

Curriculum Vitae

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Past Experience: Professor, Department of Statistics,
Tamkang University, Taiwan (1996/06-2005/07);
Associate Professor, Department of Statistics,
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National Central University, Taiwan (1992/06);
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Research Interests: Statistics; Reliability analysis; Inventory model; Fuzzy theory;
Quality Control; Probability Theory; Generalized linear
model.

Publications:

1. Cheng, K. F. and Wu, J. W., 1992, Estimation of exponential regression parameters using binary data, *Communication in Statistics Theory and Methods*, 21, 2203-2214. (SCI)
2. Cheng, K. F. and Wu, J. W., 1994, Testing goodness of fit for a parametric family of link functions, *Jouranal of the American Statistical association*, 89, 657-664. (SCI)
3. Cheng, K. F. and Wu, J. W., 1994, Adjusted least squares estimates for the scaled regression coefficients with censored data, *Journal of the American Statistical Association*, 89, 1483-1491. (SCI)
4. Jang, J. B., Wu, J. W. and Tsai, T. R., 1995, A comparison between logistic regression model and discriminant model in financial rating of Taiwan's Stock companies, *Journal of Management Sciences*, 12, 93-112. (Chinese)
5. Wu, J. W., Jang, J. B. and Tsai, T. R., 1996, Fuzzy weighted scaled coefficients in semi-parametric model, *Ann. Inst. Statist. Math.*, 48, 97-110. (SCI) (NSC 85-2121-M-032-003)
6. Wu, J. W. and Ouyang, L. J., 1996, On characterizing distributions by conditional expectations of the functions of order statistics, *Metrika*, 43, 135-147. (SCI)
7. Wu, J. W., 1996, The quasi-likelihood estimation in regression. *Ann. Inst. Statist. Math.*, 48, 283-294. (SCI) (NSC 82-0208-M-032-023T)
8. Ouyang, L. J. and Wu, J. W., 1996, Characterizations of the power and pareto distributions, *The International Journal of Information and Management Sciences*, 7, No.2, 11-21. (EI)
9. Wu, J. W. and Tsai, T. R., 1997, Inference in semi-parametric model based on optimal fuzzy clustering method, *The International Journal of Information and Management Sciences*, 8, No.1, 51-62. (EI) (NSC 86-2115-M-032-014)
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11. Cheng, K. F. and Wu, J. W., 1998, An optimal test for the mean function hypothesis, *Statistica Sinica*, 8, 477-487. (SCI)
12. Wu, J. W. and Ouyang, L. J., 1998, An Identity for the Conditional Expectations of Functions of Adjacent Order Statistics, *Journal of Interdisciplinary Mathematics*, 1, No. 2-3, 149-159. (EI)
13. Wu, J. W. and Ouyang, L. J., 1998, Two characteristic properties of the exponential distribution based on order statistics, *Journal of Interdisciplinary Mathematics*, 1, No.1, 93-100. (EI)
14. Wu, J. W. and Lee, W. C., 1998, Characterization of Generalized Mixtures of

