

Ruosha Li

Department of Biostatistics and Data Science
School of Public Health
The University of Texas Health Science Center at Houston
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RESEARCH INTERESTS

- Survival analysis; Quantile regression; Longitudinal data; Estimating equations.
- Prediction; Validation; Association; Agreement.
- Clinical trials; Liver disease; Parkinson's disease; Traumatic brain injury; Lung disease.

EXPERIENCE

- **Associate Professor** 2018–present
Department of Biostatistics and Data Science, University of Texas Health Science Center at Houston
- **Assistant Professor** 2014–2018
Department of Biostatistics and Data Science, University of Texas Health Science Center at Houston
- **Assistant Professor** 2011–2014
Department of Biostatistics, Graduate School of Public Health, University of Pittsburgh.
- **Research Assistant** 2008–2011
Department of Biostatistics & Bioinformatics, Emory University.

EDUCATION

- **Ph.D. in Biostatistics** 2011
Department of Biostatistics & Bioinformatics, Emory University. *Advisor: Dr. Limin Peng*
- **B.S. in Statistics** 2006
Department of Probability & Statistics, School of Mathematical Sciences, Peking University, China.

PUBLICATIONS

+ PhD students supervised or co-supervised;

* Corresponding author.

Methodological Papers

1. Ding, M. ⁺, Ning, J. and **Li, R.*** (2020+) Evaluation of competing risks prediction models using polytomous discrimination index. *The Canadian Journal of Statistics*. Accepted.
2. DeSantis, S. M., **Li, R.**, Zhang, Y., Wang, X., Vernon, S. W., Tilley, B. C., Koch, G. (2020). Intent-to-treat analysis of cluster randomized trials when clusters report unidentifiable outcome proportions. *Clinical Trials*. In press.
3. Cai, W., Li, L., and **Li, R.** (2020) Dynamic prediction of competing risk events using landmark sub-distribution hazard model with multiple longitudinal biomarkers. *Statistical Methods in Medical Research*. In press.
4. Chen, L., Cheng, Y., Ding, Y., and **Li, R.** (2020+) Quantile association regression on bivariate survival data. *The Canadian Journal of Statistics*. Accepted.

