

Min Wang

CONTACT INFORMATION

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School of Data Science 470E [Google Scholar]

RESEARCH INTERESTS

Applied Statistics; Bayesian Statistics; High-dimensional Inference; Multivariate Analysis; Statistical Consulting; Statistical Learning.

EMPLOYMENT

- Professor, Department of Management Science and Statistics, The University of Texas at San Antonio, September 2023 - present.
- Associate Professor, Department of Management Science and Statistics, The University of Texas at San Antonio, August 2019 - August 2023.
- Adjunct Associate Professor, Department of Mathematics and Statistics, Texas Tech University, August 2019 - present.
- Associate Professor, Department of Mathematics and Statistics, Texas Tech University, January 2018 – August 2019.
- Adjunct Associate Professor, Department of Mathematical Sciences, Michigan Technological University, January 2018 - April 2020.
- Associate Professor, Department of Mathematical Sciences, Michigan Technological University, August 2017 - December 2017.
- Assistant Professor, Department of Mathematical Sciences, Michigan Technological University, August 2013 - August 2017.

EDUCATION

- Ph.D. in Statistics, School of Mathematical and Statistical Sciences, Clemson University, Clemson, USA, May 2013.
Thesis Title: Bayesian hypothesis testing and variable selection in high dimensional regression. *Advisor:* Dr. Xiaoqian Sun. (University of Missouri-Columbia)
- M.S. in Statistics, School of Mathematical and Statistical Sciences, Clemson University, Clemson, USA, May 2010.
Thesis Title: Bayesian variable selection with correlated predictors in linear models. *Advisor:* Dr. Xiaoqian Sun. (University of Missouri-Columbia)
- B.A. in Mathematics and Statistics with Distinction, Department of Mathematics and Statistics, Concordia University, Montreal, Canada, December 2007.

HONORS AND AWARDS

- Outstanding Graduate Mentor Award. The University of Texas at San Antonio, 2023.
- First-Gen STEM Scholars Faculty Mentor. The University of Texas at San Antonio, 2021.
- Graduate Professor of the Year 2018. Texas Tech University chapter of the Society for Industrial & Applied Mathematics (SIAM).
- Outstanding Mentor of the Year, Department of Mathematics and Statistics, Texas Tech University, 2018 - 2019.
- Departmental Teaching Award, Department of Mathematics and Statistics, Texas Tech University, 2018 - 2019.
- Kliakhandler Fellow, Department of Mathematical Sciences, Michigan Technological University, 2016 - 2017.
- Finalist, Campus-wide Distinguished Teaching Award, Michigan Technological University, 2016.

- Junior Faculty Outstanding Research Award, Department of Mathematical Sciences, Michigan Technological University, 2015 - 2016.
- Junior Faculty Outstanding Teaching Award, Department of Mathematical Sciences, Michigan Technological University, 2014 - 2015.
- Junior Faculty Outstanding Research Award, Department of Mathematical Sciences, Michigan Technological University, 2013 - 2014.

GRANT PROPOSALS
PENDING & FUNDED

12. **M. Wang** (PI), A generative Bayesian procedure to modeling high-dimensional data with mixed-type outcomes. The Internal Research Awards (INTRA) Program at the University of Texas at San Antonio. 10/1/2022-7/31/2023 for \$5,000.
11. **M. Wang** (PI), First-Year Student Experience and Faculty Engagement Mini-Grant, Student Success at the University of Texas at San Antonio. 4/1/2022-6/31/2022 for \$1,000.
10. **M. Wang** (PI), Bayesian General Linear Hypothesis Testing in High-Dimensional Linear Models. The Internal Research Awards (INTRA) Program at the University of Texas at San Antonio. 8/1/2020-7/31/2021 for \$5,000.
9. Jingfeng Jiang (PI), Personalized Management of Intracranial Aneurysms Using Computer-aided Analytics. National Institutes of Health R01 grant (R01-EB029570A1), 04/07/2021 - 04/05/2025. Role: Statistical Consultant.
8. Jingfeng Jiang (PI), **M. Wang** (Co-I) and Zhengfu Xu (Co-I). Elastography-based Analytics for Benign and Malignant Breast Disease. National Institutes of Health R15 grant (1EB026197-01), 8/1/2018-7/31/2021 for \$455,864.
7. John Durocher (PI), Jason Carter (Co-I), Jeanie Park (Co-I) and **M. Wang** (Co-I). Mindfulness and Neural Cardiovascular Control in Humans. National Institutes of Health R15 grant (1R15HL140596-01), 07/01/2018-06/30/2021 for \$451,781.
6. Zhen Liu (PI), Stan Vitton (Co-PI), **M. Wang** (Co-PI) and Michael Billmire (Co-PI). Develop and Implement a Freeze Thaw Model Based Seasonal Load Restriction Decision Support Tool. Michigan Department of Transportation, 2017 - 2019 for \$151,376.
5. **M. Wang** (Sole PI), Bayesian Inference in Statistics and Statistical Genetics. National Science Foundation (NSF 1719789), 2017 - 2018 for \$10,000.
4. **M. Wang** (PI). Workshop on Bayesian Inference in Statistics and Statistical Genetics. IMA PI Grad Conference, Institute for Mathematics and its Applications (IMA), August 2016 for \$4,000.
3. Adrienne Minerick (PI), Laura Brown (Co-PI) and **M. Wang** (Co-PI). STTR Phase II: Microdevice for Rapid Blood Typing without Reagents and Hematocrit Determination (PI: R. Minerick subcontract of \$305,000 to MTU). National Science Foundation (NSF 1632678), 2016-2018 for \$750,000.
2. Shivam Bharti (PI), Jingfeng Jiang (Co-PI) and **M. Wang** (Co-PI). Translating Automated Flow Analysis Into a Clinical Setting. University of Michigan-MI Initiative for Innovation and Entrepreneurship (MIIE), 07/01/2014 - 06/30/2015 for \$43,882.
1. Jason Carter (PI). Sleep Deprivation and Neural Cardiovascular Control in Postmenopausal Women. National Institutes of Health R15 grant (1R15HL122919-01), 09/01/2014 - 08/03/2017. Role: Statistical Consultant.

