Wei Ning, Ph.D.

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Education

- **Syracuse University, Syracuse, NY, USA**
  PhD in Statistics Aug 2006
  Advisor: Prof. Hyune-Ju Kim

- **Syracuse University, Syracuse, NY USA**
  MA in Statistics Aug 2002

- **University of Science and Technology of China, Hefei, P.R.China.**
  BS in Mathematics July 1999
  BA in Statistics and Finance July 1999

Research Interests

Change Point Analysis, Sequential Analysis, High-dimensional Data Analysis, Empirical Likelihood, Survival Analysis, Causal Inference, Bayesian Analysis, Machine Learning, Time Series Analysis, Statistical Process Control.

Professional Experiences

- **Professor of Research Excellence** May 2023 - Present
  Department of Mathematics and Statistics
  Bowling Green State University, Bowling Green, OH

- **Professor** May 2018 - Present
  Department of Mathematics and Statistics
  Bowling Green State University, Bowling Green, OH

- **Associate Professor** May 2012 - May 2018
  Department of Mathematics and Statistics
  Bowling Green State University, Bowling Green, OH

- **Assistant Professor** Aug 2006 - May 2012
  Department of Mathematics and Statistics
  Bowling Green State University, Bowling Green, OH

- **Visiting Associate Professor** Aug 2013 - Sept 2014
  Department of Biostatistics
  University of Michigan, Ann Arbor, MI

- **Visiting Associate Professor** Aug 2013 - Sept 2014
  Department of Statistics
  University of Michigan, Ann Arbor, MI

- **Graduate Teaching Assistant** Sept 2000 - May 2006
  Department of Mathematics
  Syracuse University, Syracuse, NY

Research Grants

- Simons Foundation, Mathematics and Physical Sciences-Collaboration Grants for Mathematicians. PI. ***Empirical-Likelihood-Based Sequential Change point Detection Methods for High Dimensional Data.*** $42,000. 9/2020-9/2025.
- 1-year Research Incentive Grant, Bowling Green State University. PI. ***A New Change Point Model Approach for Detection of DNA Copy Number Variations in aCGH Data.*** $10,000. 9/2009-9/2010.
- 1-year Research Incentive Grant, Bowling Green State University. PI. ***Topics of the Generalized Lambda Distribution Family.*** $10,000. 9/2008-9/2009.
- 1-year Research Incentive Grant, Bowling Green State University. PI. ***A New Approach to Study of the Statistical Epistasis between Genes.*** $10,000. 9/2007-9/2008.

Articles in Peer Reviewed Journals

[88] Liu, Q., Tan, Y., Liu, C., **Ning, W.**, Wang, H., Yang, K. and Xiao, Q. (2025). : Flow Patterns Identification of Two-phase Flow via Electrical Capacitance Tomography and Time Series Models. Submitted.

[87] Njuki, J. and **Ning, W.** (2025). A Sequential Nonparametric Test for Detecting Change in the Distribution Based on Energy Statistics. Major revision. *Sequential Analysis.*

[86] Njuki, J. and **Ning, W.** (2025). Energy-statistic Based modified information criterion for detecting change in distribution. Accepted. *Journal of Applied Statistics.*

[85] Wang, J. and **Ning, W.** (2025). Likelihood ratio test change point detection for the Weibull distribution with random censored data. Accepted. *Communications in Statistics - Simulation and Computation.*

[84] Tian, W., Zhao, Y., Tian, C., Li, S. and **Ning, W.** (2025). Empirical likelihood-type methods for confidence intervals of the process capability index C_{pm}. Accepted. *Communications in Statistics - Simulation and Computation.*

[83] Wang, J. and **Ning, W.** (2024). Change-point detection of the Kumaraswamy skew-t distribution based on a modified information criterion. Accepted. *Journal of Applied Statistics.*

[82] Yang, J., Tian, W, Tian, C., Li, S. and **Ning, W.** (2024). Empirical likelihood method for detecting change points in network autoregressive models. *AIMS Mathematics,* 9(9): 24776–24795.

[81] Li, S., Tian, W., Li, X. and **Ning, W.** (2024). Confidence intervals for heterogeneity in meta-analysis of the rare binary events based on empirical likelihood-type methods. *CIS-Simulation and Computation.* In press.

[80] Li, M., **Ning, W.** and Tian, Y. (2024). Change Point Test for Length-biased Lognormal Distribution under Random Right Censoring. *Mathematics.* 12(11), 1760.

[79] Sharghi, S., Stoll, K. and **Ning, W.** (2024). Statistical inferences for missing response problems based on modified empirical likelihood. Statistical Papers. 65, 4079-4120.

[78] Li, S., Tian, W., Li, X. and **Ning, W.** (2024). Confidence intervals for heterogeneity in meta-analysis of the rare binary events based on empirical likelihood-type methods. In press. Communications in Statistics-Simulation and Computation.

[77] Wang, P. and **Ning, W.** (2024). Nonparametric Shiryaev-Roberts Change-point Detection Procedures Based on Modified Empirical Likelihood. *Journal of Applied Statistics.* 51(13), 2558-2591.

[76] Li, M., Ratnasingam, S., Tian, Y.B. and **Ning, W.** (2024). Change point detection in length-biased lognormal distribution. *CIS-Simulation and Computation.* In press.

[75] Wang, J. and **Ning, W.** (2024). Change point detection in length-biased Weibull distribution for random censored data based on modified information criterion. *Journal of Statistical Theory and Practice.* 18(3), 37.

[74] Wang, P. and **Ning, W.** (2024). Nonparametric CUSUM Change-point Detection Procedures Based on Modified Empirical Likelihood. In press. *Computational Statistics.* https://doi.org/10.1007/s00180-024-01598-8.

[73] Ratnasingam, S., Piyadi Gamage, R.D. and **Ning, W.** (2023). Empirical Likelihood Based Nonparametric Methods for One and Two-Sample U-Statistics. Under review. *Pakistan Journal of Statistics.*

[72] Liu, T., Tian, W and **Ning, W.** (2023). Sequential probability ratio test for zero inflation in counting data. *CIS-Simulation and Computation.* 52(4), 1344-1360.

[71] Tian, W., Pang, L., Tian, C. and **Ning, W.** (2023). Change point analysis for Kumaraswamy distribution. *Mathematics.* 11(3), 553.

[70] Li, T., Tian, W. and **Ning, W.** (2024). Jackknife empirical likelihood for the mean of a zero-and-one inflated population. *Communications in Statistics-Theory and Methods.* 53(3), 980-994.

[69] Ratnasingam, S. and **Ning, W.** (2023). Change Point Detection in Linear Failure Rate Distribution Under Random Censorship. *Journal of Statistical Theory and Practice.* 17(1), 1-21.

