

CURRICULUM VITAE

(updated 3/4/2010)

for

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Education

Ph.D. in Statistics; 8/2001, University of Rochester

Employment History

Department of Biostatistics, State University of New York at Buffalo, 7/2005-present
(tenured since May 2007)

Associate Professor

Department of Statistics at College of Medicine, University of Florida, 8/2001-7/2005

Assistant Professor

Teaching Activities

STA622–Asymptotic, Department of Biostatistics, SUNY at Buffalo (Spring, 2010).

STA521–Introduction to Theoretical Statistics I, Department of Biostatistics, SUNY at Buffalo (Fall, 2005-9).

STA642–Topics in Advanced Modeling, Department of Biostatistics, SUNY at Buffalo (Spring, 2006-9).

Research Papers

Methodological Research

1. L. KANG, A. VEXLER, **L. TIAN** AND G. M. BUCK LOUIS (2010) “Empirical and Parametric Likelihood Interval Estimation for Populations with Many Zero Values: Application for Assessing Environmental Chemical Concentrations and Reproductive Health”. *Epidemiology*, accepted.
2. Yu, J., Vexler, A., **Tian, L.** (2009) Analyzing incomplete data subject to a threshold using empirical likelihood methods: An application to a pneumonia risk study in an ICU setting. *Biometrics* published online.
3. **Tian** (2009) “Confidence interval estimation of partial area under curve based on combined biomarkers”. *Computational Statistics & Data Analysis*, vol 54, P466-472.
4. **Tian, L.**, Vexler, A., Yan, L. and Schisterman, E. (2009) “Confidence Interval Estimation of the Difference Between Paired AUCs Based on Combined Biomarkers”, *JSPI*, vol 39, 3725-3732.
5. **Tian, L.**, Ma, C. and Vexler, A. (2009) “A parametric bootstrap test for comparing heteroscedastic regression models”, *Communication in Statistics*, vol 38, p 1026-1036.
6. Ma, C. and **Tian, L.** (2009) “A parametric bootstrap approach for testing equality of inverse Gaussian means under heterogeneity”, *Communication in Statistics*, vol 38, P1153-1160.
7. **Tian, L.** (2008) “Confidence intervals for $P(Y_1 > Y_2)$ with normal outcomes in linear models”, *Statistics in Medicine*, vol 27, 4221-4237.
8. **Tian, L.** and Wilding, G. E. (2008) “Inference on a common correlation coefficient”, *Computational statistics & data analysis*. Vol 52, Pages 4872-4877.
9. Mudholkar, GS, Chaubey, YP, **Tian L** (2008) “EXTREMES, EXTREME SPACINGS AND TAIL LENGTHS : AN INVESTIGATION FOR SOME IMPORTANT DISTRIBUTIONS”, *Calcutta Statistical Association Bulletin*, vol 60, p239-240.

10. Krishnamoorthy, K. and **Tian, L.** (2007), “Inferences on the ratio of means of two inverse Gaussian distributions: the generalized variable approach”, *Journal of Statistical Planning and Inferences*, Volume 138, Issue 7, 1 , Pages 2082-2089.
11. **Tian, L.** (2007), “Inferences on the overall treatment effect in meta-analysis with normally distributed outcomes: The generalized variable approach”, *biometrical Journal*. Vol 50(2), 1-11.
12. **Tian, L.** (2007) “Confidence intervals for the between-study variance in meta-analysis with normally distributed outcomes”, *biometrical Journal*. Vol 50 (1), 1-9.
13. **Tian, L.** and Wu, Jianrong (2007) “Inferences on the mean response in a log-regression model: The generalized variable approach”, *Statistics in Medicine*, Vol 26, 5180-5188
14. **Tian, L.** and Wu, Jianrong (2006) “Inferences on the Common Mean of Several Log-normal Populations: The Generalized Variable Approach”, *Biometrical Journal*, accepted.
15. **Tian, L.** (2006) “Inferences on Standardized Mean Difference: The Generalized Variable Approach”, *Statistics in Medicine*, vol 26, 945-953.
16. Kye Gilder, Naitee Ting, **Tian, L.**, Joseph C, Cappelleri, R. Choudary Hanumara (2006) “Confidence intervals on intraclass correlation coefficients in a balanced two-factor random Design”, *Journal of statistical planning and inference*, vol 137, P 1199-1212.
17. **Tian, L.** and Mudholkar, G. S. (2006), “Testing equality of order constrained IG means,” *Communication in Statistics: theory and methods*, vol 36/5. 897-906.
18. **Tian, L.** (2006), “Testing equality of inverse Gaussian means based on the generalized test variable”, *Computational Statistics and Data analysis*, Vol 51/2, P 1156-1162.
19. **Tian, L.** and Wu, Jianrong (2006) “Confidence intervals of the mean for lognormal data containing zeros”, *Biometrical Journal*, 48, P 149-156.
20. Liu, T., W. Zhao, **L. Tian** and R. L. Wu (2005) “An algorithm for molecular dissection of tumor progression”. *Journal of Mathematical Biology*, **50**, 336-354.