Refereed Journal Publications

(Note: * denotes advisee, † denotes corresponding author)

87. Z. Jiang, **M. Wang** and L. Wu (2023+). A novel residual subsampling method for skew-normal mode regression model with massive data. In press. *Communications in Statistics - Simulation and Computation* [pdf].
86. C. Park, L. Ouyang and **M. Wang**† (2023+). Development of robust X-bar charts with unequal sample sizes. In press. *Quality and Reliability Engineering International* [pdf].
85. C. Park, X. Gao and **M. Wang**† (2023+). Robust explicit estimators using the power-weighted repeated medians. In press. *Journal of Applied Statistics* [pdf].
84. M. Rezaeitaleshmahalleh, K. Sunderland, Z. Lyu, T. Johnson, K. King, D. Liedl, J. Hofer, **M. Wang**, X. Zhang, W. Kuczmik, T. Rasmussen, R. McBane and J. Jiang (2023+). Computerized differentiation of growth status for abdominal aortic aneurysms: a feasibility study. In press. *Journal of Cardiovascular Translational Research* [pdf].
83. F. Chen*, Q. Hai and **M. Wang**† (2023+). Bayesian hypothesis testing for equality of high-dimensional means using cluster subspaces. In press. *Computational Statistics* [pdf].
82. S. Liu, **M. Wang** and Q. Xiao (2023+). Unveiling evolution characteristics of inventive activity on climate change mitigation technologies in China. In press. *Environment, Development and Sustainability* [pdf].
81. X. Zeng, **M. Wang**, Y. Ju and L. Wu (2023+). A hierarchical Bayesian approach for finite mixture of mode regression model using skew-normal distribution. In press. *Communications in Mathematics and Statistics* [pdf].
80. R. Alotaibi, E. Almetwally, **M. Wang**† and H. Rezk (2023+). Optimal scheme and estimation for a bivariate step-stress accelerated life test with the inverse Weibull distribution under type-I progressive censored samples. In press. *Quality and Reliability Engineering International* [pdf].
79. C. Park and **M. Wang**† (2023). A note on the g and h control charts. *Communications in Statistics - Theory and Methods* 52, 7334-7349 [pdf].
78. C. Park, L. Ouyang and **M. Wang**† (2023). A study on the performance of the probability-limit control charts based on the geometric and negative binomial distributions. *Computers & Industrial Engineering* 180, 109275 [pdf].
77. Z. Han, Q. Zhang, **M. Wang**†, K. Ye and M. Chen (2023). On efficient posterior inference in normalized power prior Bayesian analysis. *Biometrical Journal* 65(5), 2200194 [pdf].
76. Z. Ma*, **M. Wang**† and C. Park (2023). Robust explicit estimation of the log-logistic distribution with applications. *Journal of Statistical Theory and Practice* 17, 21 [pdf].
75. K. Du, **M. Wang**†, T. Lu and X. Sun (2023). Estimation based on hybrid censored data from the power Lindley distribution. *Communications in Statistics - Simulation and Computation* 52, 3939-3957 [pdf].
74. N. Mu, M. Rezaeitaleshmahalleh, Z. Lyu, **M. Wang**, J. Tang, C. M. Strother, J. Gemmete, A.S. Pandey and J. Jiang (2023). Can we explain machine learning based prediction for rupture risk assessments of intracranial aneurysm? *Biomedical Physics & Engineering Express* 9, 037001 [pdf].
73. S. Zhang*, K. Ye and **M. Wang**† (2023). A simple consistent Bayes factor for testing the Kendall rank correlation coefficient. *Journal of Statistical Computation and Simulation* 93(6), 888-903 [pdf].

72. Z. Han, K. Ye and **M. Wang**[‡] (2023) A study on the power parameter in power prior Bayesian analysis. *The American Statistician* 77, 12-19 [pdf].
71. L. Ouyang, M. Han, Y. Ma, **M. Wang** and C. Park (2023). Simulation optimization using stochastic Kriging with robust statistics. *Journal of the Operational Research Society* 74(3), 623-636 [pdf].
70. C. Park, **M. Wang**[‡] and L. Ouyang (2023). Novel robust g and h charts using the generalized Kullback-Leibler divergence. *Computers & Industrial Engineering* 176, 108951 [pdf].
69. K. Yang, J. Liu, **M. Wang**, H. Wang and Q. Xiao (2023). Identifying flow patterns in a narrow channel via feature extraction of conductivity measurements with a support vector machine *Sensors* 23(4), 1907 [pdf].
68. C. Park, **M. Wang** and W. Hwang (2022). Empirical distributions of the robustified t -test statistics. *Industrial Engineering & Management Systems* 21, 432-429 [pdf].
67. D. Mai*, S. Ghosh and **M. Wang**[‡] (2022). A novel Bayesian method for variable selection and estimation in binary quantile regression. *Statistical Analysis and Data Mining* 15, 766-780 [pdf].
66. C. Park, K. Gou and **M. Wang**[‡] (2022). A study on estimating the parameter of the truncated geometric distribution. *The American Statistician* 76, 257-261 [pdf].
65. M. Dao*, **M. Wang**[‡], S. Ghosh and K. Ye (2022). Bayesian variable selection and estimation in quantile regression using a quantile-specific prior. *Computational Statistics* 37, 1339-1368 [pdf].
64. R. Alotaibi, F. Alamri, E. Almetwally, **M. Wang** and H. Rezk (2022). Classical and Bayesian inference of a progressive-stress model for the Nadarajah-Haghighi distribution with type II progressive censoring and different loss functions. 10(9), 1482 *Mathematics* [pdf]. (This article belongs to the Special Issue "Recent Advances in Computational Statistics")
63. S. Dey, M. Saha, S. Zhang* and **M. Wang**[‡] (2022). Classical and objective Bayesian estimation and confidence intervals of an asymmetric loss based capability index C'_{pmk} . *Quality and Reliability Engineering International* 38, 1659-1686. [pdf].
62. C. Park, H. Kim and **M. Wang**[‡] (2022). Investigation of finite-sample properties of robust location and scale estimators. *Communications in Statistics-Simulation and Computation* 1, 2619-2645 [pdf].
61. A. Bennett* and **M. Wang**[‡] (2022). An expectation-maximization algorithm for estimating the parameters of the correlated binomial distribution. *Journal of Undergraduate Research and Scholarly Works* 8 [pdf].
60. L. Ouyang, S. Zhu, K. Ye, C. Park and **M. Wang**[‡] (2022). Robust Bayesian hierarchical modeling and inference using scale mixtures of normal distributions. *IISE Transactions* 54, 659-671 [pdf].
59. Z. Ma*, C. Park and **M. Wang**[‡] (2022). A robust bootstrap control chart for the log-logistic percentiles. *Journal of Statistical Theory and Practice* 16, 1 [pdf].
58. K. Ye, X. Yang, Y. Ji and **M. Wang** (2021). A system for determining maximum tolerated dose in clinical trial. *Statistical Theory and Related Fields* 5, 288-302 [pdf].
57. D. Zhang*, L. Wu, K. Ye and **M. Wang**[‡] (2021). Bayesian quantile semiparametric mixed-effects double regression models. *Statistical Theory and Related Fields* 5, 303-315 [pdf].