[68] Wang, P. and **Ning, W.** (2022). Sequential Change Point Detection for Skew Normal Distribution. *Sequential Analysis.* 41(3), 387-415.

[67] Li, T., Tian, W. and **Ning, W.** (2024). Jackknife empirical likelihood for the mean of a zero-and-one inflated population. *Communications in Statistics-Theory and Methods.* 53(3), 980-994.

[66] Li, M., Tian, Y.B. and **Ning, W.** (2023). Modified information criterion for detecting changes in skew slash distribution. *ROSE.* 31(3).

[65] Li, M, Ratnasingam, S. and **Ning, W.** (2022). Empirical-likelihood-Based Confidence Intervals for Quantile Regression Models with Longitudinal Data. *Journal of Statistical and Computation.* 92(12), 2536-2553.

[64] Ratnasingam, S. and **Ning, W.** (2023). Confidence Intervals of Mean Residual Life function in Length-biased Sampling Based on Modified Empirical Likelihood. *Journal of Biopharmaceutical Statistics.* 33(1), 114-129.

[63] Ratnasingam, S., Buzaianu, E and **Ning, W.** (2022). Modified Information Criterion for Testing Changes in Generalized Lambda Distribution Model Based on Confidence Distribution. *Communications for Statistical Applications and Methods.* 29(3), 301-317.

[62] Stewart, P., **Ning, W.** (2023). Empirical-likelihood-based hypothesis tests for the means of two zero-inflated populations. *CIS-Simulation and Computation.* 52(10), 4933-4961.

[61] Ratnasingam, S. †,**Ning, W.** (2021). Monitoring Sequential Structural Changes in Penalized High-Dimensional Linear Models. *Sequential Analysis.* 40(3), 381-404.

[60] Li, X., Tian, W. and **Ning, W.** (2021). Sequential Probability Ratio Test for the Skew Slash Distribution. *International Journal of Intelligent Technologies & Applied Statistics.* 14(1).

[59] Ratnasingam, S. †,**Ning, W.** (2021). Change Point Detection in Three Parameter Weibull Distribution Based on Modified Information Criterion. *Environmental and Ecological Statistics.* 28(2), 303-322.

[58] Ratnasingam, S. † and **Ning, W.** (2021). Sequential Change Point Detection for High-Dimensional Data using Non-convex Penalized Quantile Regression. *Biometrical Journal.* 63(3), 575-598.

[57] Piyadi Gamage, R.D.†, **Ning, W.** (2021). Empirical Likelihood for Change Point Detection in Autoregressive Models. *Journal of the Korean Statistical Society.* 50(1),69-97.

[56] **Ning, W.** and Wu, Y. (2021). Estimation of Common Change Point and Isolation of Changed Panels after Sequential Detection. *Journal of Statistical Theory and Practice.* 15(1).

[55] Stewart, P.†, **Ning, W.** (2020). Confidence Intervals for Data Containing Many Zeros and Ones Based on Empirical-Likelihood-Type Methods. *Journal of Statistical Computation and Simulation.* 90(18), 3376-3399.

[54] Ratnasingam, S. †,**Ning, W.** (2020). The Lomax-Linear Failure Rate Distribution. *Far East Journal of Theoretical Statistics.* 59(1), 35-58.

[53] Wang, T., Tian, W. and **Ning, W.** (2020). Likelihood ratio test change-point detection in the skew slash distribution. In press. *CIS-Simulation and Computation.*

[52] Stewart, P.†, **Ning, W.** (2020). Confidence Intervals for Data Containing Many Zero Observations Based on Empirical-Likelihood-Type Methods. *Computational Statistics.* 35, 2019–2042

[51] Ratnasingam, S. †,**Ning, W.** (2020). Confidence Distributions for Skew Normal Changepoint Model Based on Modified Information Criterion. *Journal of Statistical Theory and Practice.* 14(3), 1-21.

[50] Piyadi Gamage, R.D. and **Ning, W.** (2020). Inference for Short-memory Time Series Models Based on Modified Empirical Likelihood. *Australian & New Zealand Journal of Statistics.* 62(3), 322-339.

[49] Piyadi Gamage, R.D. and **Ning, W.** (2020). Inference for Long-memory Time Series Models Based on Modified Empirical Likelihood. *Austrian Journal of Statistics.* 49(5), 68-79.

[48] Opperman, L. †,**Ning, W.** (2020). Goodness-of-Fit Test for Skew Normality Based on Energy Statistics. *Random Operators and Stochastic Equations.* 28(3), 227-236

[47] Opperman, L. †,**Ning, W.** (2021). Sequential Probability Ratio Test for the Skew Normal Distribution.*CIS-Simulation and Computation.* 50(10), 2823-2836.

[46] Cai, X.†, Tian, Y.B. and **Ning, W.**(2019). Change-point Analysis of the Failure Mechanisms Based on Accelerated Life Tests. *Reliability Engineering & System Safety.* 188, 515-522.

[45] Chen, Y.J. and **Ning, W.** (2019). Modified Information Criterion in Detecting Change Points in Exponential-Logarithmic Distribution. *Communications in Statistics-Simulation and Computation.* 48(7), 1996-2003.

[44] Basalamah, D.†, Said, K.K., **Ning, W.** and Tian, Y.B. (2021). Modified Information Criterion for Linear Regression Change-point Model with Its Applications. *Communications in Statistics–Simulation and Computation.* 50(1), 180-197.

[43] Alghamdi, A.†, **Ning, W.** and Gupta, A.K. (2018) Statistical Inference for the Transformed Rayleigh Lomax Distribution with Progressive Type-II Right Censorship. *Electronic Journal of Applied Statistical Analysis.* 12(1), 209-222.

[42] Alghamdi, A.†, **Ning, W.** and Gupta, A.K. (2018). An Information Approach for the Change Point Problem of the Rayleigh Lomax Distribution. *International Journal of Intelligent Technologies and Applied Statistics.* 11(4), 233-254.

[41] Basalamah, D.†, **Ning, W.** and Gupta, A.K. (2018). The Beta Skew-t Distribution and Its Properties. *Journal of Statistical Theory and Practice.* 12(4), 837-860.

[40] Said, K.K.†, **Ning, W.** and Tian, Y.B. (2017). Modified Information Criterion for Testing Changes in Skew Normal Model. *Brazilian Journal of Probability and Statistics.* 33(2), 280-300.

[39] Said, K.K.†, **Ning, W.** and Tian, Y.B. (2017). Detecting Changes in Linear Regression Model with Skew Normal Errors. *Random Operators and Stochastic Equations.* 26(1), 1-10.

