

## Contact Information

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## Education

### **Ph.D., Statistics, Stanford University, 2017**

Ph.D. Minor, Computer Science

Dissertation Title: Evaluating Diagnostics Under Dependency Constraints

Advisers: Lu Tian, Ingram Olkin

### **B.S., Mathematics, Stanford University**

## Current Position

### **Post-doctoral Research Associate**

Department of Statistics, The Wharton School, Aug. 2018–Present

Department of Biostatistics, Harvard School of Public Health, Aug. 2017–Aug.2018

Adviser: Eric Tchetgen Tchetgen

## Publications

- [1] Haben Michael, Suzanne Thornton, Minge Xie, and Lu Tian. Exact inference on the random-effects model for meta-analyses with few studies. *Biometrics*, 2018.
- [2] Eric J. Tchetgen Tchetgen, Haben Michael, and Yifan Cui. Marginal structural models for time-varying endogenous treatments: A time-varying instrumental variable approach. Technical report, Department of Statistics, The Wharton School, September 2018. arXiv:1809.05422.
- [3] Haben Michael, Lu Tian, and Musie Ghebremichael. The ROC curve for regularly measured longitudinal biomarkers. *Biostatistics*, page kxy010, 2018.
- [4] Haben Michael and Lu Tian. Discussion of “A risk-based measure of time-varying prognostic discrimination for survival models,” by C. Jason Liang and Patrick J. Heagerty”. *Biometrics*, 73(3), 2017.
- [5] Haben Michael, Yifan Cui, and Eric J. Tchetgen Tchetgen. Identification and estimation of linear marginal structural models for time-varying endogenous treatments: A time-varying instrumental variable approach. In progress, 2018.
- [6] Haben Michael, Yifan Cui, and Eric J. Tchetgen Tchetgen. Efficient and robust estimation of marginal structural models for time-varying endogenous treatments. In progress, 2018.

- [7] Yifan Cui, Haben Michael, and Eric J. Tchetgen Tchetgen. Estimation of failure time marginal structural models for time-varying endogenous treatments. In progress, 2018.
- [8] Haben Michael and Eric J. Tchetgen Tchetgen. Principled covariate adjustment for treatment comparisons in RCTs without blinding. In progress, 2018.
- [9] Joseph Makhema et al. Impact of a universal HIV test and treat strategy on population HIV incidence in a community-randomized trial. Submitted to the New England Journal of Medicine, September 2018.

## Invited Talks

### **Weighted K-Means Clustering with Dynamic Programming Solution.**

Meta-Research Innovation Center at Stanford Forum  
Stanford, CA, 2016

### **Instrumental Variable Estimation of a Cox Marginal Structural Model with Endogenous Time-Varying Exposure.**

Recent advances in causal inference for survival analysis, ENAR  
Philadelphia, PA, 2019

## Referee Experience

*The American Statistician, Journal of the Royal Statistical Society, Statistics in Medicine, Statistical Methods in Medical Research*

## Teaching (Stanford)

<b>Instructor</b>	Statistics 195, R Programming, 2014–2017
<b>Teaching Assistant</b>	Theory of Probability, Stochastic Process II, Unsupervised Learning II, Meta-analysis (occasional lecturing), Multivariate Analysis (occasional lecturing), Data Mining (occasional lecturing)
	Statistics Department Teaching Assistant Award, 2013–14

## References

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