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CURRICULUM VITAE

Name Yi Li
Department of Biostatistics
University of Michigan
1415 Washington Heights
Ann Arbor, MI 48109
yili@umich.edu
734-647-5766 (O)

Education

Post-doctoral Fellow	Biostatistics	Harvard University, MA	1999-2000
Ph.D.	Biostatistics	University of Michigan, MI	July, 1999
M.S.	Biostatistics	University of Michigan, MI	May, 1996
M.S.	Mathematics	Tulane University, LA	May, 1994
B.S.	Mathematics	Nanjing University, China	July, 1991

Experience

2022-	M. Anthony Schork Collegiate Professor School of Public Health, University of Michigan
2017-	Professor of Global Public Health School of Public Health, University of Michigan
2011-	Professor of Biostatistics (tenured) Department of Biostatistics, University of Michigan
2016-	Director of China Initiatives School of Public Health, University of Michigan
2016 -	Co-Director of Global Statcore School of Public Health, University of Michigan
2011-2016	Director of Kidney Epidemiology and Cost Center School of Public Health, University of Michigan
2011-2014	Adjunct Full Professor Department of Biostatistics, Harvard University
2005-2011	Associate Professor Department of Biostatistics, Harvard University
2000-2005	Assistant Professor Department of Biostatistics, Harvard University
1999-2000	Research Fellow Department of Biostatistics, Harvard University

Publications

- **Google Citations: 20000+**
- **H-index: 62**

Peer-Reviewed Statistical Journal Publications

1. **Li, Y.** and Lin, X. (2000) Covariate measurement errors in frailty models for clustered survival data. *Biometrika*, 87, 849-66.

2. Gray, R. and **Li, Y.** (2002) Optimal weights for marginal proportional hazards analysis of clustered failure time data. *Lifetime Data Analysis*, 8, 4-19.

3. **Li, Y.** and Ryan, L. (2002) Modeling spatial survival data using semi-parametric frailty models. *Biometrics*, 58, 287-97.

4. **Li, Y.**, Betensky, R., Louis, D. and Cairncross, J. (2002) The use of frailty hazard models for unrecognized heterogeneity that interacts with treatment: considerations of efficiency and power. *Biometrics*, 58, 232-36.

5. **Li, Y.** and Lin, X. (2003) Testing random effects in uncensored/censored clustered data with categorical responses. *Biometrics*, 59, 25-35.

6. **Li, Y.** and Lin, X. (2003) Functional inference in frailty measurement error models for clustered survival data using the SIMEX approach. *Journal of the American Statistical Association*, 98, 191-204.

7. **Li, Y.**, Ryan, L., Bellamy, S. and Satten, G. (2003) Inference on clustered survival data using imputed frailties. *Journal of Computational and Graphical Statistics*, 12, 640-62.

8. **Li, Y.** and Ryan, L. (2004). Survival analysis with heterogeneous measurement error. *Journal of the American Statistical Association*, 99, 724-35.

9. Bellamy, S., **Li, Y.**, Ryan, L., Lipsitz, S., Jacobson, M. and Wright, R. (2004) Analysis of clustered and interval censored data from a community-based study in asthma. *Statistics in Medicine*, 23, 3607-21.

10. **Li, Y.** and Feng, J. (2005) A nonparametric comparison of conditional distributions with nonnegligible cure fractions. *Lifetime Data Analysis*, 11, 367-387.

11. Bellamy, S., **Li, Y.**, Lin, X. and Ryan, L. (2005) Quantifying the bias associated with PQL covariate effects in cluster-randomized trials. *Statistica Sinica*, 15, 1015-32.

12. **Li, Y.** and Ryan, L. (2006) Inference on survival data with covariate measurement error - an imputation approach. *Scandinavian Journal of Statistics*, 33, 169-190.

13. **Li, Y.** and Lin, X. (2006) Semiparametric normal transformation models for spatially correlated survival data. *Journal of the American Statistical Association*, 101, 591-603.

14. Goodman, M., **Li, Y.**, Bennett, G., Emmons, K. and Stoddard, S. (2006) An optimal evaluation of multiple behavioral risk factors for cancer in a working class, multi-ethnic population. *Journal of Data Science*, 4, 291-306.