[38] Said, K.K.†, Basalamah, D.†, **Ning, W.** and Gupta, A.K. (2017). The Kumaraswamy Skew-t Distribution and Its Related Properties. *Communications in Statistics–Simulation and Computation.* 47(8), 2409-2423.

[37] Piyadi Gamage, R.D.†, **Ning, W.** and Gupta, A.K. (2017). Adjusted Empirical Likelihood for Long-memory Time Series Models. *Journal of Statistical Theory and Practice.* 11(1), 220-233.

[36] Piyadi Gamage, R.D.†, **Ning, W.** and Gupta, A.K. (2017). Adjusted Empirical Likelihood for Time Series Models. *Sankhya B.* 79(2), 336-360.

[35] Cai, X.†, Tian, Y.B. and **Ning, W.** (2017). Modified Information Approach for Detecting Two Change Points in Piecewise Linear Failure Rate Function. *Statistics & Probability Letters.* 125, 130-140.

[34] Chen, Y.J.† and **Ning, W.** (2017). Tests for Smooth-Abrupt Changes with Applications. *Electronic Journal of Applied Statistical Analysis.* 10(1), 194-205.

[33] Said, K.K.†, **Ning, W.** and Tian, Y.B. (2017). Likelihood Procedure for Testing Changes for Skew Normal Model With Application to Stock Returns. *Communications in Statistics-Simulation and Computation.* 46(9), 6790-6802.

[32] Chen, Y.J.†, **Ning, W.** and Gupta, A.K. (2016). Empirical Likelihood Based Detection Procedure for Change Point in Mean Residual Life Functions Under Random Censorship. *Pharmaceutical Statistics.* 15, 246-254.

[31] Cai, X.†, Said, K.K.† and **Ning, W.** (2016). Change-point Analysis with Bathtub Shape for the Exponential Distribution *Journal of Applied Statistics.* 43(15), 2740-2750.

[30] Chen, Y.J.†, **Ning, W.** and Gupta, A.K. (2017). Jackknife Empirical Likelihood Test for Equality of Two Mean Residual Functions. *Communications in Statistics-Theory and Methods.* 46(7), 3111-3122. Accepted in 2015.

[29] **Ning, W.** (2015). Probabilistic Representations of Matrix Variate Skew Normal Models. *Random Operators and Stochastic Equations.* 23(1), 21-29.

[28] **Ning, W.**, Yeh, A. B., Wu, X.Q. and Wang, B.X. (2015). Distribution-Free Phase I Control Charts for Individual Observations Based on Empirical Likelihood Ratio. *Quality and Reliability Engineering International,* 31(1), 37-55.

[27] Ngunken, G.† and **Ning, W.** (2015). Changepoint Detection Model based on Skew-Normal distributions for aCGH Data. *Journal of Computations & Modelling,* 5(2), 75-87.

[26] Chen, Y.J.†, **Ning, W.** and Gupta, A.K. (2014).Jackknife Empirical Likelihood Methods on Testing for Equality of Variances of Two Samples. *Journal of Applied Statistics,* 42(1), 144-160.

[25] Hasan, A.†, **Ning, W.** and Gupta, A.K. (2014). An Information Based Approach to Detecting the Change Point Under the non-central Skew t Model. *Sequential Analysis,* 33, 458-474.

[24] Ngunken, G.† and **Ning, W.** (2014). Information Approach for the Change Point Detection in the Skew Normal Distribution and Its Applications. *Sequential Analysis,* 33, 475-490.

[23] Wu, X.Q., Zhang, S.G. and **Ning, W.** (2014). Empirical Likelihood Ratio Based Test for Change Point Detection in Linear Regression Model. *Acta Mathematicae Applicatae Sinica (English series).* Accepted.

[22] **Ning, W.** (2014). Empirical Likelihood Ratio Based Goodness-of-Fit Test for Generalized Lambda Distribution. *European Journal of Pure and Applied Mathematics,* **7** (1), 22-36.

[21] Su, S., Hasan, A.† and **Ning, W.** (2013). The RS Generalized lambda based calibration model. *International Journal of Statistics and Probability,* **2**(1), 101-107.

[20] Zhao, H., Chen, H. and **Ning, W.** (2013). Changepoint Analysis by Modified Empirical Likelihood Method in Two-Phrase Linear Regression Models. *Open Journal of Applied Sciences.* **3**(1B), 1-6.

[19] Gupta, A.K., Aziz, M.A. and **Ning, W.** (2013). On Some Properties of the Unified Skew Normal Distribution. *Journal of Statistical Theory and Practice,* 7, 480-495.

[18] **Ning, W.** and Ngunkeng, G. (2013). An Empirical Likelihood Ratio Based Goodness-of-Fit Test for the Skew Normality. *Statistical Methods and Applications,* 22, 209-226.

[17] Zhang, H.H., Jing, H.F., **Ning, W.** and Gupta, A.K. (2013). Edgeworth Expansion of the Moment-based Test for Homogeneity in the Mixture NEF-QVF family. *Communications in Statistics–Simulation and Computation,* **42**(10), 2281-2294.

[16] Li, H.† and **Ning, W.** (2012). Multiple Comparisons with a Control Under Heteroscedasticity. *Journal of Applied Statistics,* **39**(2), 2275-2283.

[15] **Ning, W.** (2012). Empirical bayes method on changepoints estimation of tumor growth profiles in xenograft experiments. *Journal of Applied Statistical Science.* **19**(2), 105-115.

[14] Yan, C.J., Zhang, S.G. and **Ning, W.** (2012). Estimations of the Improper Linear Regression Models with Complex-valued Data. *Journal of The Graduate University of Chinese Academy of Sciences,* **29**(2), 146-153.

[13] **Ning, W.** (2012). The Empirical Likelihood Ratio Test for a Mean Change Point Model with a Linear Trend Followed by an Abrupt Change. *Journal of Applied Statistics.* **39**(5), 947-961.

[12] **Ning, W.** and Gupta, A.K. (2012). Matrix Variate Extended Skew Normal Distributions. *Random Operators and Stochastic Equations.* **20**(4), 299-310.

[11] **Ning, W.**, Pailden, P. and Gupta, A.K. (2011). The Empirical Likelihood Ratio Test for the Epidemic Change Point Model. *Journal of Data Science.* **10**, 107-127.

[10] **Ning, W.**, Gao, Y. C, and Dudewicz, E. J. *Chapter 8: Fitting Mixture Distributions Using A Mixture of Generalized Lambda Distributions with Computer Code.* Book chapter of Handbook of Fitting Statistical Distributions with R (Ed. by Duedewicz, E.J. and Karian, Z.A.). Publishing date: October 1, 2010. Boca Raton, FL: CRC Press.