56. C. Park, L. Ouyang and **M. Wang**[‡] (2021). Robust g -type quality control charts for monitoring nonconformities. *Computers & Industrial Engineering* 162, 107765. [pdf].
55. K. Sunderland, **M. Wang**, A. Pandey, J. Gemmete, Q. Huang and J. Jiang (2021). Quantitative analysis of flow vortices: differentiation of unruptured and ruptured medium-sized middle cerebral aneurysms. *Acta Neurochirurgica* 163, 2339-2349. [pdf].
54. F. Chen*, K. Ye and **M. Wang**[‡] (2021). The minimum Bayes factor hypothesis test for correlations and partial correlations. *Communications in Statistics - Theory and Methods* 50, 2467-2480. [pdf].
53. L. Ouyang, C. Park, Y. Ma, Y. Ma and **M. Wang**[‡] (2021). Bayesian hierarchical modeling for process optimization *International Journal of Production Research* 59, 4649-4669. [pdf].
52. Y. Liao, Y. Xiang and **M. Wang** (2021). Health assessment and prognostics based on higher order hidden semi-Markov models. *Naval Research Logistics* 68, 259-276. [pdf].
51. A. Roy, R. Widjaja, **M. Wang**, D. Cutright, M. Gopalakrishnan and B. B. Mitta (2021). Treatment plan quality control using multivariate control charts. *Medical Physics* 58, 2118-2126. [pdf].
50. B. Peng and **M. Wang**[‡] (2021). Objective Bayesian testing for the correlation coefficient under divergence-based priors. *The American Statistician* 75, 41-51. [pdf].
49. C. Park, **M. Wang**, R. Alotaibi and H. Rezk (2020). Load-sharing model under Lindley distribution and its parameter estimation using the expectation-maximization algorithm. *Entropy* 22(11), 1329. [pdf].
48. C. Park and **M. Wang** (2020). A study of \bar{X} and S control charts with unequal sample sizes. *Mathematics* 8(5), 698. [pdf]. (This article belongs to the Special Issue Statistical Simulation and Computation)
47. J. Lado-Abeal, C. Diaz, G. Berdine, K. Lwujj, D. Araujo-Vilar, N. Fernandez, **M. Wang**, S. Lojo and M. Rivas (2020). High prevalence of non-thyroidal illness syndrome in patients at long-term care facilities. *Endocrine* 70, 348-355 [pdf].
46. H. Kim, C. Park and **M. Wang** (2020). A study on robustness of the paired sample tests. *Industrial Engineering & Management Systems* 19, 386-397. [pdf].
45. **M. Wang**[‡], F. Chen*, T. Lu and J. Dong (2020). Bayesian t -tests for correlations and partial correlations. *Journal of Applied Statistics* 20, 1820-1832. [pdf].
44. M. Yang, **M. Wang** and G. Dong (2020). Bayesian variable selection for mixed effects model with shrinkage prior. *Computational Statistics* 35, 227-243 [pdf].
43. T. Lu, M. Lu, **M. Wang**, J. Zhang and G. Dong (2019). Partially linear mixed-effects joint models for skewed and missing longitudinal competing risks outcomes. *Journal of Biopharmaceutical Statistics*, 29, 971-989. [pdf].
42. **M. Wang** Y. Zhou and G. Tan (2019). Multivariate analysis of variance (MANOVA) on the microstructure gradient of biomimetic nanofiber scaffolds fabricated by cone electrospinning. *Journal of Manufacturing Processes* 44, 55-61. [pdf].
41. B. Peng, Z. Xu and **M. Wang**[‡] (2019). The exponentiated Lindley geometric distribution with applications. *Entropy* 21(5), 510. [pdf].
40. S. Kang*, G. Liu, H. Qi and **M. Wang**[‡] (2018). Bayesian variance changepoint detection in linear models with symmetric heavy-tailed errors. *Computational Economics* 52, 459-477 [pdf].

39. **M. Wang**[†] and Y. Maruyama (2018). Posterior consistency of g -prior for variable selection with a growing model size. *Journal of Statistical Planning and Inference* 196, 19-29 [pdf].
38. D. Zhang^{*}, D. He, X. Sun, T. Lu and **M. Wang**[†] (2018). Objective Bayesian hypothesis testing and estimation for the intraclass model. *Statistical Theory and Related Fields* 2, 37-47 [pdf].
37. G. Liu, L. Zhang and **M. Wang** (2018). Estimation of the Hurst parameter in the simultaneous presence of jumps and noise. *Statistics: A Journal of Theoretical and Applied Statistics* 52, 1156-1192 [pdf].
36. D. Zhang^{*} and **M. Wang**[†] (2018). Objective Bayesian inference for the intraclass correlation coefficient in linear models. *Statistics & Probability Letters* 137, 292-296 [pdf].
35. I. Fonkoue, C. Schwartz, **M. Wang** and J. Carter (2018). Sympathetic neural reactivity to mental stress differs in black and non-Hispanic white adults. *Journal of Applied Physiology* 124, 201-207 [pdf].
34. H. Yao, Q. Dai, Z. You, A. Bick and **M. Wang** (2018). Modulus predictions of the asphalt model with multi-layer graphite nanoplatelet model using molecular Dynamics (MD) method. *Construction and Building Materials* 162, 430-441 [pdf].
33. J. Reath^{*}, J. Dong and **M. Wang**[†] (2018). Improved parameter estimation of the log-logistic distribution with applications. *Computational Statistics* 33, 339-356 [pdf].
32. D. Page-Dumroese, M. Jurgensen, R. Brown, J. Tirocke, C. Millerand and **M. Wang** (2017). Estimating bulk density and carbon and nitrogen pools in a rocky forest soil. *Soil Science Society of America Journal* 81, 1689-1696 [pdf].
31. **M. Wang**[†] (2017). Mixtures of g -priors for analysis of variance models with a diverging number of parameters. *Bayesian Analysis* 12, 511-532 [pdf].
30. S. Li^{*} and **M. Wang**[†] (2017). Bayesian estimation of the generalized lognormal distribution using objective priors. *Journal of Statistical Computation and Simulation* 87, 1323-1341 [pdf].
29. T. Lu, C. Cai, M. Lu, J. Zhang, G. Dong and **M. Wang** (2017). Bayesian varying coefficient mixed-effects joint models with asymmetry and missingness. *Statistical Modelling* 17, 1-25 [pdf].
28. S. Tu, **M. Wang** and X. Sun (2017). Bayesian variable selection and estimation in maximum entropy quantile regression. *Journal of Applied Statistics* 44, 253-269 [pdf].
27. Y. Wang, **M. Wang** and J. Jiang (2017). An analysis of intrinsic variations of low-frequency shear wave speed in a stochastic tissue model: the first application for staging liver fibrosis. *Physics in Medicine and Biology* 62, 1149-1171 [pdf].
26. H. Yao, Q. Dai, Z. You, A. Bick, **M. Wang** and S. Guo (2017). Property analysis of exfoliated graphite nanoplatelets modified asphalt model using molecular dynamics (MD) method. *Applied Sciences* 7, 43. [pdf].
25. **M. Wang**[†] and W. Wang^{*} (2017). Bias-corrected maximum likelihood estimation of the parameters of the weighted Lindley distribution. *Communications in Statistics - Computation and Simulation* 46, 530-545 [pdf].
24. I. Fonkoue, **M. Wang** and J. Carter (2016). Sympathetic neural reactivity to mental stress in offspring of hypertensive parents: 20 years revisited. *American Journal of Physiology - Heart and Circulatory Physiology* 311, 426-432 [pdf].