21. **Tian, L.** (2005), "Inferences on the Within-Subject Coefficient of Variation", *Statistics in Medicine*, 25, P 2008-2017.
22. **Tian, L.** (2005) "On Confidence Intervals of a Common Intraclass Correlation Coefficient", *Statistics in Medicine*, 24, P 3311-3318.
23. **Tian, L.** (2005) "Inferences on the Mean of Zero-inflated Lognormal Data: the generalized variable method", *Statistics in Medicine*, 24, P 3223-3232.
24. **Tian, L.** (2005) "Inferences on the Common Coefficient of Variation", *Statistics in Medicine*, 24, 2213-2220.
25. **Tian, L.** and Wilding, G. E. (2005) "Confidence Intervals of the Ratio of Means of Two Independent Inverse Gaussian Distributions", *Journal of Statistical Planning and Inference*, August 133, P 381-386. .
26. **Tian, L.** (2005) "An Approach for Interval Estimation and Hypothesis Testing OF Intraclass Correlation Coefficients: the generalized variable method", *Statistics in Medicine*, 24,P 1745-1753.
27. **Tian, L.**, Cappelleri, J.C. (2004) "A new approach for interval estimation and hypothesis testing of a certain intraclass correlation coefficient: the generalized variable method", *Statistics in Medicine* 23, 37-49.
28. Shuster, J.J., Chang, M.N. and **Tian, L.** (2004) "Design of group sequential clinical trials with ordinal categorical data based on the Mann-Whitney-Wilcoxon test", *Sequential Analysis*, 23, 413-426.
29. Mudholkar, G. S. and **Tian, L.** (2004) "A test for homogeneity of ordered means of inverse Gaussian population," *Journal of Statistical Planning and Inference*, 118, 37-49.
30. **Tian, L.** and Mudholkar, G. S. (2003) "The likelihood ratio tests for homogeneity of inverse Gaussian means under simple order and simple tree order," *Communication in Statistics: Theory and method*, vol 32, issue 4, 791-805.
31. Mudholkar, G. S. and **Tian, L.** (2002) "An entropy characterization of the inverse Gaussian distribution and related goodness-of-fit test," *Journal of Statistical Planning and Inference*, 102, 211-221.

32. Hongwei Zhao and **Lili Tian**, (2001) "On estimating medical cost and cost-effectiveness ratio with censored data," *Biometrics*, 57, 1002-1008.
33. Mudholkar, G. S. and **Tian, L.** (2001) "On the null distributions of the entropy tests for the Gaussian and inverse Gaussian models," *Communication in Statistics-Theor M*, 30 (8-9), 1507-1520.