5. Li, W.⁺, **Li, R.**, Feng, Z. and Ning, J. (2019) Semiparametric Isotonic Regression Analysis for Risk Assessment under Nested Case-Control and Case-Cohort Designs. In press. Statistical Methods in Medical Research.
6. Liu, X.⁺, Ning, J., Cheng, Y., Huang, X., **Li, R.*** (2019) A flexible and robust method for assessing conditional association and conditional concordance. Statistics in Medicine 38(19): 3656-3668.
7. Lin, X., **Li, R.**, Yan, F., Lu, T. and Huang, X. (2019) Quantile residual lifetime regression with functional principal component analysis of longitudinal data for dynamic prediction. Statistical Methods in Medical Research. 28(4):1216-1229.
8. Xie, J. and **Li, R.** (2018) False discovery rate control for high-dimensional networks of quantile associations conditioning on covariates. Journal of the Royal Statistical Society-B. 80: 1015-1034.
9. Lin, X., Lu, T., Yan, F., **Li, R.** and Huang, X. (2018) Mean residual life regression with functional principal component analysis on longitudinal data for dynamic prediction. Biometrics. 74(4): 1482-1491.
10. Yan, F., Lin, X., **Li, R.** and Huang, X. (2018) Functional principal components analysis on moving time windows of longitudinal data: dynamic prediction of times to event. Journal of the Royal Statistical Society-C. 67(4):961-978.
11. Li, X.⁺, Chen, Y. and **Li, R.*** (2017) A frailty model for recurrent events during alternating restraint and non-restraint time periods. Statistics in Medicine. 36(4): 643–654.
12. **Li, R.***, Cheng, Y., Chen, Q. and Fine, J. (2017) Quantile association for bivariate survival data. Biometrics. 73(2): 506–516.
13. **Li, R.** and Peng, L. (2017) Assessing quantile prediction with censored quantile regression models. Biometrics. 73(2): 517–528.
14. **Li, R.*** and Cheng, Y. (2016) Flexible association modelling and prediction with semi-competing risks data. The Canadian Journal of Statistics, 44 (3): 361–374.
15. **Li, R.***, Huang, X., and Cortes, J. (2016) Quantile residual life regression with longitudinal biomarker measurements for dynamic prediction. Journal of the Royal Statistical Society-C. 65 (5): 755–773.
16. **Li, R.** and Peng, L. (2015) Quantile regression adjusting for dependent censoring from semi-competing risks. Journal of the Royal Statistical Society - B. (77) 107-130.
17. **Li, R.***, Cheng, Y., and Fine, J.P. (2014) Quantile association regression models. Journal of the American Statistical Association. 109:505, 230-242.
18. **Li, R.** and Peng, L. Varying coefficient subdistribution regression for left-truncated semi-competing risks data. (2014). Journal of Multivariate Analysis. 131: 65-78.
19. Pan, Y., Caudill, S., **Li, R.** and Caldwell, K. (2014) Median and quantile tests under complex survey design using SAS and R. Computer Methods and Programs in Biomedicine 117(2):292-7
20. Ji, S., Peng, L., **Li, R.** and Lynn, M. (2014) Analysis of dependently censored data based on quantile regression. Statistica Sinica. 24(3):1411-1432.
21. Guo, Y., **Li, R.**, Peng, L. and Manatunga, A.K. (2013) New agreement measures based on survival processes. Biometrics 69: 874-882.
22. Peng, L., **Li, R.**, Guo, Y. and Manatunga, A.K. (2011). A framework for assessing broad sense agreement between ordinal and continuous measurements. Journal of the American Statistical Association (featured article), 106:496, 1592-1601.
23. Hanfelt, J.J., **Li, R.**, Pan, Y., and Payment, P. (2011). Robust inference for sparse cluster-correlated count data. Journal of Multivariate Analysis 102: 182-192.
24. **Li, R.** and Peng, L. (2011). Quantile regression for left-truncated semi-competing risks data.