15. Zhang, B., **Li, Y.** and Betensky, R. (2006) Effects of unmeasured heterogeneity in the linear transformation model for censored data. *Lifetime Data Analysis*, 12, 191-203.

16. Cook, A., Gold, D. and **Li, Y.** (2007) Spatial clustering detection for censored outcomes. *Biometrics*, 63, 540-9.

17. **Li, Y.**, Tiwari, R. and Guha, S. (2007) Mixture cure survival models with dependent censoring. *Journal of the Royal Statistical Society B (Statistical Methodology)*, 69, 285-306.

18. **Li, Y.**, Shih, M. and Betensky, R. (2007) Designed extension of survival studies: application to clinical trials with unrecognized heterogeneity. *Statistica Sinica*, 17, 1567-89.

19. **Li, Y.** and Tiwari, R. (2008) Comparing trends in cancer rates across overlapping regions. *Biometrics*, 64, 1280-6.

20. Guha, S., **Li, Y.** and Neuberg, D. (2008) Bayesian hidden Markov modeling of array CGH data. *Journal of the American Statistical Association*, 103, 485-97.

21. **Li, Y.**, Tiwari, R. and Zou, Z. (2008) An age-stratified Poisson model for comparing trends in cancer rates across overlapping regions. *Biometrical Journal*, 50, 608-19.

22. **Li, Y.**, Prentice, R. and Lin, X. (2008) Semiparametric normal transformation models for bivariate survival data. *Biometrika*, 95, 947-60.

23. Cook, A. and **Li, Y.** (2008) Rejoinder to "Asymptotic Distribution of Score Statistics for Spatial Cluster Detection with Censored Data". *Biometrics*, 64, 1289-92.

24. **Li, Y.**, Tang, H. and Lin, X. (2009) Covariate measurement error in spatial linear mixed models. *Statistica Sinica*, 19, 1077-93.

25. Zhao, D. and **Li, Y.** (2009) A note on optimal weights and variable selections for multivariate survival data. *Science in China - Series A: Mathematics*, 52, 1131-3.

26. Najita, J., **Li, Y.** and Catalano, P. (2009) A novel application of a bivariate regression model for binary and continuous outcomes to studies of fetal toxicity. *Journal of the Royal Statistical Society -Series C*, 58, 555-73.

27. Engler, D. and **Li, Y.** (2009) Survival analysis with high dimensional covariates: an application in microarray studies. *Statistical Applications in Genetics and Molecular Biology*, 8, Article 14.

28. Othus, M., **Li, Y.** and Tiwari, R. (2009) A class of semiparametric mixture cure survival models with dependent censoring. *Journal of the American Statistical Association*, 104, 1241-50.

29. Cook, A., Gold, D. and **Li, Y.** (2009) Spatial cluster detection for repeatedly measured outcomes while accounting for residential history. *Biometrical Journal*, 51, 801-18.

30. Cook, A., **Li, Y.**, Arterburn, D. and Tiwari, R. (2010) Spatial cluster detection for weighted outcomes using cumulative geographic residuals. *Biometrics*, 66, 783-92.

31. Othus, M. and **Li, Y.** (2011) A Gaussian copula model for multivariate survival data. *Statistics in Biosciences*, 2, 154-79.

32. Walters, K., **Li, Y.**, Tiwari, R. and Zou, Z. (2011) A weighted-least-squares estimation approach to comparing trends in age-adjusted cancer rates across overlapping regions. *Journal of Data Science*, 8(4), 631-44.

33. Martin, N. and **Li, Y.** (2011) A new class of minimum power divergence estimators with applications to cancer surveillance. *Journal of Multivariate Analysis*, 102, 1175-93.

34. Liao, X., Zucker, D., **Li, Y.** and Spiegelman, D. (2011) Survival analysis with error-prone time-varying covariates: a risk set calibration approach. *Biometrics*, 67, 50-8.

35. **Li, Y.**, Tian, L. and Wei, L.J. (2011) Estimating subject-specific dependent competing risk profile with censored event time observations. *Biometrics*, 67, 427-35.

36. Goodman, M., **Li, Y.** and Tiwari, R. (2011) Detecting multiple change points in piecewise constant hazard functions. *Journal of Applied Statistics*, 38, 2523-32.