[9] Zhang, S.G., Liao, Y. and **Ning, W.** (2010). Asymptotic Properties of Quasi-Maximum Likelihood Estimates in Generalized Linear Models. *Communication in Statistics–Theory and Methods.* **40**, 4417-4430.

[8] **Ning, W.** and Zhao, L. (2010). A Moment-based Test for the Mixture Distributions With Small Sample Sizes and Its Application. *Far East Journal of Theoretical Statistics.* **33**(1), 23-39.

[7] **Ning, W.**, Gupta, A. K., (2009) Change Point Analysis For Generalized Lambda Distributions. *Communications in Statistics-Simulation and Computation.* **38**, 1789-1802.

[6] **Ning, W.**, Zhang, S. G. and Yu, C. (2009). A Moment-Based Test for the Homogeneity in Mixture Natural Exponential Family with Quadratic Variance Functions. *Statistics and Probability Letters.* **79**(6), 828-834.

[5] **Ning, W.**, Gupta, A. K., Yu., C. and Zhang, S. G., (2009). A Moment-Based Test for Homogeneity in Finite Mixture Models. *Communication in Statistics–Theory and Methods.* **38**, 1371-1382.

[4] **Ning, W.**, Gao, Y. C, and Dudewicz, E. J., (2008). Fitting Mixture Distributions Using Generalized Lambda Distributions and Comparisons with Normal Mixtures. *American Journal of Mathematical and Management Science.* Vol. 28, NOS. 1&2, 81-99.

[3] **Ning, W.** and Kim, H. J., (2008). Residual Pattern Based Test for Interaction in Two-way ANOVA. *Biometrical Journal*, **50**(3), 431-445.

[2] **Ning, W.**, (2008). Detecting an Unconditionally Identifiable Pattern in Two-way ANOVA. *Advances and Applications in Statistics*. **9**(2), 247-260.

[1] **Ning, W.**, (2007). A Moment-based Test of Genetic Linkage Under Heterogeneity. *JP Journal of Biostatistics*, **1**(3), 267 - 281.

Students Supervised

- Dissertations
  1. **Hong Li,** Ph.D. in statistics, 8/2007-9/2009. BGSU.

     `Dissertation:` *Multiple Comparison Under Unequal Variances And Its Application To Dose Response Studies.*

     `Current position:` Professor, Department of Mathematics, Cameron University, Oklahoma.
  2. **Grace Ngunkeng,** Ph.D. in statistics, 8/2010-8/2013. BGSU.

     `Dissertation:` *Statistical Analysis of the Skew Normal Distribution and Its Applications.*

     `Current Position:` Associate Professor, Department of Mathematics, Kent State University, OH.

     `Past Position:` Assistant Professor, School of Mathematics and Computer Science, Lake Superior State University, MI.
  3. **Abeer Hasan,** Ph.D. in statistics, 8/2010-8/2013. Co-advised. BGSU.

     `Dissertation:` *A Study of Skew t Distribution with Applications.*

     `Current Position:` Associate Professor, Department of Mathematics and Statistics, North Carolina Agricultural and Technical State University, NC.

     `Past Position:` Associate Professor, Department of Mathematics, Humboldt State University, CA.
  4. **Ying-ju Chen,** Ph.D. in statistics, 8/2012-8/2015. Co-advised. BGSU.

     `Dissertation:` *Jackknife Empirical Likelihood and Change Point Problems.*

     `Current Position:` Associate Professor, Department of Mathematics, University of Dayton, OH.

     `Past Position:` Visiting Assistant Professor, Department of Information & Analytics, Farmer School of Business, Miami University, OH.
  5. **Ramadha Dilhani Piyadi Gamage,** Ph.D. in statistics, 8/2014-8/2017. Co-advised. BGSU.

     `Dissertation:` *Empirical Likelihood for Change Point Detection and Estimation in Time Series Models.*

`Current Position:` Associate Professor, Department of Mathematics, Western Washington University, WA.

6. **Doaa A Basalamah,** Ph.D. in statistics, 8/2014-8/2017. Co-advised. BGSU.

   `Dissertation:` *Statistical Inference for a New Class of Skew-t Distribution and Its Related Properties.*

   `Current Position:` Assistant Professor, Mathematical Science Department, Umm Al Qura University, Mecca, Saudi Arabia.

7. **Xia Cai,** Ph.D. in statistics, 8/2014-8/2017. Co-advised. Beijing Institute of Technology, China.

   `Dissertation:` *A Study on Change-point Problem Based on Reliability Characteristic Quantities.*

   `Current Position:` Associate Professor, School of Science, Hebei University of Science and Technology, Shijia Zhuang, China.

8. **Khamis Said,** Ph.D. in statistics, 8/2014-8/2017. Co-advised. Beijing Institute of Technology, China.

   `Dissertation:` *Change Point Analysis in Skew Normal Model with Applications.*

   `Current Position:` Instructor, Department of Mathematics, Karume institute of Science and Technology, Zanzibar, Tanzania.

9. **Amani Alghamdi,** Ph.D. in statistics, 1/2015-5/2018. BGSU. `Dissertation:` *Study of Generalized Lomax Distribution and Change Point Problem.*

   `Current Position:` Assistant Professor, Department of Statistics, Science College, King Abdulaziz University, Saudi Arabia.

10. **Logan Opperman,** Ph.D. in statistics, 8/2017-8/2019. BGSU.

    `Dissertation:` *Sequential Inference and Nonparametric Goodness-of-Fit Tests for Certain Types of Skewed Distributions.*

    `Current Position:` Teaching Assistant Professor, Department of Statistics, North Carolina State University, NC.

11. **Patrick Stewart,** Ph.D. in statistics, 1/2018-5/2020. BGSU.

    `Dissertation:` *Statistical Inferences on Inflated Data Based on Modified Empirical Likelihood.*

    `Current Position:` Assistant Professor, Department of Mathematics, Millersville University, PA.

12. **Suthakaran Ratnasingam,** Ph.D. in statistics, 8/2018-5/2020. BGSU.

    `Dissertation:` *Sequential Change-point Detection in Linear Regression and Linear Quantile Regression Models Under High Dimensionality.* **2020 BGSU Graduate College Distinguished Dissertation.**

    `Current Position:` Assistant Professor, Department of Mathematics, California State University, San Bernardino, CA.

13. **Sima Sharghi,** Ph.D. in statistics, 1/2018-8/2021. BGSU.

    `Dissertation:` *Statistical Inferences for Missing Data/Causal Inference Based on Modified Empirical Likelihood.*

    `Current Position:` Postdoc, Department of Biostatistics and Computational Biology, University of Rochester Medical Center.