23. **M. Wang**[‡] and G. Liu (2016). A simple two-sample Bayesian t -test for hypothesis testing. *The American Statistician* 70, 195-201 [pdf].
22. **M. Wang**[‡] and Y. Maruyama (2016). Consistency of Bayes factor for nonnested model selection when the model dimension grows. *Bernoulli* 22, 2080–2100 [pdf].
21. T. Lu, **M. Wang**, G. Liu, G. Dong and F. Qian (2016). Mixed-effects varying-coefficient model with skewed distribution coupled with cause-specific varying-coefficient hazard model with random-effects for longitudinal-competing risk data analysis. *Journal of Biopharmaceutical Statistics* 26, 519–533 [pdf].
20. T. Lu and **M. Wang** (2016). Investigating data dependency for dynamic gene regulatory network identification through high dimensional differential equation approach. *Communications in Statistics - Simulation and Computation* 45, 2377–2391 [pdf].
19. S. Chen, X. Yang, Z. You and **M. Wang** (2016). Innovation of aggregate angularity characterization using gradient approach based upon the traditional and modified Sobel operation. *Construction & Building Materials* 101, 442–449 [pdf].
18. **M. Wang**[‡] and M. Yang (2016). Posterior property of Student- t linear regression model using objective priors. *Statistics & Probability Letters* 113, 23–29 [pdf].
17. **M. Wang**[‡], X. Sun and C. Park (2016). Bayesian inference of the Birnbaum-Saunders distribution via the generalized ratio-of-uniforms method. *Computational Statistics* 31, 207–225 [pdf].
16. S. Tu, **M. Wang** and X. Sun (2016). Bayesian analysis of two-piece location-scale models under reference priors with partial information. *Computational Statistics & Data Analysis* 96, 133–144 [pdf].
15. **M. Wang**[‡] and I. Elbatal (2015). The modified Weibull geometric distribution. *Metron* 73, 303-315 [pdf]
14. **M. Wang**[‡], C. Park and X. Sun (2015). Simple robust parameter estimation for the Birnbaum-Saunders distribution. *Journal of Statistical Distributions and Applications* 2:14 [pdf].
13. S. Kang*, **M. Wang**[‡] and T. Lu (2015). On the consistency of the objective Bayes factor for the integral priors in the one-way random effects model. *Statistics & Probability Letters* 103, 17–23 [pdf].
12. **M. Wang**[‡], X. Sun and T. Lu (2015). Bayesian structured variable selection in linear regression models. *Computational Statistics* 30, 205–229 [pdf].
11. **M. Wang**[‡] and T. Lu (2015). A matching prior for the shape parameter of the exponential power distribution. *Statistics & Probability Letters* 97, 150–154 [pdf].
10. K. Hungwe, S. Sorby, R. Molzon, P. Charlesworth and **M. Wang** (2014). Supporting the development of spatial visualization in middle grade and high school students. *Journal of Women and Minorities in Science and Education* 20, 379–393 [pdf].
9. K. Adepoju, A. Chukwu and **M. Wang** (2014). The beta power exponential distribution. *Journal of Statistical Science and Application*, 2, 37–46 [pdf].
8. T. Lu and **M. Wang** (2014). Nonlinear mixed-effects HIV dynamic models with considering left-censored measurements, *Journal of Statistical Distributions and Applications* 1, 1–13 (Special issue for ICOSDA 2013) [pdf].
7. **M. Wang**[‡] and X. Sun (2014). Bayes factor consistency for nested linear models with a growing number of parameters. *Journal of Statistical Planning and Inference* 147, 95–105 [pdf].

6. **M. Wang**[‡] and X. Sun (2014). Bayes factor consistency for one-way random effects models. *Communications in Statistics - Theory and Methods* 43, 5702–5090 [pdf].
5. T. Lu, Y. Huang, **M. Wang** and F. Qian (2014). A refined parameter estimating approach for HIV dynamic model. *Journal of Applied Statistics* 41, 1645-1657 [pdf].
4. **M. Wang**[‡], J. Zhao, X. Sun and C. Park (2013). Robust explicit estimation of the two-parameter Birnbaum-Saunders distribution. *Journal of Applied Statistics* 40, 2259-2274 [pdf].
3. P. Merritt, G. Cobb, **M. Wang**, P. Schnarrs and S. Jack (2013). Can a gay man play it straight? How being ‘out’ influences perceptions of masculinity and performance appraisal. *Psychology of Popular Media Culture* 2, 150-160 [pdf].
2. **M. Wang**[‡] and X. Sun (2013). Bayes factor consistency for unbalanced ANOVA models. *Statistics: A Journal of Theoretical and Applied Statistics* 47, 1104-1115 [pdf].
1. **M. Wang**[‡] and X. Sun (2012). Bayesian inference for the correlation coefficient in two seemingly unrelated regressions. *Computational Statistics & Data Analysis* 56, 2442-2453 [pdf].

Abstracts

5. K. Sunderland, **M. Wang**, A. Pandey, J. Gemmete, Q. Huang, J. Jiang (2019). Quantitative Analysis of Flow Vortices for Predicting Middle Cerebral Aneurysm Rupture. *Circulation* 140 (Suppl_1), A16063-A16063. [pdf].
4. I. Greenlund, P. Kimmes, **M. Wang**, and J. Durocher (2018). Workplace standing desks and arterial stiffness. *The FASEB Journal*, 32, 722.8. [pdf].
3. T. Wakeham, J. Carter, **M. Wang**, and J. Durocher (2016). Predicting muscle sympathetic nerve activity and mean arterial blood pressure responses to mental stress. *The Michigan Physiological Society Annual Meeting*.
2. T. Wakeham, I. Fonkoue, **M. Wang**, J. Carter and J. Durocher (2016). Predicting muscle sympathetic nerve activity and mean arterial blood pressure responses to mental stress. *The FASEB Journal*, 30, 994.4-994.4. [pdf].
1. I. Fonkoue, **M. Wang** and J. Carter (2015). Family history of hypertension and sympathetic neural reactivity to mental stress in humans. *Hypertension*, 66:A036. [pdf].

Preprints

10. C. Park and **M. Wang** (2023). A goodness-of-fit test for the Birnbaum-Saunders distribution based on the probability plot. arXiv:2308.10150 [stat.AP].
9. C. Park and **M. Wang** (2022). A note on the function for the robust control charts (rcc) in the rQCC package. [pdf].
8. S. Zhang*, K. Ye and **M. Wang**[‡] (2021). A simple consistent Bayes factor for testing the Kendall rank correlation coefficient. arXiv:2105.00364 [stat.ME].
7. C. Park and **M. Wang** (2021). A note on the g and h control charts. arXiv:2101.07575 [stat.AP].
6. C. Park and **M. Wang** (2020). Factors for Constructing Control Limits. [pdf].
5. C. Park and **M. Wang** (2019). Finite-sample properties of robust location and scale estimators. arXiv:1908.00462.

4. H. Kim, C. Park and **M. Wang** (2018). Paired t -test based on robustified statistics. Conference: Fall Conference, Korean Institute of Industrial Engineers at Seoul, Korea. [pdf].
3. C. Park and **M. Wang** (2018). Empirical distributions of the robustified t -test statistics. arXiv:1807.02215v1.
2. **M. Wang** (2014). A new three parameter lifetime distribution and associated inference. ArXiv:1308.4128v1.
1. P. Merritt, G. Cook and **M. Wang** (2014). Erlebacher's method for contrasting the within and between-subjects manipulation of the independent variable using R and SPSS. Technical Report M-1, Clemson, SC. Department of Psychology, Clemson University. [pdf].

