



Department of Health Informatics and Data Science and Center for Health Outcome and Informatics Research

HEALTH INFORMATICS SEMINAR SERIES

Presents:

“Healthcare Analytics with Bandits and Transfer Learning”

Abstract: *Small data problems frequently arise in healthcare due to imbalanced or delayed outcomes, making statistical inference challenging. A promising approach to addressing these issues is to leverage adaptive data collection (bandits) in tandem with auxiliary data sources (transfer learning). I will overview recent techniques and algorithms with applications to personalized interventions, clinical trial designs with surrogates, as well as a large-scale targeted COVID-19 screening system in Greece.*

Speaker: **Hamsa Bastani, PhD**

Assistant Professor of Operations Information and Decisions
Wharton School, University of Pennsylvania

When: **Wednesday, May 19, 2021 11:00 am – 12:00 pm**

Join via Zoom Link: <https://luc.zoom.us/j/84839350096>

About the Speaker: Hamsa Bastani, PhD, is an Assistant Professor in Operations Information and Decisions at the Wharton School, University of Pennsylvania. Her research focuses on developing novel machine learning algorithms for data-driven decision-making, with applications to healthcare operations, pricing, recommendation systems, and social good. Her work has been recognized by the George Nicholson, MSOM, Service Science, and Health Applications Society best student paper awards, the Pierskalla best paper award in healthcare operations, and the early-career People’s Choice award in sustainable operations. She previously completed her PhD at Stanford University, and was a Herman Goldstine postdoctoral fellow at IBM Research.

Approval: This educational activity conforms to the guidelines required for an educational program to receive CME Category 1 credit. Your activity was approved for 1 category 1 credits towards the AMA Physician’s Recognition Award.

* Visit [here](#) to watch previous presentations and to find more information about future Seminars.