14. **Joseph Njuki,** Ph.D. in statistics, 1/2020-5/2022. BGSU.

    `Dissertation:` *Energy-Statistics-Based Nonparametric Methods for Change Point Analysis.*

    `Current Position:` Assistant Professor, Department of Mathematics, Coastal Carolina University, SC.

15. **Peiyao Wang,** Ph.D. in statistics, 8/2020-5/2022. BGSU.

    `Dissertation:` *Sequential Change Point Analysis for skew Normal Distributions and Empirical-Likelihood-Based CUSUM and SR Procedures.*

    `Current Position:` Assistant Professor , Department of Mathematics and Statistics, University of North Florida, FL.

    `Past Position:` Postdoc, Division of Biostatistics, Department of Population Health, New York University Langone Health, NY.

    `Past Position:` Postdoc, Division of Biostatistics, School of Public Health, University of Minnesota, MN.

16. **Bradley Craig,** Ph.D. in statistics, 1/2020-8/2023. BGSU.

    `Dissertation:` *Sequential Inference and Goodness of Fit Testing Using Energy Statistics for the Power Normal and Modified Power Normal Distributions.*

17. **Mei Li,** Ph.D. in statistics, 8/2019-6/2023. Co-advised. Beijing Institute of Technology.

    `Dissertation:` *A study on change-point test for based on several lifetime and degradation models.*

    `Current Position:` Assistant Professor, Department of Mathematics, Kunming University of Science and Technology, China.

18. **Ebun Dosumu,** Ph.D. in statistics, 8/2024-current. BGSU.

19. **Samuel Bediako** Ph.D. in statistics, 8/2024-current. BGSU.

20. **Christopher Kuetsinya** Ph.D. in statistics, 8/2024-current. BGSU.

- Master Thesis
    1. **Tao Jiang,** 8/2013-8/2015.
       Thesis: *Information approach for change point detection of Weibull models with applications*
    2. **Matthew Kovach,** 8/2017-9/2018.
       Thesis: *Causal inference of human resource key performance indicators.*

3. **Richard Copper,** 9/2019-7/2020.

   Thesis: *Change point analysis for lognormal distribution based on Schwarcz information criterion.*

4. **Austin Hadamuscin,** 1/2021-5/2022.

   Thesis: *Information Approach to change point analysis and its application to fiscally standardized cities*

5. **Deep Sagar Karki,** 5/2021-5/2022.

   Thesis: *Modified information criterion for change point detection with its application to linear regression models.*

6. **Ryan Jarrell,** 8/2022-8/2023.

   Thesis: *Change point analysis for the log skew slash distribution.*

7. **Kaleb Wourms,** 1/2025-present.

Teaching Experience

1. Undergraduate Courses
   - **BGSU: Fall 2006 - Fall 2025**

Course Number	Course Title	Terms
MATH 2220	Discrete Mathematics, online course	3
STAT 2110	Elementary Statistical Methods	1
MATH 1150	Introduction to Statistics I	4
MATH 1350	Calculus and Analytic Geometry	1
MATH 2220	Discrete Mathematics	4
MATH 2470	Fundamental Statistics	1
MATH 2470	Fundamental Statistics-remote	1
MATH 3220	Discrete Mathematics	3
MATH 3320	Elementary Linear Algebra	4
MATH 3410	Principles of Probability and Statistics	4
MATH 3430	Computing with Data	1

   - **Syracuse University: Fall 2000 - Spring 2006**(recitations)

Course number	Course Title	Terms
MAT 211-212	Elementary Prob. and Stat. I & II	8
MAT 285	Calculus	6

2. Undergraduate-Graduate Courses
   - **BGSU: Fall 2006 - Fall 2025**

Course Number	Course Title	Terms
MATH 4470/5470	Exploratory Data Analysis, online course	6
MATH 4320/5320	Linear Algebra and Its Applications	1
MATH 4410/5410	Probability and Statistics I	4
MATH 4420/5420	Probability and Statistics II	4
STAT 4410/5410	Applied Nonparametric Statistics	1
STAT 4160/5160	Time Series Analysis	1

3. Graduate Courses (MATH 6820 is a topic statistics course)
   - **BGSU: Fall 2006 - Fall 2024**

Course Number	Course Title	Terms
MSA 5160	Time Series Analysis and Forecast	2
MSA 5470	Exploratory Data Analysis	2
MSA 6450	Advanced Data Analysis (online)	1
MATH 5470	Exploratory Data Analysis	2
MATH 6410	Probability Theory I	5
MATH 6420	Probability Theory II	5
MATH 6410	Probability Theory I-remote	1
MATH 6420	Probability Theory II-remote	1
MATH 6450	Advanced Data Analysis	2
MATH 6460	Nonparametric Statistical Inference	5
MATH 6480	Bayesian Decision Theory	2
MATH 6500	Statistical Consulting	1
MATH 6720	Biostatistical Methods	2
MATH 6820	Empirical Likelihood Analysis	1
MATH 6820	Changepoint Analysis and Its Applications	1
MATH 6820	Causal Inference	3
MATH 7400	Multidimensional Analysis	1
MATH 7450	Advanced Mathematical Statistics I	2
MATH 7460	Advanced Mathematical Statistics II	2

Curriculum Development

- Graduate Topic Courses, BGSU.
  - ◇ MATH 6820 Topics in Statistics-Introduction to causal inference (Summer 2024; 10 students)
  - ◇ MATH 6820 Topics in Statistics-Causal inference and applications (Summer 2023; 11 students)
  - ◇ MATH 6820 Topics in Statistics-Causal inference (Spring 2022; 9 students)
  - ◇ MATH 6820 Topics in Statistics-Sequential analysis (Summer 2017; 9 students)
  - ◇ MATH 6820 Topics in Statistics-Casual inference (Fall 2016; 29 students)
  - ◇ MATH 6820 Topics in Statistics-Changepoint analysis and its applications (Summer 2014; 8 students)
  - ◇ MATH 6820 Topics in Statistics-Empirical likelihood analysis (Summer 2010; 18 students)
  - ◇ MATH 6500 Topics in Statistics–Statistical Consulting (Summer 2009; 12 students)
- Reading Courses, BGSU.
  - ◇ MATH 6700 Advanced Readings in Statistics-Sequential Changepoint Analysis (Spring 2024)
  - ◇ MATH 6700 Advanced Readings in Statistics-Empirical Likelihood (Spring 2018)
  - ◇ MATH 6700 Advanced Readings in Statistics-Casual Inference and Its Applications (Spring 2018)
  - ◇ MATH 6700 Advanced Readings in Statistics-Sequential change-point analysis (Fall 2015 & 2016; Spring 2016)
  - ◇ MATH 6700 Advanced Readings in Statistics-Nonparametric methods for change-point analysis (Fall 2015)

