

CURRICULUM VITA

LINXIONG LI
 Department of Mathematics
 University of New Orleans

EDUCATION Ph.D. in Statistics, August 1993
 State University of New York at Stony Brook

EXPERIENCE Professor, 1993--present
 Department of Mathematics, University of New Orleans

Selected Publications

1. Yu, H., Yu, X., Li, Y., Li, L. (2021). A Comparison Case Study of Risk Assessment of Dropped Objects on Subsea Pipelines. *Journal of Pipeline Systems - Engineering and Practice*. DOI: 10.1061/(ASCE)PS.1949-1204.0000569
2. Zeng, Yu, Li (2020). Non-dimensional Analysis of Cylindrical Objects Freely Dropped into Water in Two Dimensions (2D). *Ocean Systems Engineering*, Vol. 10, No. 3, 267-287. Publisher: Elsevier.
3. Yu, X., Meng, H., Zhen, Y. and Li, L. (2019) Trajectory Prediction of Cylinders Freely Dropped into Water in Two Dimensions based on State Space Model, *Ocean Systems Engineering*, <https://doi.org/10.1016/j.oceaneng.2019.106154>. Publisher: Elsevier.
4. R. Fang, X. Li, L. Li (2016). "Generalized multivariate Gumbel distributions — Dependence, aging properties and applications". *Journal of systems science and complexity*, Vol. 29, No. 6, 1752-1772.
5. S. Yu, S. Colman, L. Li (2016). "BEMMA: A Hierarchical Bayesian End-Member Modeling Analysis of Sediment Grain-Size Distributions". *Mathematical Geoscience*, Volume 48, Issue 6, 723–741.
6. X. Li, L. Li, R. Fang (2016). "Statistical Analysis of Survival Times based on Proportional Generalized Odds Models". *Journal of Data Science*, 15, 571-584.
7. X. Li, L. Li and R. Fang (2013). "Copula-based Logistic Regression Models for Bivariate Binary Responses". *Journal of Data Science*, 11, 143-155.
8. X. Li and L. Li. (2012) "Security Analysis of Compromised-Neighbor-Tolerant Networks: A Stochastic Model". *IEEE on Reliability*, Vol.61, NO.3, 749-757.
9. Belmasrou, R., Li, L. et al (2011). "Obtaining Cotton Fiber Length Distributions from the Beard Test Method Part II – A New Approach through PLS Regression", *Journal of Cotton Science*, 15, 73-79.
10. Li, X., Zhao, P. and Li, L. (2010). "Resilience and Reliability Analysis of P2P Network Systems", *Operations Research Letters*, 20-26.
11. Cui, X., Li, L. et al (2009). "Obtaining Cotton Fiber Length Distributions from the Beard Test Method Part 1 - Theoretical Distributions Related to the Beard Method", *Journal of Cotton Science*, 13, 227-235.
12. From, S. and Li, L. (2006). "Estimation of the parameters of the Birnbaum-Saunders distribution", *Comm. Stat.-Theory & Methods*, 35, 2157-2169.

13. Li, L. (2003). "Linear regression analysis with observations subject to interval censoring", Monograph *Development of Modern Statistics and Related Topics*, 236-245. World Scientific Publisher.
14. Li, L. and Pu, Z. (2003). "Rank estimation of log-linear regression with interval-censored Data", *Lifetime Data Analysis*, 9, 57-70.
15. Yu, Q., Wong, G. and Li, L. (2001). "Asymptotic properties of self-consistent estimators with mixed interval-censored data", *Ann. Inst. Statist. Math.*, 53, 469-486.
16. Li, L. (2000). "Estimating distribution functions from partially observed samples", *Naval Research Logistics*, 47, 521-530.
17. Li, L. (2000). "Estimation of distribution functions using data from different environments", *Lifetime Data Analysis*, 6, 271-279.
18. Yu, Q., Li, L. and Wong, G. (2000). "On consistency of the self-consistent estimator of survival function with interval-censored data", *Scand. J. Stat.*, 27, 35-44.
19. Li, L. (1999). "Estimating the point availability with right-censored data", *Naval Research Logistics*, 46, 119-127.
20. Yu, Q., Schick, A. Li, L. and Wong, G. (1998). "Consistency of the MLE with case 2 interval-censored data", *Stat. & Prob. Letters*, 37, 223-228.
21. Yu, Q., Schick, A. Li, L. and Wong, G. (1998). "Estimation of survival functions with interval-censored data, case 1", *Canadian J. Statist.*, 4, 619-627.
22. Li, L. (1997). "Large sample estimation of the mean residual life", *Comm. Stast-Theory & Methods*, 26, 1183-1201.
23. Li, L., Watkins, T. and Yu, Q. (1997). "An EM algorithm for estimating survival functions with interval-censored data", *Scand. J. Statist.*, 24, 531-542.
24. Li, L. and Yu, Q. (1997). "Estimation of survival functions with doubly-censored data", *Comm. Stat.-Theory & Methods*, 26, 2609-2621.
25. Baxter, L.A. and Li, L. (1996). "Nonparametric estimation of the limiting availability", *Lifetime Data Analysis*, 2, 391-402.
26. Baxter, L.A. and Li, L. (1995). "Nonparametric confidence intervals for the renewal function with censored data", *J. Nonparametric Statist.*, 4, 317-326.
27. Baxter, L.A. and Li, L. (1994). "Nonparametric confidence intervals for the renewal function and the point availability", *Scan. J. Statist.*, 21, 277-287.
28. Baxter, L.A. and Li, L. (1994). "Renewal theory in a random environment", *Math. Proceedings of Cambridge Philosophical Society*, 116, 179-190.

Grants and Contracts

- 1) Principal Investigator: BoRSF (\$76,000), 1996-1999.
Title: Nonparametric MLE of the survival function with interval-censored observations
- 2) Statistical Consultant: GCRMTC (\$400,000), 1996.
Title: SOCP ship's reliability, availability and maintainability database
- 3) Statistical Consultant: NIH (\$450,000), 1996-1999.
Title: Corrosion of palladium-containing dental alloys. LSU School of Dentistry.
- 4) Statistical Consultat: Brown Foundation (\$511,000), 2000-2003.
Title: Novel Fluoride releasing dental composite resin. LSU School of Dentistry.
- 5) Principal Investigator: USDA (\$65,000), 2006-2009
Title: Inferring cotton fiber length distribution from HVI testing