- Exponential Distribution based on Conditional Expectation of Order Statistics, *Journal of The Japan Statistical Society*, 28, No.1, 39-44. **(MathSCI)**
15. **Wu, J. W.** and Lee, W. C., 1998, Characterization of Discrete Mixtures of Exponential Distribution based on Conditional Expectation of Order Statistics, *Journal of Information and Optimization Sciences*, 19, 433-443. **(EI)**
 16. **Wu, J. W.** and Ouyang, L. J., 1999, An identity for the expectations of joint functions of nonadjacent order statistics, *Metron*, 57, 105-116. **(MathSCI)**
 17. **Wu, J. W.** and Lee, W. C., 1999, On characterizations of generalized mixtures of geometric and exponential distributions by conditional expectation of record values, *Journal of the Japan Statistical Society*, 29, 99-104. **(MathSCI)**
 18. **Wu, J. W.** and Lee, W. C., 1999, Characterization of the Mixtures of Gompertz Distributions by Conditional Expectation of Order Statistics, *Biometrical Journal*, 41, 371-381. **(SCI)**
 19. **Wu, J. W.**, 1999, Parameter Estimation For The Brittle Fracture Distribution, *Far East Journal of Theoretical Statistics*, 3, 89-102. **(MathSCI)** (NSC 87-2118-M-032-008)
 20. **Wu, J. W.**, Yu, R. and Hung, W. L., 1999, A characterization of certain discrete exponential families based on conditional expectation, *Far East Journal of Mathematical Sciences*, 1, 837-847. **(MathSCI)** (NSC 87-2118-M-032-008)
 21. **Wu, J. W.**, Lin, C., Tan, B. and Lee, W. C., 1999, An EOQ inventory model with ramp type demand rate for items with Weibull deterioration, *International Journal of Information and Management Sciences*, 10, 41-51. **(EI)**
 22. Hung, W. L. and **Wu, J. W.**, 1999, Some properties of the extended generalized logistic-gamma distribution with applications, *International Journal of Information and Management Sciences*, 10, 41-58. **(EI)**
 23. **Wu, J. W.**, Hung, W. L. and Lee, H. M., 2000, Some moments and limit behaviors of the generalized logistics distribution with applications, *Proceedings of the National Science Council, Part A*, 24, 7-14. **(EI)** (NSC 87-2118-M-032-009)
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 25. **Wu, J. W.** and Yu, R., 2000, The optimal estimator of the common variance of the different populations with known Kurtosis, *Journal of Information and Optimization Sciences*, 21, 211-220. **(EI)**
 26. **Wu, J. W.** and Tsai, W. L., 2000, Failure Censored Sampling Plan for the Weibull Distribution, *International Journal of Information and Management Sciences*, 11, 13-25. **(EI)**

27. **Wu, J. W.**, 2000, Characterization of the finite mixtures of exponential distribution by conditional moments of nonadjacent record values, *Journal of the Japan Statistical Society*, 30, 105-113. **(MathSCI)**
28. **Wu, J. W.**, Lin, C., Tan, B. and Lee, W. C., 2000, An EOQ Inventory Model with Time Varying Demand and Weibull Deterioration with Shortages, *International Journal of Systems Science*, 31, 677-683. **(SCI)**
29. **Wu, J. W.** and Lin, S. H., 2000, Estimation of the parameters of the extreme-value distribution under the first failure-censored sampling plan, *Tamsui Oxford Journal of Mathematical Sciences*, 16, 213-228. **(MathSCI)**
30. **Wu, J. W.** and Tsai, H. Y., 2001, Mixture Inventory Model with Backorders and Lost Sales for Variable Lead Time Demand with the Mixtures of Normal Distribution, *International Journal of Systems Science*, 32, 259-268. **(SCI)**
31. **Wu, J. W.**, 2001, Characterizations of generalized mixtures of geometric and exponential distributions based on upper record values, *Statistical Papers*, 42, 123-133. **(SCI)**
32. **Wu, J. W.** and Lee, W. C., 2001, The quasi-score statistic in quasi-likelihood model, *Statistics*, 35, 523-535. **(SCI)** (NSC 83-0208-M-032-019)
33. Pakes, A. G., Hung, W. L. and **Wu, J. W.**, 2001, CRITERIA FOR THE UNIQUE DETERMINATION OF PROBABILITY DISTRIBUTIONS BY MOMENTS, *The Australian and New Zealand Journal of Statistics*, 43, 101-111. **(SCI)**
34. **Wu, J. W.**, 2001, A note on characterizations of finite mixture of geometric distributions by conditional expectation of order statistics, *Journal of Applied Statistical Science*, 10, 167-180. **(MathSCI)**
35. **Wu, J. W.** and Lin, S. H., 2001, Interval Estimation of the Weibull Distribution under the Failure-Censored Sampling Plan, *International Journal of Information and Management Sciences*, 12, 39-50. **(EI)** (NSC 89-2118-M-032-002)
36. **Wu, J. W.** and Lee, W. C., 2001, On the characterization of generalized extreme value, power function, generalized Pareto and classical Pareto distributions by conditional expectation of record values, *Statistical Papers*, 42, 225-242. **(SCI)**
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38. Hung, W. L. and **Wu, J. W.**, 2001, A note on the correlation of fuzzy numbers by expected interval, *International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems*, 9, 517-523. **(SCI)**
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47. **Wu, J. W.**, Lee, W. C. and Tsai, H. Y., 2002, A note on minimax mixture of distributions free procedure for inventory model with variable lead time, *Quality & Quantity*, 36, 311-323. (SCI)
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-M-032-002)