- ◇ MATH 6700 Advanced Readings in Statistics-Asymptotic minimax theory and sequential change-point analysis (Fall 2015)
- ◇ MATH 6700 Advanced Readings in Statistics-Change-point analysis for incomplete data (Fall 2015)
- ◇ MATH 6700 Advanced Readings in Statistics-Skew normal distribution and its related family (Fall 2014)
- ◇ MATH 6700 Advanced Readings in Statistics-Sequential Analysis (Fall 2014)
- ◇ MATH 6700 Advanced Readings in Statistics-Meta analysis in medical research II (Summer 2012)
- ◇ MATH 6700 Advanced Readings in Statistics-Meta analysis in medical research I (Spring 2012)
- ◇ MATH 6700 Advanced Readings in Statistics-Empirical likelihood method in time series analysis (Fall 2011)
- ◇ MATH 6700 Advanced Readings in Statistics-Generalized lambda distribution and data fitting (Summer 2011)
- ◇ MATH 6700 Advanced Readings in Statistics-Empirical likelihood method of Change point analysis (Spring 2011)
- ◇ MATH 6700 Advanced Readings in Statistics-Change point analysis (Spring 2009)
- ◇ MATH 6700 Advanced Readings in Statistics-Statistics in genetics (Fall 2008)

Invited talks

1. Confidence Distributions for Skew Normal Change Point Model Based on Modified Information Criterion. *Faculty of Science, Kunming University of Science and Technology, Kunming, Yunnan, China.* July 15, 2025.
2. Sequential change-point detection for skew normal distribution. *18th International Joint Conference CFE-CMStatistics, London, UK.* December 14-16, 2024.
3. Confidence Distributions for Skew Normal Change-Point Model Based on Modified Information Criterion. *Department of Mathematical Sciences, New Mexico State University, NM.* November 22, 2024.
4. Nonparametric Shiryaev-Roberts change-point detection procedures based on modified empirical likelihood. *Department of Mathematics and Statistics, Oakland University, MI.* November 5, 2024.
5. Nonparametric Shiryaev-Roberts Change-point Detection. *The 8th International Workshop in Sequential Methodologies, Utah Valley University, Utah.* May 21-24, 2024.
6. Confidence Distributions for Skew Normal Change Point Model Based on Modified Information Criterion. *Journal of Statistical Theory and Practice webinars seminar,* August 24, 2023.
7. Confidence intervals of mean residual life function in length-biased sampling based on modified empirical likelihood. *School of Mathematics and Statistics, Beijing Institute of Technology,* July 26, 2023. (virtually)
8. Confidence intervals of mean residual life function in length-biased sampling based on modified empirical likelihood. *Department of Applied Mathematics, School of Science, Xi'an University of Technology,* July 11, 2023. (virtually)

9. Monitoring sequential structural changes in penalized high-dimensional linear models. *International Chinese Statistical Association China Conference, Chengdu, China,* June 29-July 4, 2023.
10. Monitoring sequential structural changes in penalized high-dimensional linear models. *Department of Mathematics, College of Big Data and Internet, Shenzhen Technology University,* June 15, 2023. (virtually)
11. Confidence intervals of mean residual life function in length-biased sampling based on modified empirical likelihood. *Department of Mathematics, School of Science, Hebei University of Science and Technology,* May 10, 2023. (virtually)
12. Monitoring Sequential Structural Changes in Penalized High-Dimensional Linear Models. *International Conference on Advances in Interdisciplinary Statistics and Combinatorics, Greensboro, NC.* October 7-9, 2022.
13. Confidence Intervals of Mean Residual Life Function in Length-Biased Sampling Based on Modified Empirical Likelihood. *5th International Conference on Econometrics and Statistics, Ryukoku University, Kyoto, Japan.* June 4-6, 2022. (Virtually)
14. Monitoring sequential structural changes in penalized high-dimensional linear models. *Department of Statistics, University of Akron.* October 6, 2021.
15. Matrix variate extended skew normal distributions. *Spring Research Conference, Oakland University, MI.* May 20-22, 2020.
16. *School of Mathematics and Statistics, Beijing Institute of Technology University, Beijing, China.*
    (a) Empirical Likelihood for Change Point Detection in Autoregressive Models.. June 25, 2019.
    (b) Sequential Change Point Detection Procedure for High-Dimensional Data via SCAD Penalty. July 2, 2019.
17. Empirical Likelihood for Change Point Detection in Autoregressive Models. *ICSA 2019 Applied Statistics Symposium, Rayleigh, NC.* June 9-12, 2019.
18. Empirical Likelihood Based Detection Procedure for Change Point in Mean Residual Life Functions under random censorship. *Department of Biostatistics and Epidemiology, University of Pennsylvania, Philadelphia.* October 6, 2015.
19. Empirical Likelihood Based Detection Procedure for Change Point in Mean Residual Life Functions under random censorship. *Fifth International Workshop in Sequential Methodologies, Columbia University, NYC.* June 22-24, 2015.
20. Changepoint Analysis Workshop (including six serial lectures). *Invited. School of Mathematics and Statistics, Beijing Institute of Technology University, Beijing, China.* May 5-May 16, 2014.
21. Information Approach for the Change Point Detection in the Skew Normal Distribution and Its Applications. *Fourth International Workshop in Sequential Methodologies, University of Georgia, Athens, Georgia.* July 18-21, 2013.
22. Empirical likelihood ratio test for the mean change-points with linear trend followed by abrupt change. *IMS-China International Conference on Statistics and Probability. Chengdu, P. R. China.* June 30-July 4, 2013.
23. A New Approach of Non-central Skew t Distribution and Its Applications. *Department of Statistics, Nankai University, Tianjing, China.* June 21, 2013.
24. *School of Mathematics and Statistics, Beijing Institute of Technology University, Beijing, China.*

(a) Empirical Likelihood Ratio Test for the Mean Change-Points with Linear Trend Followed by Abrupt Change. June 18, 2013.

(b) Information Approach for the Change Point Detection in the Skew Normal Distribution and Its Applications. June 19, 2013.