R PACKAGES

3. R package `bsgof`. This package performs goodness of fit test for the Birnbaum-Saunders distribution and provides the maximum likelihood estimate and the method-of-moments estimate.
2. R package `rQCC`. This package performs one-sample t -test based on robustified statistics using median/MAD (TA) and Hodges-Lehmann/Shamos (TB).
1. R package `rt.test`. This package constructs robust quality control chart based on the median or Hodges-Lehmann estimator (location) and the median absolute deviation (MAD) or Shamos estimator (scale).

PROFESSIONAL ACTIVITIES / PRESENTATIONS

Oral Presentations

59. Machine learning-based prediction for intracranial aneurysms: a comparative study. *2023 ADSA Annual Meeting*, San Antonio, TX, October 25-27, 2023.
58. Double-robust Bayesian variable selection and model prediction with spherically symmetric errors. *Joint Statistical Meetings 2023*, Toronto, Canada, August 7, 2023.
57. Double-robust Bayesian variable selection and model prediction with spherically symmetric errors. *2023 International Indian Statistical Association (IISA) Conference*, Colorado School of Mines, Golden, Colorado. June 4, 2023. (Invited)
56. Bayesian seemingly unrelated regression model for process optimization. *Department of Management Science and Statistics, The University of Texas at San Antonio, January 27, 2023*.
55. A novel Bayesian approach for quantile regression in high-dimensional models. *Joint Statistical Meetings 2022, August 9, 2022*. (Topic contributed)
54. Bayesian hierarchical modelling for process optimization. *Copper Country Workshop on Applied Mathematics, Statistics, and Data Sciences, Houghton MI, July 7, 2022*. (Invited)
53. Bayesian hierarchical modelling for process optimization. *Department of Mathematics and Statistics, Nanjing Audit University, Nanjing, Jiangsu, China, Virtual presentation, March 24, 2022*. (Invited)
52. Novel Bayesian approaches for variable selection in quantile regression models. *College of Economics and Management, Nanjing University of Aeronautics and Astronautics, Nanjing, Jiangsu, Virtual presentation, November 29, 2021*. (Invited)
51. Bayesian hierarchical modelling for process optimization, Department of Mathematics and Statistics, *Nanjing Audit University, Nanjing, Jiangsu, China, Virtual presentation, March 24, 2022*. (Invited)

50. Robust Bayesian hierarchical modeling and inference using scale mixtures of normal distributions. Faculty of Science, *Kunming University of Science and Technology, Yunnan, China, Virtual presentation, November 24, 2021.* (Invited)
49. Novel Bayesian approaches for variable selection in quantile regression models. *College of Economics and Management, Nanjing University of Aeronautics and Astronautics, Nanjing, Jiangsu, Virtual presentation, November 29, 2021.* (Invited)
48. Bayesian hypothesis testing for the equality of means in high-dimensions using cluster subspaces. *EAC-ISBA 2021, Virtual presentation, November 14, 2021.* (Invited)
47. Bayesian quantile semiparametric mixed-effects double regression models. *2021 ICSA Applied Statistics Symposium, Virtual presentation, September 15, 2021.*
46. A default Bayesian hypothesis test of high-dimensional means using hierarchical clustering *2021 World Meeting of the International Society for Bayesian Analysis, Virtual presentation, June 28, 2021.*
45. Bayesian hypothesis testing on Kendall rank correlation coefficient *Joint Statistical Meetings 2021, Virtual presentation, August 8, 2021.*
44. A default Bayesian hypothesis test of high-dimensional means using hierarchical clustering. *The 5th Coastal Bend Mathematics and Statistics Conference, Texas A&M University-San Antonio, Virtual presentation, April 10, 2021.* (Invited)
43. A new Bayesian strength of evidence for testing a point null hypothesis. *College of Economics and Management, Nanjing University of Aeronautics and Astronautics, Nanjing, Jiangsu, Virtual presentation, November 2, 2020.* (Invited)
42. Bayesian hierarchical modeling for process optimization. *Joint Statistical Meetings 2020, Virtual presentation, August 5, 2020.*
41. How fast can you react? *Outreach talk on Emmy Noether High School Day, Department of Mathematics and Statistics, Texas Tech University, TX, May 15, 2019.*
40. Mixtures of g-priors for Bayesian hypothesis testing in high dimensions. *Department of Management Science and Statistics, The University of Texas at San Antonio, January 2019.*
39. Bayesian general linear hypothesis in linear models with spherically symmetric errors. *Statistics Seminar, Department of Mathematics and Statistics, Texas Tech University, September 17, 2018.*
38. Bayesian analysis of general linear hypothesis testing in the high-dimensional setting. *School of Computer Science, Southwest Petroleum University, July 23, 2018.* (Invited)
37. An introduction to Bayesian hypothesis testing for ANOVA designs. *Beijing Computational Science Research Center, Haidian District, Beijing, China, July 16, 2018.* (Invited)
36. An introduction to Bayesian hypothesis testing for ANOVA designs. *College of Economics and Management, Nanjing University of Aeronautics and Astronautics, Nanjing, Jiangsu, July 11, 2018.* (Invited)
35. An introduction to Bayesian hypothesis testing for ANOVA designs. *Nanjing Audit University, Nanjing, Jiangsu, China, July 8, 2018.* (Invited)
34. How fast can you react? *Outreach talk on Emmy Noether High School Day, Department of Mathematics and Statistics, Texas Tech University, TX, May 16, 2018.*