53. **Wu, J. W.**, Hung, W. L. and Tsai, C. H., 2003, Estimation of the Parameters of the Gompertz Distribution under the First Failure-Censored Sampling Plan, *Statistics*, 37, 517-525. **(SCI)**
54. **Wu, J. W.**, Lee, W. C. and Tsai, H. Y., 2003, A Note on Defective Units in Inventory Model with sub-lot sampling inspection for Variable Lead Time Demand with the Mixtures of Distribution, *International Transactions in Operational Research*, 10, 341-359. **(MathSCI)**
55. **Wu, J. W.**, Lu, H. L., Chen, C. H. and Yang, C. H., 2004, A note on the prediction intervals for a future ordered observation from a Pareto distribution, *Quality and Quantity*, 38, 217-233. **(SCI)**
56. Lee, W. C., **Wu, J. W.** and Hou, W. B., 2004, A note on inventory model involving variable lead time with defective units for mixtures of distribution, *International Journal of Production Economics*, 89, 31-44. **(SCI)**
57. Lee, W. C., **Wu, J. W.** and Hou, W. B., 2004, Inventory Model with a Service Level Constraint for Variable Lead Time Demand with the mixtures of distribution, *Journal of Interdisciplinary Mathematics*, 7, 125-151. **(EI)**
58. **Wu, J. W.**, Hung, W. L. and Chen, C. Y., 2004, Approximate MLE of the truncated Rayleigh distribution under the first failure-censored data, *Journal of Information & Optimization Sciences*, 25, 221-235. **(EI)**
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61. Lu, H. L., Chen, C. H. and **Wu, J. W.**, 2004, A note on weighted least-squares estimation of the shape parameter of the Weibull distribution, *Quality & Reliability Engineering International*, 20, 579-586. **(SCI)**
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63. **Wu, J. W.**, 2004, On Characterizing Distributions By Conditional Expectations of Functions of Non-adjacent Record Values, *Journal of Applied Statistical Science*, 13, 137-145. **(MathSCI)**
64. **Wu, J. W.** and Li, P. L., 2004, Optimal Estimation of the Parameters of the Gompertz Distribution Based on the Doubly Type II Censored Sample, *Quality and Quantity*, 38, 753-769. **(SCI)**

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66. Wu, J. W. and Yu, H. Y., 2005, Statistical inference about the shape parameter of the Burr type XII distribution under the failure-censored sampling plan, *Applied Mathematics and Computation*, 163, 443-482. (SCI)
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71. Wu, J. W., Lee, W. C. and Yang, C. C., 2006, Computational comparison for ML estimator of quadratic functions of the Bernoulli parameter in IS and FSS methods, *Applied Mathematics and Computation*, 176, 317-323. (SCI)
72. Wu, J. W., Lee, W. C. and Chen, S. C., 2006, Computational comparison for weighted moments estimators and BLUE of the scale parameter of a Pareto distribution with known shape parameter under type II multiply censored sample, *Applied Mathematics and Computation*, 181, 1462-1470. (SCI)
73. Wu, J. W. and Tseng, H. C., 2006, Statistical inference about the shape parameter of the Weibull distribution by upper record values, *Statistical Papers*, 48, 95-129. (SCI)
74. Hong, C. W., Wu, J. W. and Cheng, C. H., 2007, Computational procedure of performance assessment of lifetime index of businesses for the pareto lifetime model with the right type II censored sample, *Applied Mathematics and Computation*, 184, 336-350. (SCI) (NSC 95-2118-M-415-001)
75. Wu, J. W., Lee, W. C. and Chen, S. C., 2007, Computational comparison of prediction future lifetime of electronic components with Pareto distribution based on multiply type II censored samples, *Applied Mathematics and Computation*, 184, 374-406. (SCI)