37. Othus, M., **Li, Y.** and Tiwari, R. (2012) Change-point cure models with application to estimating the change-point effect of age of diagnosis among prostate cancer patients. *Journal of Applied Statistics*, 39, 901-11.

38. Cook, A., Gold, D. and **Li, Y.** (2013) Spatial cluster detection for longitudinal outcomes using administrative regions. *Communications in Statistics - Theory and Methods*, 42, 2105-17.

39. Zhao, D. and **Li, Y.** (2012) Principled sure independence screening for Cox models with ultrahigh-dimensional covariate. *Journal of Multivariate Analysis*, 105, 397-411.

40. Zhao, X., Dai, W., **Li, Y.** and Tian, L. (2011) AUC based biomarker ensemble with an application in gene scores predicting low bone mineral density. *Bioinformatics*, 27, 3050-5.

41. Kim, S., Zeng, D., Chambless, L. and **Li, Y.** (2012) Joint models of longitudinal data and recurrent events with informative terminal event. *Statistics in Biosciences*, 4, 262-81.

42. Goodman, M. and **Li, Y.** (2012) Nonparametric diagnostic test for conditional logistic regression. *Journal of Biometrics and Biostatistics*, 3, 136.

43. Wang, H., Zhou, J. and **Li, Y.** (2013) Variable selection for censored quantile regression. *Statistica Sinica*, 23, 145-67.

44. Zucker, D., Malka, G., **Li, Y.**, Tadesse, M. and Spiegelman, D. (2013) A regularization/extrapolation corrected score method for nonlinear regression models with covariate error. *Biometrics*, 69, 80-90.

45. Kim, S., Zeng, D., **Li, Y.** and Spiegelman, D. (2013) Joint modeling of longitudinal and cure survival data. *Journal of Statistical Theory and Practice*, 7, 324-44.

46. **Li, Y.**, Dicker, L. and D. Zhao. (2014) The Dantzig selector for censored linear regression models. *Statistica Sinica*, 24, 251-68.

47. Lin, H., Zhou, L., Elashoff, R. and **Li, Y.** (2014) Semiparametric latent variable transformation models for multiple mixed outcomes. *Statistica Sinica*, 24, 833-54.

48. He, Z., Kalbfleisch, J., Li, Y.J. and **Li, Y.** (2013) Evaluating readmission rates in dialysis facilities with or without adjustment for hospital effects. *Lifetime Data Analysis*, 19, 490-512.

49. Goodman, M., **Li, Y.**, Stoddard, A. and Sorensen, G. (2014) Analysis of ordinal outcomes with longitudinal covariates subject to missingness. *Journal of Applied Statistics*, 41, 1040-52.

50. Xu, P., Zhu, L. and **Li, Y.** (2014) Ultra-high dimensional time course feature selection. *Biometrics*, 70, 356-65.

51. Zhou, L., Lin, H., Song, X. and **Li, Y.** (2014) Selection of latent variables for multiple mixed-outcome models. *Scandinavian Journal of Statistics*, 41, 1064-82.

52. Zhou, L., Lin, H., Song, X. and **Li, Y.** (2014) Semiparametric transformation models for semicompeting survival data. *Biometrics*, 70, 599-607.

53. Snavely, A., Harrington, D. and **Li, Y.** (2014) A latent variable transformation model approach for exploring dysphagia. *Statistics in Medicine*, 33, 4337-52.

54. Zhao, D. and **Li, Y.** (2014) Score test variable screening. *Biometrics*, 70, 862-71.

55. Zheng, Y., Fei, Z., Zhang, W., Baccarelli, A., **Li, Y.** and Hou, L. (2014) PGS: a tool for association study of high-dimensional microRNA expression data with repeated measures. *Bioinformatics*, 30, 2802-7.

56. Xu, P., Zhu, J., Zhu, L. and **Li, Y.** (2015) Covariance enhanced discriminant analysis. *Biometrika*, 102, 33-45.

57. Kim, S., **Li, Y.** and Spiegelman, D. (2016) A semiparametric copula method for Cox models with covariate measurement error. *Lifetime Data Analysis*, 22, 1-16.