33. An Introduction to Bayesian hypothesis testing for ANOVA designs. *Department of Mathematics and Statistics, The University of New Mexico, NW, April 26, 2018.* (Invited)
32. Bayesian analysis for general linear hypothesis in linear models with spherically symmetric errors. *BiostatMCW 2017 Conference, The Medical College of Wisconsin, Milwaukee, WI, September 28-30, 2017.*
31. Mixtures of g -priors for analysis of variance models with a diverging number of parameters. *Department of Mathematical Sciences, Michigan Technological University, MI, February 09, 2017.* (Invited)
30. Mixtures of g -priors for analysis of variance models with a diverging number of parameters. *Department of Mathematics and Statistics, Texas Tech University, TX, January 26, 2017.* (Invited)
29. Mixtures of g -priors for analysis of variance models with a diverging number of parameters. *Department of Mathematical Sciences, Clemson University, SC, January 18, 2017.* (Invited)
28. Bayesian hypothesis testing procedures in linear regression models. *Department of Mathematics and Statistics, University of Minnesota Duluth, MN, October 12, 2016.* (Invited)
27. Objective Bayesian analysis of the generalized lognormal distribution and applications. *International Conference on Statistical Distributions and Applications, Crowne Plaza, Niagara Falls, Canada, October 14-16, 2016.* (Invited)
26. A restricted most powerful Bayesian test for correlations and partial correlations. *Statistics/Applied Math Seminar, Department of Mathematical Sciences, Michigan Technological University, MI, September 22, 2016.*
25. Bayesian analysis of testing general hypotheses in linear models with spherically symmetric errors. *Joint Statistical Meetings 2016, Chicago, IL, July 30 - August 4, 2016.*
24. Bayesian and frequentist hypothesis testing: practical relationships and differences. *Workshop on Financial High Frequency Data, Network Data and Related Fields, Nanjing Audit University, Jiangsu, China, June 3-5, 2016.* (Invited)
23. Bayesian analysis of testing general hypotheses in linear models with spherically symmetric errors. *Big Statistics and Data Science, Beijing, China, May 27-29, 2016.*
22. Bayesian and frequentist hypothesis testing: practical relationships and differences, *Department of Mathematics, Kunming University of Science and Technology, Yunnan, China, May 19-26, 2016.* (Invited)
21. Bayesian hypothesis testing procedures in linear regression models. *Department of Mathematics, Southwest Petroleum University, May 16-18, 2016.* (Invited)
20. Bayesian hypothesis testing procedures in linear regression models. *Statistics/Applied Math Seminar, Department of Mathematical Sciences, Michigan Technological University, MI, January, 2016.*
19. Mixtures of g -priors for hypothesis testing in ANOVA models with a diverging number of parameters. *The 1st ICSA Midwest Chapter, Chicago, IL, October 25-26, 2015.* (Invited)
18. Bayes factor approaches for hypothesis testing in ANOVA models. *Joint Statistical Meetings 2015, Seattle, WA, August 8-13, 2015.*
17. On consistency of the Bayes factors based on g -prior in the ANOVA models, *The 2015 ICSA China Statistics Conference, Shanghai, China, July 6-7, 2015.* (Invited)

16. Bayes factors for hypothesis testing in ANOVA designs, *The 2015 IMS-China International Conference on Statistics and Probability, Kunming, China, July 1-4, 2015*.
15. Bayesian high-dimensional variable selection with economic applications, *Department of Mathematics and Statistics, Nanjing Audit University, Nanjing, China, June, 2015*. (Invited)
14. Bayes factors for hypothesis testing in ANOVA designs, *The 24th International Workshop on Matrices and Statistics, IWMS-2015, Hainan, China, May 25-28, 2015*. (Invited)
13. Consistency of Bayes factor for nonnested model selection when the model dimension grows, *NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics (SBIES), Washington University in St. Louis, May, 2015*.
12. Bayes factor approaches for hypothesis testing in ANOVA models, *ENAR 2015 Spring Meeting, Miami, Florida, March, 2015*.
11. Introduction to the R language: computing for data analysis, *Department of Mathematical Sciences, Michigan Technological University, MI, February, 2015*.
10. Consistency of Bayes factor for nonnested model selection when the model dimension grows, *Mini-workshop: IMA-HK-IAS Joint Program on Statistics & Computational Interface to Big Data, HKUST, Hong Kong, January, 2015*.
9. A simple two-sample Bayesian t -test for hypothesis testing, *Annual UP MAA Meeting, Northern Michigan University, MI, October, 2014*.
8. Bayesian structured variable selection in linear regression models. *Joint Statistical Meetings 2014, Boston, Massachusetts, August, 2014*.
7. Bayesian structured variable selection in linear regression models, *NBER-NSF Seminar on Bayesian Inference in Econometrics and Statistics (SBIES), University of Chicago, May, 2014*.
6. List composition affects metacognitive monitoring of emotional valence. *North Carolina Cognition Conference, Durham, NC, March, 2014*. Oral presentation by Paul Merritt.
5. A new three-parameter lifetime distribution and associated inference, *International Conference on Statistical Distributions and Applications, Central Michigan University, MI, October, 2013*.
4. A new three-parameter lifetime distribution and associated inference, *Annual UP MAA Meeting, Michigan Technological University, MI, October, 2013*.
3. A new Bayesian strength of evidence for testing a point null hypothesis, *Colloquium, Department of Mathematical Sciences, Michigan Technological University, MI, January, 2013*.
2. A new Bayesian strength of evidence for testing a point null hypothesis via divergence measures, *Colloquium, Department of Statistics and Probability, Michigan State University, MI, January, 2013*.
1. A new Bayesian strength of evidence for a point null hypothesis testing using divergence measures. *Statistics & Probability Seminar, Clemson University, SC, October, 2012*.

Poster Presentations

7. D. Zhang* and **M. Wang**. Objective Bayesian hypothesis testing and estimation for the intraclass model *ICSA Midwest Chapter, Chicago, IL, October, 2017*. Presentation with D. Zhang
6. Bayesian analysis of testing general hypotheses in linear models with spherically symmetric errors. *18th Meeting of New Researchers in Statistics and Probability, University of Wisconsin-Madison, WI, July 27-30, 2016*.
5. Bayes factor approaches for hypothesis testing in ANOVA models. *Joint Statistical Meetings 2015, Seattle, WA, August 8-13, 2015*.
4. S. Tu, **M. Wang** and X. Sun. Bayesian inference of the asymmetric Laplace distribution with partial information, *ENAR 2014: Baltimore, MD, March, 2014*. Presentation with S. Tu.
3. **M. Wang** and W. Wang*. Bias-corrected maximum likelihood estimation of the parameters of the weighted Lindley distribution *Graduate Research Colloquium, Michigan Technological University, MI, February 2014*. Presentation with W. Wang
2. An explicit Bayes factor for hypothesis testing in ANOVA designs, *OBayes 2013: Celebrating 250 Years of Bayes, Durham, NC, December 2013*.
1. S. Tu, **M. Wang** and X. Sun. Bayesian analysis of the asymmetric Laplace distribution with partial information *OBayes 2013: Celebrating 250 Years of Bayes, Durham, NC, December 2013*.

Other Professional Activities

9. Organizer and Chair, An invited session “Novel Statistical Approaches in Health Data Inference”, The 2023 ADSA Annual Meeting, 25-27, 2023, San Antonio, TX.
8. Organizing Committee, “Alamo Symposium in Statistics: Promoting Data-Based Discovery in South Texas”, March 10-11, 2023, The University of Texas at San Antonio. [Website].
7. Organizer and Chair, An invited session “Recent Advances in Linear Mixed Models and Applications”, The 2021 ICSA Applied Statistics Symposium Program, July 12-15 [Website].
6. Session-chair, The 5th Coastal Bend Mathematics and Statistics Conference, Texas A&M University-San Antonio, April 10, 2021 [Website].
5. Organizer, 2017 Kliakhandler Conference on Bayesian Inference in Statistics and Statistical Genetics, Houghton, MI, August 16-20, 2017 [Website].
4. Session-chair, A parallel session on “Statistical Inference”, Big Statistics and Data Science, Beijing, China, May 27-29, 2016.
3. Organizer and Chair, An invited session “Recent Advances in Bayesian Theory and Applications”, The 2015 ICSA China Statistics Conference, July 6-7, 2016 Shanghai, China.
2. Co-chair, A mini-workshop on Big Data Program at Hong Kong University of Science and Technology, Hong Kong, January 12, 2015.
1. Attended IMA-HK-IAS Joint Program on Statistics and Computational Interface to Big Data, HKUST, Hong Kong, January 4-16, 2015.