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77. **Wu, J. W.**, Lee, W. C. and Chen, S. C., 2007, Computational comparison of prediction intervals of future observation for two-parameter exponential distribution, *Applied Mathematics and Computation*, 184, 1084-1117. (SCI)
78. **Wu, J. W.**, Wu, S. F. and Yu, C. M., 2007, One-Sample Bayesian Predictive Interval of Future Ordered Observations for the Pareto Distribution, *Quality and Quantity*, 41, 251-263. (SCI) (NSC 93-2118-M-032-008)
79. Lee, W. C., **Wu, J. W.** and Lei, C. L., 2007, Computational algorithmic procedure for optimal inventory policy involving ordering cost reduction and back-order discounts when lead time demand is controllable, *Applied Mathematics and Computation*, 189, 186-200. (SCI) (NSC 94-2213-E-309-013)
80. Lee, W. C., **Wu, J. W.** and Yu, H. Y., 2007, Statistical Inference about the Shape Parameter of the Bathtub-Shaped Distribution under the Failure-Censored Sampling Plan, *International Journal of Information and Management Sciences*, 18, 157-172. (EI) (NSC 92-2118-M-032-010)
81. Hung, W. L. and **Wu, J. W.**, 2007, Multiple and Partial Correlation Coefficients of Fuzzy Sets, *Quality and Quantity*, 41, 333-340. (SCI)
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83. **Wu, J. W.**, Lee, W. C. and Chen, S. C., 2007, Computational comparison of the prediction intervals of future observation for three-parameter Pareto distribution with known shape parameter, *Applied Mathematics and Computation*, 190, 150-178. (SCI)
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88. **Wu, J. W.**, Lee, W. C., Pan, H. Y., Luu, C. T. and Chen, S. C., 2008, A note on weighted moments estimators of the parameters for three-parameter Pareto distribution with known shape parameter, *Journal of Interdisciplinary Mathematics*, 11, 525-541. (EI)
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95. Lee, W. C., **Wu, J. W.**, Hong, C. W., Pan H. Y. and Hung, W. L., 2010, Decision procedure of performance assessment of lifetime index of products for the Gompertz distribution, *Proceedings of the Institution of Mechanical Engineers, Part B, Journal of Engineering Manufacture*, 224(B3), 493-499. (SCI) (NSC 96-2221-E-309-001, NSC 96-2118-M-415-001 and NSC 97-2118-M-415-001-MY2)

96. Lee, W. C., Hong, C. W., **Wu, J. W.** and Pan H. Y., 2010, Assessing the Lifetime Performance Index of Products or Businesses with the Power Distribution Family, *Journal of Taiwan Intelligent Technologies and Applied Statistics*, 8(2), 1-19. (NSC 99-2118-M-415-001)
97. Lee, W. C., **Wu, J. W.**, Hong, M. L., Lin, L. S. and Chan, R. L., 2011, Assessing the lifetime performance index of Rayleigh products based on the Bayesian estimation under progressive type II right censored samples, *Journal of Computational and Applied Mathematics*, 235, 1676-1688. (SCI) (NSC 99-2118-M-415-001)
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99. Lee, H. M., **Wu, J. W.**, Lei, C. L. and Hong, W. L., 2011, Implementing lifetime performance index of products with two-parameter exponential distribution, *International Journal of Systems Science*, 42, 1305-1321. (SCI) (NSC 95-2118-M-415-001, NSC 96-2118-M-415-001 and NSC 97-2118-M-415-001-MY2)
100. Lee, W. C., **Wu, J. W.** and Li, C. T., 2011, Characterization of the mixtures of Rayleigh distributions by conditional expectation of order statistics, *Statistical Papers*, 52, 657-675. (SCI) (NSC 97-2118-M-415-001-MY2)
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- Procedure of Optimal Inventory Model Involving Controllable Backorder Discounts and Variable Lead Time with Defective Units, *International Journal of Innovative Computing, Information and Control*, 8, 8455-8472. **(EI)**
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