25. Empirical Likelihood Method for the Mean Change Point Model. *Invited colloquium talk, Department of Mathematics and Statistics, Oakland University, Rochester, MI.* November, 2012.
26. An Empirical Likelihood Ratio Based Goodness-of-Fit Test for Skew Normality. *Invited colloquium talk, Department of Mathematical Sciences, Indiana University-Purdue University at Indianapolis.* November, 2011.
27. The Empirical Likelihood Ratio Test for the Mean Change Points with the Linear Trend Followed by Abrupt Change. *Third International Workshop in Sequential Methodologies, Stanford, CA. June 14-16, 2011.*
28. A Moment-based Test for the Mixture Distributions With Small Sample Sizes and Its Application. *The Fourth International Conference on Neural, Parallel & Scientific Computations, Atlanta, GA. August 11-14, 2010.*
29. *Graduate University of Chinese Academy of Science, Beijing, China.*

(a) A Generalized Lambda Distribution (GLD) Change Point Model For the Detection of DNA Copy Number Variations in Array CGH Data. June 23, 2009.

(b) A Moment-based Test for the Homogeneity in Mixture Natural Exponential Family with Quadratic Variance Functions. June 24, 2009.

30. The Change point Problems of The Generalized Lambda Distributions. *Department of Mathematics, University of Mississippi, February, 2008.*

Professional development

[21] Serve the guest editor of *Mathematics* for the topic collection of **Reliability Analysis and Statistical Computing**, 2024.

[20] Serve the guest editor of *Mathematics* for the topic collection of **Probability Distributions and Their Applications**, 2024.

[19] Serve the guest editor of *Journal of Statistical Theory and Practice* for the topic collection of **Skew Normal Distribution and Related Topics**, 2024.

[18] Wrote a recommendation letter for Dr. Jun Hu for the promotion to associate professor, Department of Mathematics and Statistics, Oakland Univeristy, 2024.

[17] Wrote a recommendation letter for Dr. Wei Zheng for the promotion to associate professor, Department of Mathematics and Statistics, Texas A& M University-Corpus Christi, 2024.

[16] Wrote a recommendation letter for Dr. Yongli Sang for the promotion to associate professor, Department of Mathematics, University of Louisana, 2023.

[15] Wrote a recommendation letter for Dr. Chaeryon Kang for the promotion & tenure to associate professor, Department of Biostatistics, University of Pittsburgh, 2023.

[14] Served as a session chair in the 2023 International Chinese Statistical Association conference, Chengdu, China, June 29-July 4, 2023.

[13] Served as an NSF-AMPS panel reviewer. May 3-5, 2023.

[12] Wrote a recommendation letter for Dr. Lan Gao for the promotion to full professor, Department of Mathematics, The University of Tennessee at Chattanooga, 2023.

[11] Wrote a recommendation letter for Dr. Ngoc Nguyen for the promotion to full professor, Department of Mathematics, Western Kentucky University, 2022.

[10] Wrote a recommendation letter for Dr. Yonggang Lu for the promotion to associate professor, Business school, University of Maine, 2022.

[9] Wrote a recommendation letter for Dr. Xuwen Zhu for the promotion to associate professor, Department of Information Systems, Statistics, and Management Science, the Culverhouse College of Business, The University of Alabama, 2021.

[8] Wrote a recommendation letter for Dr. Nao Mimoto for the promotion to associate professor, Department of Statistics, The University of Akron, 2017.

[7] Wrote a recommendation letter for Dr. Ngoc Nguyen for the promotion to associate professor, Department of Mathematics, Western Kentucky University, 2015.

[6] Wrote a recommendation letter for Dr. Yonggang Lu for the promotion to associate professor, College of Business and Public Policy, University of Alaska Anchorage, 2013.

[5] NSF proposal reviewer. "Development of Nonparametric Univariate and Multivariate CUSUM Control Charts using Sequential Normal Scores for Detecting Structural Changes in Economic Series". November, 2019.

[4] Served as a group member for Bowling Green State University, Ohio Council of Teachers of Mathematics (OCTM) Mathematics Tournament. February 2014-2016.

[3] Served as the site director for Bowling Green State University, Ohio Council of Teachers of Mathematics (OCTM) Mathematics Tournament. February 2011-2014.

[2] Serve as the chair of the nonparametric session in the Joint Statistical Meetings. Miami beach, FL, July 30-August 4, 2011.

[1] Serve as a session chair in the 8th Annual Hawaii International conference on Statistics, Mathematics, and Related fields. Honolulu, Hawaii. January, 2009.

Reviewer for the Journals

- Serve as a referee of journals
  - *Vaccines*
  - *npj Vaccines*
  - *Entropy*
  - *Journal of Big Data*
  - *Statistical Papers*
  - *Annals of the Institute of Statistical Mathematics*
  - *Journal of Applied Statistics*
  - *Journal of Adolescent Health*
  - *Mathematics - MDPI*
  - *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*
  - *Test*
  - *Symmetry*
  - *PLOS ONE*
  - *Biometrics*
  - *Statistics*
  - *Environmetrics*
  - *Science China Mathematics*
  - *The Computer Journal*
  - *Journal of Statistical Computation and Simulation*

  - ∗ *American Journal of Mathematical and Management Science*
  - ∗ *Electronic Journal of Statistics*
  - ∗ *Communications in Statistics-Theory and Methods*
  - ∗ *Communications in Statistics-Simulation and Computation*
  - ∗ *Statistics and Its Interface*
  - ∗ *Journal of Applied Probability and Statistics*
  - ∗ *Applied Mathematics and Computation*
  - ∗ *Journal of Statistical Theory and Practice*
  - ∗ *IET Radar, Sonar & Navigation*
  - ∗ *The American Statistician*
  - ∗ *Journal of Nonparametric Statistics*
  - ∗ *International Journal of Probability and Statistics*
  - ∗ *International Journal of Biostatistics*
  - ∗ *Statistics Research Letters*
  - ∗ *Sequential Analysis*
  - ∗ *Statistics in Medicine*
  - ∗ *Statistical Methodology*
  - ∗ *Statistics & Probability Letters*
  - ∗ *Sankhya B*
  - ∗ *Random Operators and Stochastic Equations*
  - ∗ *Quality Technology & Quantitative Management*
  - ∗ *Annals of the Brazilian Academy of Sciences*
  - ∗ *Advances and Applications in Statistics*
  - ∗ *Computational Statistics and Data Analysis*
  - ∗ *Bulletin of the Malaysian Mathematical Sciences Society*
  - ∗ *Scientific Reports*
  - ∗ *The Computer Journal*
  - ∗ *Journal of Mathematical Research with Applications*
  - ∗ *Research in Mathematics*
- Serve as a reviewer for the books (manuscripts and proposals)
  - ◇ Book proposal review. *Empirical Likelihood Method in Survival Analysis, 2nd edition* by Mai Zhou, University of Kentucky. Chapman & Hall/CRC Press: Boca Raton, FL. 2024.
  - ◇ Book chapter review. *The Joy of Statistics: Learning Statistics with Real World Data.* by Chris P. Tosokos & Rebecca D. Wooten, University of South Florida, Tampa, FL. 2010.
  - ◇ Book chapters review. *Applied Probability and Statistics* by Arnold Barnett, Massachusetts Institute of Technology, Boston, MA. John Wiley & Sons. 2011.
  - ◇ Book review. *Probability with Statistical Applications, 2nd Edition* by Rinaldo B. Schinazi, University of Colorado, Colorado Springs, CO. Birkhäuser: Boston. 2011.
  - ◇ Book proposal review. *Empirical Likelihood Method in Survival Analysis* by Mai Zhou, University of Kentucky. Chapman & Hall/CRC Press: Boca Raton, FL. 2011.
  - ◇ Book chapter review (four chapters). *Empirical Likelihood Method in Survival Analysis* by Mai Zhou, University of Kentucky. Chapman & Hall/CRC Press: Boca Raton, FL. 2014.
- Editorships of Journals
  - ◇ Associate Editor. Journal of Statistical Theory and Practice, 2024-present.
  - ◇ Associate Editor. Sequential Analysis, 2024-present.