Collaborative Papers in Biomedical Research

25. Zhang, X., Pang, L., Sharma, S., **Li, R.**, Nyitray, A., Edwards, B. (2020) Malnutrition and Overall Survival in Older Patients with Cancer (2020) Clinical Nutrition. In press.
26. Gu, D., Morgan, R.O., **Li, R.**, Weber, E.S., Shen, C. (2020) Association between depression and healthcare expenditures among elderly cancer patients. BMC Psychiatry. Accepted.
27. Jones, M.B., Jeevan, S., Wang, J.⁺, **Li, R.**, Agrawal, R., Sharafkaneh, A., Marsh, L., Jorge, R. (2020) Clinical Correlates of Dream Enactment Behaviors in Previously Deployed OEF/OIF/OND Veterans: An Exploratory Analysis. Journal of Neuropsychiatry. 32(2):147-153.
28. Fu, S., Wang, M., Zhao, H., **Li, R.**, Lairson, D.R., Giordano, Zhao, B., Du, X.L. (2019), Comparative Effectiveness of Chemotherapy, Rituximab, and Bendamustine in Medicare beneficiaries with Mantle Cell Lymphoma. Clinical Lymphoma, Myeloma and Leukemia. 19(11):e616-e623.
29. Jorge, R., **Li, R.**, Liu, X.⁺, McGavin, J.K., Shorter, D.I., Action, L., Arndt, S. (2019), Treating Alcohol Use Disorder in U.S. Veterans: The Role of Traumatic Brain Injury. Journal of Neuropsychiatry. 31(4):319-327.
30. Wilde, E., Newsome, M.R., Ott, S., Hunter, J., Dash, P.K., Redell, J.B., Spruiell, M., Diaz, M., Chu, Z.D., Goodrich-Hunsaker, N.J., Petrie, J.A., **Li, R.**, Levin, H. (2019). Persistent Disruption of Brain Connectivity After Sports-Related Concussion in a Female Athlete. Journal of Neurotrauma. 15;36(22):3164-3171.
31. Zhang, X., Pang, L., Sharma, S., **Li, R.**, Nyitray, A., Edwards, B. (2019) The validity of three malnutrition screening markers among older patients with cancer. BMJ Supportive and Palliative Care. doi: 10.1136/bmjspcare-2018-001706.
32. Zhang, X., Tang, T., Pang, L., Sharma, S., **Li, R.**, Nyitray, A., Edwards, B. (2019) Malnutrition and overall survival in older adults with cancer: A systematic review and meta-analysis. Journal of Geriatric Oncology 10(6):874-883.
33. Bzowej, N.H., Tran, T., **Li, R.**, Belle, S.H., Smith, C., Khalili, M., Chung, R.T., Tsai, N., Terrault, N. for the Hepatitis B Research Network. (2019) ALT Flares in Pregnant North American Women with Chronic Hepatitis B Infection: Results from a Prospective Observational Study. American Journal of Gastroenterology 114(8):1283-1291.
34. Zhang, X., Pang, L., Sharma, S., **Li, R.**, Nyitray, A., Edwards, B. (2019) Prevalence and factors associated with malnutrition in older patients with cancer. Journal of Geriatric Oncology 10(5):763769.
35. Fu, S., Wang, M., **Li, R.**, Lairson, D.R., Zhao, B., Du, X.L. (2019) Increase in survival for patients with mantle cell lymphoma in the era of novel agents in 1995-2013: Findings from Texas and national SEER areas. Cancer Epidemiology 58(2019): 89-97.
36. Rosenblatt, A., **Li, R.**, Fortier, C., Liu, X., Fonda, J.R., Villalon, A., McGlinchey, R., Jorge, R. (2019) Latent Factor Structure of PTSD Symptoms in Veterans with a History of Mild Traumatic Brain Injury and Close-Range Blast Exposure. Psychological Trauma: Theory, Research, Practice, and Policy. 11(4):442-450.
37. Narkewicz, M.R., Horslen, S., Hardison, R., Shneider, B.L., Rodriguez-Baez, N., Alonso, E., Ng, V., Leonis, M.A., Loomes, K., Rudnick, D., Rosenthal, P., Romero, R., Subbarao, G., **Li, R.**, Belle, S., Squires, R. (2018) A Learning Collaborative Approach Increases Specificity of Diagnosis of Acute Liver Failure in Pediatric Patients. Clinical Gastroenterology and Hepatology. 16(11):1801-1810.