58. Zhao, L., Shi, J., Shearon, T. and **Li, Y.** (2015) A Dirichlet process mixture model for survival outcome data: assessing nationwide kidney transplant centers. *Stat in Med*, 34, 1404-16.

59. Lin, H., Tan, M. and **Li, Y.** (2016) A semiparametrically efficient estimator of single-index varying coefficient Cox proportional hazards models. *Statistica Sinica*, 26, 779-806.

60. He, K., Li, Y., Zhu, J., Liu, H., Lee, J., Amos, C., Hyslop, T., Jin, J., Lin, H., Wei, Q. and **Li, Y.** (2016) Component-wise gradient boosting and false discovery control in survival analysis with high-dimensional covariates. *Bioinformatics*, 32, 50-7.

61. Lin, H., Fei, Z. and **Li, Y.** (2016) A semiparametrically efficient estimator of the time-varying effects for survival data with time-dependent treatment. *Scandinavian Journal of Statistics*, 43, 649-63.

62. Lehmann, D., Li, Y. , Saran, R. and **Li, Y.** (2017) Strengthening instrument variables via weighting. *Stat in Biosciences*, 9, 320–38.

63. He, K., Li, Y., Zhu, J. and **Li, Y.** (2017) Modeling time-varying effects with large-scale survival data: an efficient quasi-Newton approach. *Journal of Computational and Graphical Statistics*, 26, 635-45.

64. Li, Y., Hong, H.G. and **Li, Y.** (2017) Discussion of "Post Selection Shrinkage Estimation for High Dimensional Data Analysis." *Appl. Stochastic Models Bus. Ind.*, 33, 126-9.

65. Ma, Y., Li, Y., Lin, H. and **Li, Y.** (2017) Concordance measure-based feature screening and variable selection. *Stat Sinica*, 27, 1967-85.

66. Marino, M., Buxton, O. and **Li, Y.** (2017) Covariate selection for multilevel models with missing data. *STAT*, 6, 31-46.

67. Hong, H. G., Kang, J. and **Li, Y.** (2018) Conditional screening for ultra-high dimensional covariates with survival outcomes. *Lifetime Data Anal*, 24, 45-71.

68. Wu, F., Kim, S., Qin, J., Saran, R. and **Li, Y.** (2018) A pairwise likelihood augmented Cox estimator for left-truncated data. *Biometrics*, 74, 100-8.

69. Kang, J., Hong, H. G. and **Li, Y.** (2017) Partition based ultrahigh dimensional variable screening. *Biometrika*, 104, 785-800.

70. Hong, H. G., Chen, C., Christiani, D. C. and **Li, Y.** (2018) Integrated powered density: screening ultrahigh-dimensional covariates with survival outcomes. *Biometrics*, 74, 421-9.

71. Jha, C., **Li, Y.** and Guha, S. (2017) Semiparametric Bayesian analysis of high-dimensional censored outcome data. *Statistical Theory and Related Fields*, 1, 194-204.

72. Hong, H. G. and **Li, Y.** (2017) Feature selection of ultrahigh-dimensional covariates with survival outcomes: a selective review. *Appl Math Ser B*, 32, 379-96.

73. Marino, M. and **Li, Y.** (2017) Factor analysis of correlation matrices when the number of random variables exceeds the sample size. *Statistical Theory and Related Fields*, 1, 246-56.

74. Rong, Y., Zhao, D., Zhu, J., Yuan, W., Cheng, W. and **Li, Y.** (2018) More accurate semiparametric regression in pharmacogenomics. *Statistics and Its Interface*, 11, 573-80.

75. Li, Y., Hong, H., Ahmed, S. E. and **Li, Y.** (2018) Weak signals in high-dimension regression: detection, estimation and prediction. *Applied Stochastic Models in Business and Industry*, 35(2), 283-98. DOI: 10.1002/asmb.2340.

76. Hong, H. G., Chen, C., Kang, J. and **Li, Y.** (2020) The L_q norm learning for ultrahigh-dimensional survival data: an integrative framework. *Stat Sinica*, 30(3): 1213-33. DOI:10.5705/ss.202017.053

77. He, K, Kang, J., Hong, H., Li, Y., Zhu, J., Lin, H., Xu, H. and **Li, Y.** (2019) Covariance-insured screening. *Computational Statistics & Data Analysis*, 132, 100-14.

