

Saw Swee Hock Public Lecture

Deriving Transportable Knowledge with Multi-institutional Electronic Health Records Data



by **Tianxi Cai, ScD**

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**August 17, 2022 (Wednesday)
9:00am - 10:00am**

By Zoom: <https://hku.zoom.us/j/93478352357>
Meeting ID: 934 7835 2357

About the Talk

The growing availability of electronic health records (EHR) data opens up opportunities for biomedical research that improves patient care. Generalizable knowledge can be derived from multi-institutional EHR data. Transporting EHR-driven algorithms across healthcare systems, however, is highly challenging due to the inherent heterogeneity in the coding systems, patient population, and healthcare delivery patterns. In this talk, I will discuss opportunities for learning with multi-view EHR data and methods for addressing challenges arising from heterogeneity and data sharing constraints.

About the Speaker

Dr. Tianxi Cai is the John Rock Professor of Population and Translational Data Sciences jointly appointed in the Department of Biostatistics at the Harvard T.H. Chan School of Public Health and the Department of Biomedical Informatics, Harvard Medical School. She received her Doctoral degree in biostatistics from Harvard in 1999 and taught at the University of Washington for two years before returning to Harvard as a faculty member. Dr. Cai has served as an Associate Editor for Biometrics and is currently serving as Associate Editor for journals including the Journal of the American Statistical Association Theory and Methods, Statistics in Biosciences, and Journal of the Royal Statistical Society Series B (Statistical Methodology). Dr. Cai is a fellow of American Statistical Association. She also received the Myrto Lefkopoulou Distinguished Lectureship from Harvard University in 2014. Dr. Cai's current research focuses mainly in the areas of risk prediction and personalized medicine with biomarkers and genomic studies; statistical and machine learning, analysis of electronic health records data.



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All interested are welcome

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