- ◇ Member of Editorial board. JP Journal of Biostatistics, June 2010-present.
- ◇ Member of Editorial board. Advances and Applications in Statistics. 2013-present.
- ◇ Member of Editorial board. Far East Journal of Probability Theory and Statistics. 2015-present.

- Reviewer of *Mathematical Reviews*, 2013-2018.

Services

A. Department

- ◇ Writing and Grading Master's Comprehensive Exams
  - MATH 6410 & 6420: June 2007, 2008, 2009, 2010, 2011, 2012 2014, 2015, 2017, 2018, 2019, 2020 and September 2012 and 2015.
  - MATH 6460: March 2016; June 2017, 2018; June 2024.
  - MATH 6710: June 2025.
- ◇ Writing and Grading PhD Preliminary Exams
  - MATH 7450 & 7460: August 2007, 2008, 2009, 2010, 2016, 2017, 2018, 2020, 2024 and 2025.
  - MATH 7480: August 2017.
- ◇ Advising of graduate students.
  - 2007 (14), 2008 (13), 2009 (13), 2010 (15), 2011 (31), 2012(26), 2014(17), 2015(10),2016(15), 2017(15), 2018(14), 2019 (32), 2020-present (31).
- ◇ Promotion and Tenure Committee, Spring 2024-present.
- ◇ Statistics Committee, Fall 2006-present.
- ◇ Graduate Advisor in Statistics, 2007-2012; Fall 2018; Fall 2019-present.
- ◇ Statistics Program Committee, Fall 2007-Spring 2013; Spring 2017; Fall 2018; Fall 2019-present.
- ◇ Merit Committee, Fall 2011-Spring 2012; Fall 2016-Spring 2017; Fall 2018; Fall 2024-present.
- ◇ Statistics Program Committee, Fall 2007-Spring 2013; Spring 2017; Fall 2018; Fall 2019-present.
- ◇ Graduate Committee, Fall 2018; Fall 2024-present.
- ◇ Graduate Recruiting/Admission Team, Fall 2007-Spring 2011; 2023-present.
- ◇ Undergraduate Committee, Fall 2011-Spring 2013; Fall 2014-Spring 2015; Fall 2016.
- ◇ Undergraduate Coordinator, Fall 2012-Spring 2013; Spring 2017.
- ◇ Advisory committee. Spring 2024.
- ◇ Graduate Exam Coordinator. 2020-2022.
- ◇ Department Colloquium Committee , Fall 2009-Spring 2010, Fall 2011-Spring 2012, Fall 2015 (chair)-Spring 2016 (chair); Fall 2016 (chair)-Spring 2017; Fall 2018 (chair).
- ◇ 3320 Coordinator, Spring 2018-Spring 2022..

- ◇ 2470/3410/4410/4420 Coordinator, Fall 2016-Spring 2022.
- ◇ Family Campaign Representative, Fall 2009-Spring 2010.
- ◇ Library Committee. Fall 2015-Spring 2016 (chair).
- ◇ Education Adviser, Fall 2007-Spring 2011.
- ◇ Putnam Team, Fall 2008-Spring 2010.
- ◇ Tenure-Track Faculty Teaching Evaluations
  - Peng Wang (2013)
  - Xiangdong Xie (2012)
- ◇ Instructors Teaching Evaluations
  - Xiaofeng Zhang (2018)
  - Irina Franke (2015)
  - Anna Kasikova (2013)
  - Daria Filippova (2013, 2017)
  - Ann Darke (2012)
  - Cheryl Grant (2012)
  - A.J. Wilhelm (2012)
  - Michelle Heckman (2011)
  - Sandra Zirkes; Diane Mott (2008)

B. College

- ◇ A& S Curriculum, Teaching, & Learning Committee (CTLC), Spring 2016.

C. University

- ◇ Judge of Shanklin Colloquium and Awards, April 2018.
- ◇ STEMS Day 2017 Talk: *Mathematics & Statistics: "A Math major: Jobs and Opportunities,* November 9, 2017.
- ◇ Attended calculus group meeting on retention (calculus in life sciences) by Dr. Theresa Farnum, April 20, 2017.
- ◇ Attended faculty annual review workshop. March 21, 2017.
- ◇ Judge of the Graduate Student Senate Research Assistant Award. Spring, 2017.
- ◇ Represented Department of Mathematics and Statistics at 2017 BGSU Presidents' Day, February 20, 2017.
- ◇ Attended Undergraduate Council meeting for the first reading of the proposal of new course MATH099 as Department Undergraduate Coordinator, February 15, 2017.
- ◇ Attended Undergraduate Council meeting for the second reading of the proposal of Data Science Minor as Department Undergraduate Coordinator, February 1, 2017.
- ◇ Attended calculus group meeting on retention (calculus in life sciences) by Dr. Theresa Farnum, January 25, 2017.
- ◇ Represented Department of Mathematics and Statistics at BGSU Preview Day.
  - December 3, 2016; December 5, 2015.

- December 6, 2014; April 26, 2014.
- April 20, 2013; December 1, 2012.

◇ STEMS Day 2012 Talk: *Mathematician, Statistician, and Actuarial Scientist: The three top-rated jobs in America,* November 30, 2012.

◇ Graduate Council, Spring 2010; Fall 2011-Spring 2011.

◇ Member of Equal Opportunity Compliance Committee Fall 2009-Spring 2010.

◇ Attended the University Library Meeting, 09/18/08.

◇ Attended the 6th and 7th Educator Preparation Summits, 2007 & 2008.

Technical Skills

– Operating Platforms: Windows.
– Statistical Software

Beginner: Python, SAS

Advanced: R, Minitab, SPSS

– Application: LaTeX, GitHub.