38. Mahale P., Engels, E.A., **Li, R.**, Torres, H.A., Hwang, L.Y., Brown, L., Kramer, J.R., (2018) The effect of sustained virological response on the risk of extrahepatic manifestations of hepatitis C virus infection. Gut. 67(3):553-561..
39. Fu, S., Wang, M., Lairson, D.R., **Li, R.**, Zhao, B., Du, X.L. (2017), Trends and variations in mantle cell lymphoma incidence from 1995 to 2013: A comparative study between Texas and National SEER areas. Oncotarget. 8(68):112516-112529
40. Wills, A.M., **Li, R.**, Perez, A., Ren, X.⁺, Boyd, J. on behalf of the NINDS NET-PD Investigators (2017) Predictors of Weight Loss in early treated Parkinsons Disease from the NET-PD LS-1 cohort. Journal of Neurology. 264(8):1746-1753.
41. Mahale P, Torres HA, Kramer JR, Hwang LY, **Li, R.**, Brown EL, Engels EA. (2017) Hepatitis C virus infection and the risk of cancer among elderly US adults: A registry-based case-control study. Cancer. 1;123(7):1202-1211
42. Hauser, R., **Li, R.**, Perez, A., Ren, X.⁺, ..., Kieburz, K., Tilley, B. for the NINDS NET-PD Investigators. (2017) Longer duration of MAO-B inhibitor exposure is associated with less clinical decline in PD: an analysis of NET-PD LS1. Journal of Parkinson's Disease (featured article), 7(1): 117-127.
43. Hassan, M., Kim, R., **Li, R.**, Smith, C., Fried, M. Sterling, R., Ghany, M., Wahed, A., Ganova-Raeva, L., Roberts, L., Lok, A. for the Hepatitis B Research Network (2017), Characteristics of US-born versus foreign-born Americans of African descent with chronic Hepatitis B. American Journal of Epidemiology. 19:1-11
44. Ng, V., **Li, R.**, Loomes, K., Leonis, M., Rudnick, D., Belle, S.H., and Squires, R. (2016) Outcomes of children with and without hepatic encephalopathy from the Pediatric Acute Liver Failure (PALF) study group. Journal of Pediatric Gastroenterology & Nutrition. 63(3): 357-64
45. Dabbs, A.D., Song, M.K., Myers, B.A., **Li, R.**, Dew, M.A., Hawkins, R.P., Pilewski, J.M., Bermudez, C.A., Aubrecht, J., Begey, A., Connolly, M., Alrawashdeh, M. (2016) A Randomized Controlled Trial of a Mobile Health Intervention to Promote Self-Management after Lung Transplantation. American Journal of Transplantation, 16(7):2172-80.
46. **Li, R.**, Belle, S.H., Horslen, S., Chen, L.W., Zhang, S., Squires, R. (2016) Clinical Course among Cases of Acute Liver Failure of Indeterminate Diagnosis. Journal of Pediatrics, 171: 163–170.
47. Taylor, S., **Li, R.**, Petschauer, J., Donovan, H., O'Neal, S., Keeler, A., Zamboni, W., Edwards, R., Zorn, K. (2015) Phase I Study of Intravenous (IV) Docetaxel and Intraperitoneal (IP) Oxaliplatin in Recurrent Ovarian and Fallopian Tube Cancer. Gynecologic Oncology, 138(3): 548-553.
48. Gu, S., **Li, R.**, Leader, J.K., Zheng, B., Bon, J., Gur, D., Scirba, F., Jin, C., Pu, J. (2015) Obesity and extent of emphysema depicted at CT. Clinical Radiology. 70(5): e14-9.
49. Ju, J. #, **Li, R**#, Gu, S., Leader, J.K., Wang, X., Chen, Y., Zheng, B., Wu, S., Gur, D., Scirba, F., Pu, J. (2015) Impact of Emphysema Heterogeneity on Pulmonary Function. PLOS One. (# contributed equally).
50. Ghany, M, Perrillo, R, **Li, R.**, Belle, SH, Janssen, HLA, Terrault, NA, Shuhart, MC, Lau, DT-Y, Kim, WR, Fried, MW, Sterling, RK, Di Bisceglie AM, Han S-HB, Ganova-Raeva LM, Chang K-M, Suk-Fong Lok A. (2015) Characteristics of Adults in the Hepatitis B Research Network in North America Reflect Their Country of Origin and HBV Genotype, Clinical Gastroenterology and Hepatology. 13(1):183-192.
51. Squires, R., Balint, J., Horslen, S., Wales, P., Soden, J. Duggan, C., **Li, R.**, Belle, S. Race affects outcome among infants with intestinal failure. (2014). Journal of Pediatric Gastroenterology & Nutrition. 59(4):537-543.
52. DeVito Dabbs, A.J., Song, MK, Myers, BM, Hawkins, RP, Aubrecht, J, Begey A, Connolly, **Li, R.**, Pilewski, JM, Bermudez, CA & Dew, MA. (2013). Clinical trials of health IT interventions intended

for patient use: unique issues and considerations. Clinical Trials: Journal of the Society for Clinical Trials. 10(6):896-906.