TEACHING

University of Texas at San Antonio		August 2019 - present		
Course	Semester	Students	Rating*	
STA6923: Introduction to Statistical Learning	Fall 2022	21	4.70	
STA6613: Applied Bayesian Statistics	Fall 2022	12	4.70	
STA7513: Advanced Inference II	Spring 2022	2	n/a [†]	
STA6933: Advanced Topics in Statistical Learning	Spring 2022	14	4.69	
STA7503: Advanced Inference I	Fall 2021	2	n/a [†]	
STA6613: Applied Bayesian Statistics	Fall 2021	14	4.50	
DA6223: Data Analytic Tools and Techniques (Evening Cohort)	Spring 2021	29	4.79	
STA7513: Advanced Inference II	Spring 2021	3	n/a	
STA7503: Advanced Inference I	Fall 2020	4	n/a	
STA6613: Applied Bayesian Statistics	Fall 2020	21	4.84	
STA6443: Data Analytics Algorithms II	Spring 2020	61	n/a	
DA6223: Data Analytic Tools and Techniques	Spring 2020	65	n/a	
STA6613: Applied Bayesian Statistics	Fall 2019	12	4.55	

* My overall rating of the teaching of this course is, with 5 being the best and 0 the worst.

[†] No teaching evaluation.

Texas Tech University		January 2018 - August 2019		
Course	Semester	Students	Rating*	
STAT5376: Introduction to Statistical Learning	SII 2019	20	4.90	
MATH3342: Mathematical Statistics for Engineers and Scientists	Fall 2018	45	4.67	
MATH3342(H): Mathematical Statistics for Engineers and Scientists	Fall 2018	25	4.77	
STAT5374: Theory of Linear Statistical Models	Fall 2018	20	4.84	
STAT5370: Decision Theory	SI 2018	14	4.46	
STAT5375: Statistical Multivariate Analysis	Spring 2018	6	5.00	

* The average student rating for the three university questions on a five point scale, with 5 being the best and 0 the worst.

Michigan Tech University		September 2013 - December 2017		
Course	Semester	Students	Rating**	
MA5731: Linear Models	Fall 2017	7	5.00	
MA3740: Stat Programming and Analysis	Fall 2017	28	4.45	
MA3710: Engineering Statistics	Summer 2017	30	4.20	
MA5730: Nonparametric Statistics	Spring 2017	20	4.44	
MA5770: Bayesian Statistics	Fall 2016	5	5.00	
MA3740: Stat Programming and Analysis	Fall 2016	28	4.64	
MA3750: Intro to SAS Programming	Spring 2016	10	4.67	
MA3710: Engineering Statistics	Spring 2016	53	4.80	
MA5731: Linear Models	Fall 2015	7	4.14	
MA3740: Stat Programming and Analysis	Fall 2015	19	4.83	
MA3750: Intro to SAS Programming	Spring 2015	7	4.86	
MA3710: Engineering Statistics	Spring 2015	49	4.62	
MA5731: Linear Models	Fall 2014	9	4.56	
MA3740: Stat Programming and Analysis	Fall 2014	12	4.42	
MA3710: Engineering Statistics	Spring 2014	52	4.21	
MA3740: Stat Programming and Analysis	Fall 2013	21	4.47	
MA3710: Engineering Statistics	Fall 2013	21	4.60	

** The average student rating for overall teaching evaluation on a five point scale, with 5 being the best and 0 the worst.

Clemson University January 2010 - May 2013

- MthSc203: Elementary Statistical Inference (Spring 2012, 2013; Fall 2012)
- MthSc309: Introductory Business Statistics (Fall 2011)
- MthSc101: Essential Mathematics for the Informed Society (Fall 2010; Spring 2011)
- MthSc199L: Problem Solving in Mathematics Lab (Spring 2010; Summer II 2011)

Course Development at Michigan Tech University

- MA3750: Introduction to SAS Programming. This is a new lab course that now serves as a requirement for the Undergraduate program in Statistics.
- MA5730: Nonparametric Statistics. This is a new course that now serves as an elective for the PhD program in Statistics.
- MA5770: Bayesian Statistics. This is a new course that now serves as an elective for the PhD program in Statistics.

STUDENT
ADVISING

Doctoral Graduates Advised

- Aojun Li, Ph.D. in Applied Statistics at UTSA, In Progress.
- Shantayan Panda, Ph.D. in Applied Statistics at UTSA, In Progress.
- Prince Buti, Ph.D. in Applied Statistics at UTSA, In Progress.
- Marc Sandoval, Ph.D. in Applied Statistics at UTSA, In Progress.
- Travis G. Kostan, Ph.D. in Applied Statistics at UTSA, May 2023. “Bayesian approaches to parameter estimation of load-sharing and competing risk systems.” First job after Ph.D.: Sr. Statistician at Southwest Research Institute.
- Ranran Chen, Ph.D. in Applied Statistics at UTSA, December 2022. “Bayesian regularized quantile regression using adaptive lasso and its applications.” First job after Ph.D.: Senior data scientist at Affirm.
- Shen Zhang, Ph.D. in Applied Statistics at UTSA, December 2022. “Bayesian procedures to nonparametric hypothesis testing and model selection in high dimensional quantile regression models.” First job after Ph.D.: Principal biostatistician at Stat4ward.
- Zhuanzhuan Ma, Ph.D. in Mathematical Sciences at TTU, August 2022, “Sparse Bayesian variable selection in high dimensional regression models with correlated priors. ” First job after Ph.D.: Tenure-Track Assistant Professor at the University of Texas at Rio Grande Valley.
- Fang Chen, Ph.D. in Mathematical Sciences at TTU, May 2022, “Bayesian hypothesis testing and its applications.” First job after Ph.D.: Mathematical Statistician at FDA Center for Devices and Non-clinical Evaluation Branch.
- Mai Dao, Ph.D. in Mathematical Sciences at TTU, May 2021, “Novel Bayesian approaches for simultaneous parameter estimation and variable selection in quantile regression models.” First job after Ph.D.: Tenure-Track Assistant Professor at Wichita State University.
- Ge (Lilia) Feng, Ph.D. in Mathematical Sciences at MTU, December 2019, “Bayesian hypothesis testing in linear regression models.” First job after Ph.D.: Mathematical Statistician at FDA Center for Devices and Radiological Health.

- Duo Zhang, Ph.D. in Mathematical Sciences at MTU, May 2019, “Bayesian analysis for the intraclass model and for the quantile semiparametric mixed-effects double regression models.” First job after Ph.D.: Risk Analyst at China.