78. He, K., Jiang, H., Zhou, X., Wen, W. and **Li, Y.** (2018) False discovery control for penalized variable selections with high-dimensional covariates. *Statistical Applications in Genetics and Molecular Biology*, 17 (6). https://DOI.org/10.1515/sagmb-2018-0038

79. Zucker, D., Zhou, X., Liao, X., **Li, Y.** and Spiegelman, D. (2019) A modified partial likelihood score method for Cox regression with covariate error under the internal validation design. *Biometrics*, 75, 414-27. https://DOI.org/10.1111/biom.13012.

80. Fei, Z., Zhu, J., Banerjee, M. and **Li, Y.** (2019) Drawing inference on high dimensional linear models: a selection-assisted partial regression and smoothing approach. *Biometrics*, 75, 551-61. https://DOI.org/10.1111/biom.13013

81. Hong, H., Zheng, Q. and **Li, Y.** (2019) Forward regression with partial likelihood. *Journal of Multivariate Analysis*, 173, 268-90.

82. He, K., Kalbfleisch, J.D., Yang, Y., Fei, Z., Kim, S., Kang, J. and **Li, Y.** (2019). Inter-unit reliability for quality measure testing. *Journal of Hospital Administration*, 8(2), 1-6. DOI:10.5430/jha.v8n2p1.

83. Li, Y., Hong, H. and **Li, Y.** (2019) Multiclass linear discriminant analysis with ultrahigh-dimensional features. *Biometrics*, 75(4), 1086-97.

84. Hong, H., Christiani, D. C. and **Li, Y.** (2019) Quantile regression for survival data in modern cancer research: expanding statistical tools for precision medicine. *Precision Clinical Medicine*, 2, 90-9.

85. Lin, H., Hong, H., Yang, B., Zhang, Y., Fan, G. and **Li, Y.** (2019) Nonparametric time-varying coefficient models for panel data: inference and application. *Stat in Biosciences*, 11(3), 548-66.

86. Zheng, Q., Hong, H. and **Li, Y.** (2020) Building generalized linear models with ultrahigh dimensional features: a sequentially conditional approach. *Biometrics*, 76(1), 47-60. DOI: 10.1111/biom.13122.

87. Pan, L., Li, Y., He, Z. and **Li, Y.** (2020) Generalized linear mixed models with Gaussian mixture random effects: inference and application. *Journal of Multivariate Analysis*, 175, 104555. DOI:10.1016/j.jmva.2019.104555

88. Morris, E., Li, Y., He, Z., **Li, Y.** and Kang, J. (2020) SurvBoost: an R package for high-dimensional variable selection in the stratified proportional hazards model via gradient boosting. *The R Journal*, 12, 105-17.

89. Hong, H. and **Li, Y.** (2020) Estimation of time-varying reproduction numbers underlying epidemiological processes: a new statistical tool for the COVID-19 pandemic. *PLOS ONE*, 15(7):e0236464.

90. Zhong, Q., Lin, H. and **Li, Y.** (2021) Cluster non-Gaussian functional data. *Biometrics*, 77(3), 852-65. https://DOI.org/10.1111/biom.13349.

91. Pijyan, A., Zheng, Q., Hong, H. and **Li, Y.** (2020) Consistent estimation of generalized linear models with high dimensional predictors via stepwise regression. *Entropy*, 22(9), 965. https://DOI.org/10.3390/e22090965.

92. Lin, H., Liu, J., Li, H., Pan, L. and **Li, Y.** (2022) Efficient estimation and computation in generalized varying coefficient models with unknown link and variance functions for large-scale data. *Stat Sinica*, 32, 847-68.

93. Lin, L., Zhang, R., Huang, H., Zhu, Y., **Li, Y.**, Wei, L., Chen, X., Christiani, D., Wei, Y. and Chen, F. (2021) Mendelian randomization with refined instrumental variables from genetic score improves accuracy and reduces bias. *Frontiers in Genetics*, 12, 618829. doi: 10.3389/fgene.2021.618829. eCollection 202.

