Ph.D. Student, 08/2019-present

## <u>As Associate Advisor:</u>

• Gyuhyeong Goh, "Applications of Bregman Divergence Measures in Bayesian Modeling", Graduated in June 2015, Assistant Professor at Kansas State University.

- Volodymyr Serhiyenko, "Dynamic Modeling of Multivariate Counts Fitting, Diagnostics, and Applications", Graduated in August 2015, Data Scientist at Metabiota.
- Tairan Ye, "Bayesian Modeling for Spatial-temporal Insurance Data Using Tweedie Models", Graduated in August 2019, Liberty Mutual.

#### Grants Supported Research Assistants:

- Yingying Xie, 12/2013-12/2015 (*Graduated*, Postdoctoral Fellow at University at Buffalo, The State University of New York)
- Lijiang Geng, 08/2016-05/2017

## Visiting Ph.D. Student's Advising

• Eduardo Schneider Bueno de Oliveira, Department of Statistics, Federal University of São Carlos, Brazil, 08/2018-01/2019.

#### Master's Advising

As Major Advisor:

- 08/2018-present: Ruonan He, Yizhou Jin, Yujie Lei, Hongxin Xue
- 08/2017-present: Yuhan Bi, Qinxiao Shi
- $\bullet$ 08/2016-05/2018: Ninghan Duan, Yueqi Liu

#### As Associate Advisor:

- 03/2018-present: Jinyi Chen, Kun Huang, Pang-Yu Liu, Yufan Shu, Xinyi Tang, Wenqing Yu
- 08/2017-present: Mengru Chang, Xuan Zhang, Zhuohao Sun, Xiaodu Shi
- 08/2014-08/2016 (Graduated): Yuxin Ding, Lele Fu, Shengchuan Guo, Tianhua Hu, Liyang Jin, Yixuan Li, Yuqing Li, Xiaochen Lin, Kangyan Liu, Disheng Mao, Wei Shi, Wenxiao Xiao, Liyang Xie, Yun Zhang
- 08/2013-08/2015 (Graduated): Qiang Chen, Xuesong Chen, Linna Du, Jinhuizi Fu, Zuopeng Fu, David James Harris, Yin Xin, Yayun Xu, Dehao Zhang
- 08/2012-08/2013 (Graduated) : Enida Halilovic, Yue Wang, Yige Zhao

#### Achievements and Awards for Students Advising

- Abhisek Saha, *Pearson Travel Award*, 2015 International Meeting of the Psychometric Society, Beijing, China, 07/2015.
- Gyuhyeong Goh,
  - Student Paper Award, Section on Bayesian Statistical Science of the American Statistical Association, 2015 Joint Statistical Meetings, Seattle, WA, USA, 08/2015.
  - Gottfried Noether Award for Mathematical Statistics, Annual Statistics Department Awards for Student Achievement, 12/2012
- Volodymyr Serhiyenko, Best Performance in Inference, Annual Statistics Department Awards for Student Achievement, 12/2013
- Yang Liu,
  - ACTnext Travel Award, 2017 International Meeting of the Psychometric Society, Zurich, Switzerland, 07/2017
  - Best Performance in Inference, Annual Statistics Department Awards

for Student Achievement, 09/2017

- Probability Sequence Award, Annual Statistics Department Awards for Student Achievement, 09/2016
- Lijiang Geng,
  - Best Performance in Probability, Annual Statistics Department Awards for Student Achievement, 09/2017
  - Gottfried Noether Award for Mathematical Statistics, Annual Statistics Department Awards for Student Achievement, 09/2016

#### PROFESSIONAL Professional Positions

Services

- Member, Committee on Membership Retention and Recruitment, American Statistical Association, 2016-2018.
- Member, Membership Committee, International Chinese Statistical Association, 2013-2015.
- Member, Treasurer Committee, New England Statistical Society, 2018-present.

#### Conference Services

- Organizing Committee, 34th Quality and Productivity Research Conference, 06/2017.
- Invited Session Organizers,
  - 2018 ICSA Applied Statistics Symposium, 06/2018;
  - 33rd New England Statistical Symposium, 05/2018;
  - 2017 International Society for Business & Industrial Statistics Meeting, 06/2017;
  - 2017 ICSA Applied Statistics Symposium, 06/2017;
  - 34th Quality and Productivity Research Conference, 06/2017;
  - 10th ICSA International Conference, 12/2016;
  - -2016 World Meeting of ISBA, 06/2016;
  - Joint 24th ICSA Applied Statistics Symposium and 13th Graybill Conference, 06/2015;
  - 29th New England Statistics Symposium, 04/2015;
  - 2014 ICSA and KISS Joint Applied Statistics Symposium, 06/2014;
  - Sixth International Statistics Forum at Renmin University of China, 05/2014.
- Special Topic Session Organizers,
  - 2015 Joint Statistical Meetings, 08/2015;
  - 2014 Joint Statistical Meetings, 08/2014.
- <u>Session Chairs</u>,
  - Invited Session, 34th Quality and Productivity Research Conference, 06/2017
  - Contributed Session, 2015 Joint Statistical Meetings, 08/2015
  - Invited Session, Joint 24th ICSA Applied Statistics Symposium and 13th Graybill Conference, 06/2015
  - Invited Session, Sixth International Statistics Forum at Renmin Univer-