53. Hertzberg, R.C., Pan, Y., **Li, R.**, Haber, L., Lyles, R.H., Herr, D.W., Moser, V.C., Simmons, J.E.. (2013) A four step approach to evaluate mixtures for consistency with dose addition. Toxicology. 313: 134-144.
54. Mwanza, J.C., Lyke, D.F., Hertzberg, R.C., Haber, L., Kohrman, V.M., **Li, R.**, Pan, Y., Lyles, R.H., Simmons, J.E., Macmillan, D.K., Zehr, R.D., Swank, A.E., Herr, D.W. (2012) Cholinesterase inhibition and depression of the photic after discharge of flash evoked potentials following acute or repeated exposures to a mixture of carbaryl and propoxur. Neurotoxicology. 33(3):332-46.
55. Froehlich, C.D., Rigby, M.R., Rosenberg, E.S., **Li, R.**, Roerig, P.L.J., Easley, K.A. and Stockwell, J.A. (2009). Ultrasound-guided central venous catheter placement decreases complications and decreases placement attempts compared with the landmark technique in patients in a pediatric intensive care unit, Critical care medicine, 37(3): 1090-2009.
56. Muller, S., Pan, Y., **Li, R.**, Chi, A.C. (2008). Changing trends in the incidence of oral squamous cell carcinoma with particular reference to young patients, 1971-2006. The Emory University Experience. Head and Neck Pathology, 2(2): 60-66.
57. Chi, A.C., Lambert III, P.R., Pan, Y., **Li, R.**, Vo, D.T., Edwards, E., Gangarosa, P. and Neville, B.W. (2007). Is alveolar ridge keratosis a true leukoplakia?: A clinicopathologic comparison of 2,153 lesions, The Journal of the American Dental Association, 138(5): 641-651.

BOOK CHAPTER

- **Li, R.** and Peng, L. (2017), Survival Analysis with Competing Risks and Semi-competing Risks Data. Invited book chapter for Handbook of Quantile Regression, edited by Koenker, R., Chernozhukov, V., He, X. and Peng, L.

GRANT SUPPORTS

- Modeling and Validation for Tackling Risk Prediction with Competing Risks by Integrating Multiple Longitudinal Biomarkers. NIH.
Role: PI. 2018–2022
- Statistical Methods for Regression Modeling of Global Percentile Outcome in Neurological Diseases. NIH.
Role: PI. 2019–2021
- Persistent Hormonal Changes in Veterans with Gulf War Illness. DOD. PI: Jorge
Role: Co-investigator/subcontract PI 2017–2020
- An Intersectional Approach to Disparities in Hypertension Incidence and Progression. NIH. PI: Aguilar.
Role: Co-I. 2019-2021
- Work Hour Patterns and Diabetes Disparities. NIH. PIs: Conway, Aguilar.
Role: Co-I. 2018–2020
- Dynamic Prediction of Time to Next Failure Event, NSF DMS. PIs: Huang, **Li**.
Role: Co-PI. 2016-2019
- Collaborative agreement with Baylor College of Medicine. PI: Jorge.
Role: Statistician. 2016–present
- A Randomized Recruitment Intervention, NIH. PI: Tilley
Role: Co-investigator. 2017–2018

- Prehospital Resuscitation On Helicopter Study, University of Washington / NIH
Role: Co-investigator. 2017
- “Parkinson’s Disease Clinical Trial: Statistical Center”, NIH. PI: Tilley.
Role: Co-investigator. 2014–2016
- “Latent Class Trajectory Analysis of PALF Registry Data”, University of Pittsburgh CTSI. PI: Li
Role: PI. 2012–2013
- “Hepatitis B Clinical Research Network-Data Coordinating Center”, NIH. PI: Belle.
Role: Statistician. 2011–2014
- “Phase III Trial of Pocket PATH: A computerized intervention to promote self-care”, NIH. PI: Dabbs.
Role: Co-investigator. 2012–2014
- “A Multi-center group to study acute liver failure in children”, NIH. PI: Squires.
Role: Statistician. 2013–2014