Masters Graduates Advised

- Huy P. Pham, M.S. in Mathematical Sciences at TTU, July 2019.
- Lingjuan Qi, M.S. in Mathematical Sciences at TTU, July 2019.
- Joseph Reath, M.S. in Mathematical Sciences at MTU, May, 2016, “Improved parameter estimation of the log-logistic distribution with applications.”
- Shengnan (Nancy) Li, M.S. in Mathematical Sciences at MTU, May, 2016, “Objective Bayesian analysis of the generalized lognormal distribution.”
- Shuaimin Kang, M.S. in Mathematical Sciences at MTU, May, 2015, “Bayesian variance change-point analysis in linear regression model with scale mixtures of normal distributions.”
- Wentao Wang, M.S. in Mathematical Sciences at MTU, May, 2015, “Bias-corrected maximum likelihood estimation of the parameters of the weighted-Lindley distribution.”

Undergraduate Student Advised

- Andrea Bennett, B.S. in Statistics and Data Science at UTSA, 2022.
- Franco Navas, B.S. in Mathematics at TTU, 2018. (Supported by TTU’s McNair Scholars Program)
- Brendon Schuenke, B.S. in Statistics at MTU, 2017, “Bayes Factor for Testing Correlations: A New Perspective.”

COMMITTEE
MEMBER

Doctoral Graduates

- Ambassador Negash, Ph.D. in Applied Statistics at UTSA, In Progress.
- Crystal Wiedner, Ph.D. in Applied Statistics at UTSA, May 2022.
- Henry Chacon, Ph.D. in Applied Statistics at UTSA, May 2021.
- Kevin Sunderland, Ph.D. in Biomedical Engineering at MTU, December 2020.
- Kevin Phillips, Ph.D. in Biological Sciences at MTU, May 2019.
- Matt Kilgas, Ph.D. in Biological Sciences at MTU, November 2018.
- Wei Kuang, Ph.D. in Computer Science at MTU, December 2017.
- Yu Wang, Ph.D. in Biomedical Engineering at MTU, April 2017
- Shawn O’Neil, Ph.D. in Forest Science at MTU, March 2017.

Masters Graduates

- Ashley Hendricks, M.S. in Civil Engineering at MTU, April, 2018.
- Travis Wakeham, M.S. in Biological Sciences at MTU, April, 2018.
- Wei Wang, M.S. in Medical Informatics at MTU, November, 2016.
- Yuxiao Wang, M.S. in Applied Natural Resource Economics at MTU, November, 2015.
- Yun Liu, M.S. in Mathematical Sciences at MTU, October, 2015.
- Zhitao Qiu, M.S. in Computer Science at MTU, April, 2015.
- Zhe Lu, M.S. in Computer Science at MTU, August, 2014.
- Yan Yu, M.S. in Applied Natural Resource Economics at MTU, July, 2014.

- Fei Li, M.S. in Applied Natural Resource Economics at MTU, July, 2014.
- Shengnan Li, M.S. in Applied Natural Resource Economics at MTU, February, 2014.

COMMITTEE
SERVICE

- Committee Member, The Alvarez Pre-Ph.D. Pathway at the UTSA Carlos Alvarez College of Business, 2023 - present.
- Faculty Advisor, American Statistician Association & Actuarial Science Club at UTSA, 2023 - present.
- MSS Graduate Council Representative, 2022 - present.
- Graduate Advisor of Record, PhD in Applied Statistics, 2022 - present.
- Faculty Mentor, Peer Mentoring Program at UTSA: 2021 - present.
- Wrote and graded qualifying exam in Bayesian Statistics and Advanced Inference at UTSA: 2019 - present.
- Committee Member, Ph.D. in APS Committee at UTSA: 2021 - present.
- Volunteer as a judge for Undergraduate Research & Creative Inquiry Showcase at UTSA: 2020, 2021.
- Recruitment committee member at UTSA: 2019 - 2020; 2021 - 2022; 2022-2023.
- Executive committee at TTU: 2018 - 2019.
- Wrote and graded qualify exam in Linear Models at TTU: May and August, 2018 and 2019.
- Graduate committee member at MTU: 2013 - 2017.
- Recruitment committee member at MTU: 2013 - 2015.
- Wrote and graded qualifying exam in Mathematical Statistics at MTU: January, 2014, 2016; September, 2014.
- Wrote and graded comprehensive exam in Linear Models at MTU: September, 2013; January, 2015.

TENURE/PROMOTION
REVIEW

- Department of Internal Medicine, The University of New Mexico.

PROFESSIONAL
SERVICES

- Associate Editor, International Journal of System Assurance Engineering and Management, 2022 - present.
- Associate Editor, Frontiers in Applied Mathematics and Statistics, 2021 - present.
- Associate Editor, International Journal of Mathematics and Statistics, 2018 - present.

JOURNAL
REFEREEING
≥ 56 JOURNALS

- Applied Mathematics-A Journal of Chinese Universities • Applied Mathematics Letters • Alexandria Engineering Journal • Bayesian Analysis • Behavior Research Methods • BMC Bioinformatics • BMC Medical Research Methodology • Computational Economics • Computational Statistics • Communications in Mathematics and Statistics • Communications in Statistics - Theory and Methods • Construction & Building Materials • Crop Breeding and Applied Biotechnology • Environment International • Frontiers in Psychology • IEEE Transactions on Big Data • IEEE Transactions on Engineering Management • IEEE Transactions on Reliability • IIE Transactions • Industrial Engineering & Management Systems • International Journal of Mathematics & Statistics • International Journal of Production Research • International Journal of Systems Assurance Engineering and Management • Journal of Applied Statistics • Journal of Behavioral Health Services & Research • Journal of Biopharmaceutical

Statistics • Journal of Computational and Applied Mathematics • Journal of Computational Statistics and Graphics • Journal of Healthcare Engineering • Journal of Molecular Graphics and Modelling • Journal of Multivariate Analysis • Journal of Non-parametric Statistics • Journal of Insect Science • Journal of Statistical Computation and Simulation • Journal of Statistical Distributions and Applications • Journal of Testing and Evaluation • Mathematics • Mathematics and Computers in Simulation • Mathematical and Computational Applications • Mathematical Review • Open Journal of Genetics • Pakistan Journal of Statistics and Operation Research • Pediatric Allergy, Immunology, and Pulmonology • Quality Technology & Quantitative Management • Risks • Statistics and Computing • Statistical Science • Stats • Statistica • Statistics: A Journal of Theoretical and Applied Statistics • Statistics & Probability Letters • Statistical Methodology • Statistical Methods & Applications • Symmetry • The American Statistician • WIREs Computational Statistics

COMPUTER SKILLS

Programming: Proficiency in Matlab, R, SAS,
 Applications: SAS Enterprise Guide
 Extensive knowledge and use of L^AT_EX and Microsoft Office

MEMBERSHIPS

- Permanent Member, ICSA (International Chinese Statistical Association), 2015 - present
- Member, ASA (American Statistical Association), 2012 - present.

PROFESSIONAL CERTIFICATIONS

- Certificate of Strategies for Inclusive Teaching Institute by Academic Innovation at UTSA, July 2022.
- Certificate of Designing Your Online Course (DYOC) by Quality Matters (QM), October 2020.
- Certificate of Applying the QM Rubric (APPQMR) by Quality Matters (QM), October 2020.