Collaborative Research

1. Manpreet K. Chadha, **Lili Tian**, Terry Mashtare, Valencia Payne, Carrie Silliman, Ellis Levine (2009) Phase 2 trial of weekly intravenous 1,25 dihydroxy cholecalciferol (Calcitriol) in combination with dexamethasone for castration-resistant prostate cancer, *Cancer*, Published Online: 17 Feb 2010.
2. Donald L. Trump, Manpreet K. Chadha, Annette Y. Sunga, Marwan G. Fakh, Umeer Ashraf, Carrie G. Silliman, Bruce W. Hollis, Mary K. Nesline, **Lili Tian**, Wei Tan and Candace S. Johnson (2009) Vitamin D deficiency and insufficiency among patients with prostate cancer. *BJU International*, vol 104, p 909-914.
3. Marwan Fakh, Donald Trump, Candace Johnson, **Lili Tian**, et al. (2009) "Chemotherapy Is Linked to Severe Vitamin D Deficiency in Patients with Colorectal Cancer", *International Journal of Colorectal Diseases*, vol 24, p219-224.
4. Manpreet K Chadha, Umeer Ashraf, David Lawrence, **Lili Tian**, Ellis Levine, Paul Escott, Carrie Silliman, Valencia Payne, Donald L Trump (2008) Phase II Study Of Fulvestrant (Faslodex) In Castration Resistant Prostate Cancer , *Prostate*, vol 68, 1461-1466.
5. Lisa C. Richardson, **Lili Tian**, Lydia Voti, Abraham G. Hartzema, Isildinha Reis, Lora E. Fleming, and Jill A. MacKinnon (2006) "The Role of Teaching Hospitals, Insurance and Race-Ethnicity in the Management of Regional Stage Breast Cancer in Florida" , *American Journal of Public Health*, 96(1):160-166.
6. Lora Beebe, **Lili Tian** and etc (2005) "Effects of Exercise in Persons with Schizophrenia", *Issues in Mental Health Nursing*, 2005 Jul;26(6):661-766,

7. Shenkman, Elizabeth; **Tian, Lili**; et al. (2005) "Managed Care Organizational Characteristics and Outpatient Specialty Use Among Children with High-Impact Chronic Illness", *Pediatrics*, Jun;115(6):1547-54.
8. **L. Tian**, (the 6th author of 9) (2005) "Arginine supplementation does not enhance serum nitric oxide levels in elderly nursing home residents with pressure ulcers", *Biological Research for Nursing*, vol 8, 289-300.
9. C.B. Yucha, P. Tsai, K. S. Calderon, **L. Tian** (2005) "Biofeedback Assisted Relaxation Training for Essential Hypertension: Who is Most Likely to Benefit?", *The Journal of Cardiovascular Nursing*, 20, 1-9.
10. S. Schaffer and **L. Tian** (2003) "Promoting Adherence: Effects of Theory-based Asthma Education", *Clinical Nursing Research*, 13(1), 69-89.
11. L. Beebe and **L. Tian** (2003) "TIPS: Telephone intervention-problem solving for persons with schizophrenia", *Issues in Mental Health Nursing*, 25(3), 317-329.
12. C. Krueger and **L. Tian** (2003) "longitudinal methods in biobehavior research", *Journal of Biological research for Nursing*, 6: 151 - 157.
13. Roscoe, J.A., Morrow, G.R., Bushunow, P., **Tian, L.**, Matteson, S. (2002) "Acustimulation Wrist bands for the Relief of Chemotherapy-Induced Nausea," *Alternative Therapies in Health and Medicine*, 8, 56-63.
14. M.E. Kallberg, D. E. Brooks, G. A. Garcia-Sanchez, A. M. Komaromy, N. J. Szabo, **L. Tian** (2002) "Endothelin-1 levels in the Aqueous Humor of Dogs with Glaucoma," *Journal of Glaucoma*, 11, 105-109.
15. Kenneth R. Conner, Christopher Cox, Paul R. Duberstein, **Lili Tian**, Paul A. Nisbet, Yeats Conwell (2001) "Violence and completed suicide : A case-control study," *American Journal of Psychiatry*, 158, 1701-1705.
16. Erick Barquist, Mabelle Pizzutiello, **Lili Tian**, Christopher Cox, Palmer Q. Bessy (2000) "Effect of trauma system maturation on mortality rates in patients with blunt injuries in the finger lakes region of New York state," *Journal of Trauma-Injury, Infection, and Critical Care*, 49, 63-70.

17. Ronald H. Gottlieb, Jani Widjaja, **Lili Tian**, Deborah J. Rubens, Susan L. Voci (1999) "Calf sonography for detecting deep venous thrombosis in symptomatic patients: experience and review of the literature," *Journal of Clinical Ultrasound*, 27, 415-420.