HONORS AND AWARDS

- *Award for Excellence in Teaching*, UTHealth School of Public Health. 2020
- *Travel Award*, Women in Statistics Conference, Cary, NC. 2014
- *ENAR Distinguished Student Paper Award*, Eastern North American Region. 2011
- *Travel Award*, 2nd Summer Institute in Statistics and Modeling in Infectious Diseases, University of Washington, Seattle, WA. 2010
- *Honored Graduate*, Peking University, P.R.China. 2006
- *Scholarships and Outstanding Student Award*, Peking University, P.R.China. 2004-2006

TEACHING

UTHealth

– Intermediate Biostatistic, PH1700

40 Enrolled Spring 2018
52 Enrolled Spring 2017

– Survival Analysis, PH1831

33 Enrolled Spring 2020
30 Enrolled Fall 2019
28 Enrolled Fall 2018
31 Enrolled Fall 2017
21 Enrolled Fall 2016
32 Enrolled Spring 2016
10 Enrolled Fall 2015
20 Enrolled Spring 2015

– Biostatistics Seminar, PH1988

6 Enrolled Fall 2018
4 Enrolled Spring 2019

UPITT

– Linear Models. Fall, 2012-2013
– Biostatistics Seminar. Spring 2012-Fall 2013

ADVISING

UTHealth

– Dissertation Supervisor for PhD students:

- Xiaoqi Li (main supervisor, co-supervised with Dr. Chen), graduated in 2015
Dissertation: “Statistical models for recurrent events during alternating restraint and non-restraint periods”.
- Xiangyu Liu, graduated in 2019.
Dissertation: “Flexible and robust methods based on rank and concordance for data with multiple outcomes”.
- Wen Li, graduated in 2020 (co-supervisor, main supervisor is Dr. Ning)
Dissertation: “Semiparametric statistical methods for biomarker development.”
- Jing Zhang (main supervisor, co-supervising with Dr. Ning), in progress.
- Jingyan Wang, in progress.
- Cuihong Zhang, in progress.

– MS Thesis advisor:

- Fen Peng, graduated in 2017
Thesis: “Use of fractional polynomials in dynamic prediction and assessment of prediction accuracy: a simulation study.”
- Fangfang Yan, graduated in 2017.
Thesis: “Integrate IMPACT with advanced brain imaging to evaluate the effect of sports-related concussion on high school athletes: analysis of a longitudinal study”.
- Brandon O’Grady, in progress.

– Other Student Advising:

Student	Dept.	Program	Role	Status
Qing Yun	BIOS	PhD	Academic advisor	In progress
Melissa Varon	EHGES	PhD	Committee member	In progress
Biai Digbeu	BIOS	MPH	Academic advisor	In progress
Austin Bonnette	BIOS	MPH	Academic advisor	In progress
Rikita Hatia	EHGES	PhD	Committee member	In progress
Daniel Mansfield	MPACH	PhD	Committee member	In progress
Ellen Regalado	EHGES	PhD	Committee member	In progress
Emeka Nwachukwu	EHGES	PhD	Committee member	In progress
Fangyu Li	EHGES	PhD	Committee member	In progress
Whitney Harrison	EHGES	PhD	Committee member	In progress
Xinyue Qi	BIOS	PhD	Academic advisor & committee chair	Graduated in 2020
Yiyao Li	BIOS	MS	Academic advisor	Graduated in 2020
Iman Moussa	EHGES	PhD	Committee member	Graduated in 2020
Lu Zhang	MPACH	PhD	Committee member	Graduated in 2020
Anna Guo	EHGES	MS	Committee member	Graduated in 2019
Tanaya Deshpande	EHGES	MPH	Committee member	Graduated in 2019
Mengxi Wang	BIOS	MS	Academic advisor	Graduated in 2019
Xiaoxiao Wang	BIOS	MPH	Academic advisor	Graduated in 2019
Quynh Nguyen	BIOS	MS	Committee member	Graduated in 2019
Ping Zhu	EHGES	PhD	Committee member	Graduated in 2019