sity, 05/2014

- Contributed Session, 27th New England Statistics Symposium, 04/2013
- <u>Award Committee Members</u>,
  - IBM Student Award, 29th New England Statistics Symposium, 04/2015;
  - Google Poster Award, 29th New England Statistics Symposium, 04/2015.

Associate Editor, Sankhya A, 01/2019-present Reviewers

- For Conferences:
  - 2020 National Council on Measurement in Education Annual Meeting
  - 2020 American Educational Research Association Annual Meeting
  - 2015 American Educational Research Association Annual Meeting
- <u>For Grants</u>:
  - NSF Grant, 2013-present
  - Natural Sciences and Engineering Research Council of Canada Grant, 2015-present
  - Research Grants Council of Hong Kong, 2018-present
- *For Databases*:
  - Mathematical Reviews/MathSciNet, 2018-present
- <u>For Journals</u>:
  - Statistical Theory and Related Fields, 2019-present
  - Statistics, 2018-present
  - Journal of Biopharmaceutical Statistics, 2017-present
  - Psychometrika, 2017-present
  - IEEE Transactions on Systems, Man and Cybernetics, 2017-present
  - Journal of Applied Statistics, 2017-present
  - PLOS ONE, 2016-present
  - Statistics in Medicine, 2016-present
  - Journal of Statistical Computation and Simulation, 2016-present
  - Journal of Business and Economic Statistics, 2016-present
  - Biometrical Journal, 2016-present
  - IIE Transactions, 2016-present
  - Bayesian Analysis, 2015-present
  - Journal of American Statistical Association, 2015-present
  - Statistica Sinica, 2015-present
  - Biometrics, 2015-present
  - Journal of Machine Learning Research, 2015-present
  - Journal of the Royal Statistical Society, 2015-present
  - Statistical Analysis and Data Mining, 2015-present
  - Computational Statistics and Data Analysis, 2015-present
  - Environmental and Ecological Statistics, 2015-present
  - Journal of Statistical Software, 2015-present
  - Advances in Statistics, 2014-present
  - Science China Mathematics, 2014-present

	<ul> <li>Journal of Multivariate Analysis, 2014-present</li> <li>Communications in Statistics –Theory and Methods,</li> <li>Applied Stochastic Models in Business and Industry,</li> <li>Annals of Applied Statistics, 2013-present</li> <li>Methodology and Computing in Applied Probability,</li> <li>Journal of Computational and Graphical Statistics, 2</li> <li>IEEE Transactions on Information Theory, 2013-present</li> </ul>	2014-present 2014-present 2013-present 013-present ent	
University and	Faculty Advisor of Statistical Consulting Services	08/2019-present	
Department Services	Representative of the Graduate Faculty Council	05/2019-present	
	Search Committee for Assistant Professor in Residence on Stamford Campus of UCONN	05/2010.07/2010	
	Committee Member	05/2019-07/2019	
	AAUP Delegation for Statistics	01/2019-05/2019	
	Gratis Faculty Appointments Committee Department of Statistics, University of Connecticut Committee Chair	08/2018-present	
	Graduate Students and Distinguished Alumni Awards Comr Department of Statistics, University of Connecticut Committee Member	nittee 08/2018-present	
	Library and Technical Report Committee Department of Statistics, University of Connecticut Committee Member	08/2018-present	
	R. Makuch Distinguished Lecture Department of Statistics, University of Connecticut Committee Chair Committee Member	08/2016-08/2018 01/2015-08/2016	
	Department Colloquium Department of Statistics, University of Connecticut Committee Chair Committee Member	08/2014-08/2018 08/2012-08/2019	
	Alumni and Friends Receptions at JSM and Other Conferences Committee		
	Committee Chair Committee Member	08/2014-08/2018 08/2014- present	

Graduate Course Curriculum	
Department of Statistics, University of Connecticut	
Committee Member	08/2016-08/2017
Visiting Assistant Professor Search Committee	
Department of Statistics, University of Connecticut	
Committee Member	08/2015-08/2016
Graduate Consultative Committee	
Department of Statistical Science, Duke University	
First-year Graduate Student Mentor	05/2011-05/2012
Committee Member	09/2010-09/2011
Chinese Students and Scholars Association	
Duke University	
Finance Chair	05/2009-05/2010