94. Fei, Z. and **Li, Y.** (2021) Estimation and inference for high dimensional generalized linear models: a splitting and smoothing approach. *Journal of Machine Learning Research*, 22, 1-32.

95. He, Z., Kang, J., Zhu, J. and **Li, Y.** (2022) Stratified Cox models with time-varying effects for national kidney transplant patients: a new block-wise steepest ascent method. *Biometrics*, 78, 1221-32. https://doi.org/10.1111/biom.13473.

96. Fei, Z., Zheng, Q., Hong, H. and **Li, Y.** (2023) Inference for high dimensional censored quantile regression. *Journal of the American Statistical Association*, 118(542), 898-912. DOI: 10.1080/01621459.2021.1957900

97. Jiang, J., Lin, H., Zhong, Q. and **Li, Y.** (2022) Analysis of multivariate non-Gaussian functional data: a semiparametric latent process approach. *Journal of Multivariate Analysis*, 189, 104888. https://doi.org/10.1016/j.jmva.2021.104888.

98. Xia, L., Nan, B. and **Li, Y.** (2023) De-biased lasso for generalized linear models with a diverging number of covariates. *Biometrics*, 79(1), 344-357. doi: 10.1111/biom.13587.

99. Jiang, J., Lin, H., Peng, H., Fan, G. and **Li, Y.** (2022) Cluster analysis with regression of non-Gaussian functional data on covariates. *Canadian Journal of Statistics*, 50, 221-40. DOI: 10.1002/cjs.11680.

100. Zhang, E. and **Li, Y.** (2023) High dimensional Gaussian graphical regression models with covariates. *Journal of the American Statistical Association*, 118(543), 2088-2100. https://doi.org/10.1080/01621459.2022.2034632

101. Sun, Y., Kang, J., Brummett, C. and **Li, Y.** (2023) Individualized risk assessment of preoperative opioid use by interpretable neural network regression. *Annals of Applied Statistics*, 17, 434–53.

102. Xia, L., Nan, B. and **Li, Y.** (2023) Statistical inference for Cox proportional hazards models with a diverging number of covariates. *Scandinavian Journal of Statistics*, 50(2), 550-71. https://doi.org/10.1111/sjos.12595.

103. Salerno, S. and **Li, Y.** (2023) High-dimensional survival analysis: methods and applications. *Annual Review of Statistics and Its Application*, 10, 25-49.

104. Zhang, C., Lin, H., Liu, L., Liu, J. and **Li, Y.** (2023) Functional data analysis with covariate-dependent mean and covariance structures. *Biometrics*, 79(3), 2232-45. https://doi.org/10.1111/biom.13744.

105. Chang, X., Li, YH. and **Li, Y.** (2023) Asynchronous and error-prone longitudinal data analysis via functional calibration. *Biometrics*, 79, 3374-87.

106. Xia, L., Nan, B. and **Li, Y.** (2023) De-biased lasso for stratified Cox models with application to the national kidney transplant data. *Annals of Applied Statistics*, 17(4), 3550-69.

107. Liu, W., Lin, H., Liu, L., Ma, Y., Wei, Y. and **Li, Y.** (2023) Supervised structural learning of semiparametric regression on high-dimensional correlated covariates with applications to eQTL studies. *Statistics in Medicine*, 42, 3145-63. https://doi.org/10.1002/sim.9769.

108. Sun, Y., Salerno, S., He, X., Pan, Z., Yang, E., Sujimongkol, C., Song, J., Wang, X., Han, P., Kang, J., Sjoding, M., Jolly, S., Christiani, D., and **Li, Y.** (2023) Use of machine learning to assess the prognostic utility of radiomic features for in-hospital COVID-19 mortality. *Scientific Reports*, 13, 7318. https://www.nature.com/articles/s41598-023-34559-0.