Dian Gu	MPACH	PhD	Committee member	Graduated in 2019
Peter J. Elyanu	EHGES	PhD	Committee member	Graduated in 2019
Nicole Delgado	EHGES	MS	Committee member	Graduated in 2019
Jacky Kuo	BIOS	MS	Academic advisor	Transfer to PhD 2018
Xiaotao Zhang	EHGES	PhD	Committee member	Graduated in 2018
Sharmila Giri	BIOS	MS	Academic advisor	Graduated in 2018
Shuangshuang Fu	EHGES	PhD	Committee member	Graduated in 2018
Jun Yu	BIOS	PhD	Academic advisor & committee chair	Graduated in 2018
Brandi Markert	EHGES	MS	committee member	Graduated in 2018
Sarah May	BIOS	MS	Academic advisor	Graduated in 2018
Cai Wu	BIOS	PhD	Committee member	Graduated in 2017
Huzhang Mao	BIOS	PhD	Committee member	Graduated in 2017
Olubiyi Aworunse	MPACH	PhD	Committee member	Graduated in 2017
Yiyi Chu	BIOS	PhD	Academic advisor & committee chair	Graduated in 2017
Jin Piao	BIOS	PhD	Academic advisor & committee chair	Graduated in 2017
Peter J. Elyanu	EHGES	MPH	Committee member	Graduated in 2016
Huan Cong	BIOS	PhD	Academic advisor & committee chair	Graduated in 2016
Yi Cai	BIOS	PhD	Academic advisor & committee chair	Graduated in 2016
Parag S. Mahale	EHGES	PhD	Committee member	Graduated in 2016

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Student	Dept.	Program	My Role
Yi Ren	BIOS	PhD	Co dissertation supervisor
Bo Fu	BIOS	PhD	Committee member
Seunghyun Won	BIOS	PhD	Committee member
Wen-Chi Wu	BIOS	PhD	Committee member
Yuzhou Liu	BIOS	MS	Committee member
Lu Wang	BIOS	MS	Committee member
Song Zhang	BIOS	MS	Committee member

PRESENTATIONS

- **Li, R.** (2020) Extensions of the C-statistic for assessing concordance and predictive discrimination, at Department of Biostatistics and Data Science, *UTHealth*, Houston.
- **Li, R.** (2018) A novel adaptation of quantile regression framework for assessing the association and concordance between different biomedical outcomes given covariates [Invited], at *APHA*, San Diego.
- **Li, R.**, Huang, X., and Cortes, J. (2017) Quantile residual life regression with longitudinal biomarker measurements for dynamic prediction [Invited topic contributed], at *JSM*, Baltimore, Maryland.
- **Li, R.** (2017) Assessment of agreement for clinical and lab data: history and recent advances [Invited discussant], at *2017 ICOSA*, Chicago.
- **Li, R.** and Cheng, Y. (2017) Flexible association modelling and prediction with semi-competing risks data [Invited], at *2017 Conference on Lifetime Data Science*, Connecticut
- **Li, R.**, Huang, X., and Cortes, J. (2017) Quantile residual life regression with longitudinal biomarker measurements for dynamic prediction [Invited], at *CCTS-BERD seminar*, UTHealth, Houston, Tx.
- **Li, R.**, Huang, X., and Cortes, J. (2016) Quantile residual life regression with longitudinal biomarker measurements for dynamic prediction [Invited], at *ICOSA*, Atlanta, GA.
- **Li, R.**, Huang, X., and Cortes, J. (2016) Quantile residual life regression with longitudinal biomarker measurements for dynamic prediction [Invited], at *Department of Mathematics*, University of Houston.

