Division of Biostatistics, IHE
Medical College of Wisconsin presents

Scalable Competing Risk Modeling for Administrative Databases and Disease Registries

By: Wenbo Wu, PhD (c).

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Tuesday, April 12th | 3:30PM -

Competing risks, i.e., terminal events of distinct failure types (e.g., different causes of death), are omnipresent in large-scale administrative records and disease registries. The increasing availability of data facilitates a comprehensive investigation on competing risks in various contexts, potentially leading to evidence-informed healthcare policy, improved clinical practice, and a deeper understanding of critical issues in population health. On the other hand, the growing volume of data, high-dimensional parameter space, and complexity of modeling necessitate methodological advances beyond existing analytical frameworks. In this talk, I will discuss scalable statistical and computational methods for assessing the performance of healthcare providers (e.g., Medicare-certified dialysis facilities), studying the cause-specific etiology of a fatal disease (e.g., breast cancer), and understanding the dynamic impact of a health crisis (e.g., COVID-19).

Wenbo Wu, PhD (c).

Wenbo Wu is a Ph.D. candidate in Biostatistics and Scientific Computing in the Department of Biostatistics and the Michigan Institute for Computational Discovery & Engineering at the University of Michigan. His current research synthesizes state-of-the-art methods from statistics, computational science,

-Madison, M.A. in Labor Economics from the Central University of Finance and Economics (China), and B.A. in Financial Management from Tianjin University (China).

Location: Zoom | https://mcw-edu.zoom.us/j/99853549981?pwd=Vm5kK3RNTjNVQ1YxSkdDdnJicFlMZz09

Please contact Chelsea Rowley for additional event information at Crowley@mcw.edu.