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111. Song, J., Guha, S. and **Li, Y.** (2023) Bayesian inference for high dimensional Cox models using the Gaussian and Diffused-Gamma prior: evaluation of risk factors associated with mortality among COVID-19 patients admitted to intensive care units. *Stat in Biosciences*, 16(1), 221–49. https://doi.org/10.1007/s12561-023-09395-5

112. Rong, Y., Zhao, D., Zheng, X. and **Li, Y.** (2024) Kernel Cox partially linear regression: building predictive models for cancer patients' survival. *Statistics in Medicine*, 43(1), 1-15. DOI: 10.1002/sim.9938

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114. Sun, Y., Salerno, S., Pan, Z., Yang, E., Sujimongkol, C., Song, J., Wang, X., Han, P., Zeng, D., Kang, J., Christiani, D., and **Li, Y.** (2024) Assessing the prognostic utility of clinical and radiomic features for COVID-19 patients admitted to ICU: challenges and lessons learned. *Harvard Data Science Review*, 6(1). https://doi.org/10.1162/99608f92.9d86a749

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116. Guha, S. and **Li, Y.** (2024) Causal meta-analysis by integrating multiple observational studies with multivariate outcomes. *Biometrics*, 80(3), ujae070.

117. Zhang, E. and **Li, Y.** (2025) Multi-task learning for Gaussian graphical regressions with high dimensional covariates. *Journal of Computational and Graphical Statistics*, 34(3), 961-70.

118. Salerno, S. and **Li, Y.** (2025) A pseudo-value approach to causal deep learning of semi-competing risks. *Arabian Journal of Mathematics*. https://doi.org/10.1007/s40065-025-00501-7.

119. Guha, S. and **Li, Y.** (2025) Bayesian estimation of propensity scores for integrating multiple cohorts with high-dimensional covariates. *Stat in Biosciences*, in press.

120. Weng, S., **Li, Y.**, Kong, D. and Lin, H. (2025) Prediction of cognitive function via brain region volumes with applications to Alzheimer's disease based on space-factor-guided functional principal component analysis. *Journal of the American Statistical Association*, 120(551), 1373–85.

121. Wei, Q., Cui, M., Liu, Z., Liu, Z., Feng, G., **Li, Y.**, Christiani, D.C., Li, L., Wang, J., Hao, Y., and Wei, Y. (2025) Integrating statistical design and inference: A roadmap for robust and trustworthy medical AI. *The Innovation Medicine*, 3, 100145-1.

122. Weng, S., Liu, L., Liu, J., **Li, Y.** and Lin, H. (2025) Factor-assisted learning of ultrahigh-dimensional covariates with distributed functional and scalar mixtures with applications to the Avon Longitudinal Study of Parents and Children. *Annals of Applied Statistics*, 19(3), 2171-92.

123. Meng, X., Zhang, J. and **Li, Y.** Statistical Inference on High Dimensional Covariate-Dependent Gaussian Graphical Regressions. *Biometrics*, in press.

124. Salerno, S., Zhang, Z. and **Li, Y.** Deep learning of semi-competing risk data via a new neural expectation-maximization algorithm. *Annals of Applied Statistics*, in press.

125. Meng, X., and **Li, Y.** Inference for deep neural network estimators in generalized nonparametric models. *Journal of the American Statistical Association*, in press.

126. Chen, L., Chen, X., Guo, X. and **Li, Y.** Subgroup identification and membership prediction. *Biometrics*, in press.

127. Shi, Q., Kang, J., and **Li, Y.** (2026). Generalized linear multiple kernel learning for high-dimensional image data. *Statistics and Probability Letters*, 110933. https://doi.org/10.1016/j.spl.2026.110933.

Statistical Books

128. Chen, D., Jin, Z., Li, G., **Li, Y.**, Liu, A. and Zhao, Y. (2017) *New Advances in Statistics and Data Science.* New York: Springer (ISBN 978-3-319-69416-0).

129. Ahmed, E., Alquier, P., **Li, Y.** and Ma, S. (2026) *Statistical Foundations and Applications of Artificial Intelligence, Machine Learning and Deep Learning.* New York: Springer.

Peer-Reviewed Statistical Book Chapters and Reviews

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131. **Li, Y.** (2007) Discussion of "Semiparametric regression models with censored data" by Zeng and Lin. *Journal of the Royal Statistical Society B (Statistical Methodology)*, 69, 552-4.

132. **Li, Y.** (2008) A short summary of discussions on the growth and future of biostatistics. *Biometric Bulletin*, 25, 12-12.

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