- **Li, R.**, Huang, X., and Cortes, J. (2016) Quantile residual life regression with longitudinal biomarker measurements for dynamic prediction [Invited poster], at *ENAR*, Austin, TX.
- **Li, R.** and Peng, L. (2015) Assessing quantile prediction with censored quantile regression models [Invited], at *Houston Area Chapter of the American Statistical Association (HACASA)*, Houston, TX.
- **Li, R.** and Peng, L. (2015) Assessing quantile prediction with censored quantile regression models [Invited], at *Joint Statistical Meetings*, Seattle.
- **Li, R.**, Cheng, Y., Chen, Q., Fine, J. (2015) Quantile association with bivariate survival data [Invited], at *ICSA Applied Statistics Symposium, Fort Collins, Colorado*.
- **Li, R.** and Peng, L. (2015) Assessing quantile prediction with censored quantile regression models [Invited], at *Division of Quantitative Sciences, MD Anderson Cancer Center?*.
- **Li, R.** and Peng, L. (2014) Quantile Regression Adjusting for Dependent Censoring from Semi-Competing Risks [Invited], at *ICSA-KISS Applied Statistics Symposium, Portland, OR*.
- **Li, R.**, Belle, S., Chen, L., Zhang, S., Squires, S. (2013) Heterogeneous clinical courses among PALF patients with an indeterminate diagnosis: a growth mixture model approach. [Invited] at *PALF steering committee meeting*.
- **Li, R.**, Cheng, Y. and Fine, J.P. (2013) Quantile association regression models [Invited], at *Division of Biostatistics, The University of Texas School of Public Health*.
- **Li, R.**, Cheng, Y. and Fine, J.P. (2013) Quantile association regression models [Invited], at *Statistical Modeling, Theory & Application Conference, Shanghai, China*.
- **Li, R.** and Peng, L. (2013) Assessing quantile prediction with censored quantile regression models [Contributed], at *Joint Statistical Meetings, Montreal, Canada*.
- **Li, R.** and Peng, L. (2013) Assessing quantile prediction with censored quantile regression models [Invited], at *IMS-China International Conference on Statistics and Probability, Chengdu, China*.
- **Li, R.** and Peng, L. (2013) Assessing quantile prediction with censored quantile regression models [Invited], at *Frontiers in Applied and Computational Mathematics, New Jersey Institute of Technology*.
- **Li, R.** and Peng, L. (2012) Subdistribution regression with left-truncated semi-competing risks data [Topic Contributed], at *ENAR, Washington, DC*.
- **Li, R.** and Peng, L. (2011) [Invited] Quantile regression for semi-competing risks data, at *Department of Statistics, University of Pittsburgh*.
- **Li, R.** and Peng, L. (2010). Quantile regression adjusting for dependent censoring [Contributed], at *Joint Statistical Meetings, Vancouver, BC, Canada*.
- Peng, L., **Li, R.**, Guo, Y. and Manatunga, A.K. (2010). Assessing the “Broad Sense Agreement” between ordinal and continuous measurements [Contributed], at *ENAR, New Orleans, LA*.
- **Li, R.** and Peng, L. (2009). Quantile regression with left-truncated semi-competing risks data [Contributed], at *Joint Statistical Meetings, Washington, DC*.
- Hanfelt, J.J., **Li, R.**, Pan, Y., and Payment, P. (2009). Robust inference for sparse clustered count data [Contributed], at *ENAR, San Antonio, TX*.
- **Li, R.**, Tsai, K. and Fang, L. (2008). Sensitivity analysis on an IVIVC PK/PD model, at *Merck Research Laboratories, Upper Gwynedd, PA*.