Workshop on Missing Data Challenges
in Computation, Statistics and Applications

Agenda

March 16, 2020
Opening Remarks
9:00am | West Building Lecture Hall

Statistical modeling and missing data
Rod Little, Keynote 1
9:15am | West Building Lecture Hall

Break
10:15am | West Building Lecture Hall

Supervised learning with missing values
Julie Josse
10:45am | West Building Lecture Hall

To be announced
Barbara Englehardt
11:45am | West Building Lecture Hall

Lunch
12:30pm | Simons Hall Dining Hall
Kosuke Imai
2:00pm | West Building Lecture Hall

Causal inference with binary outcomes subject to both missingness and misclassification
Grace Yi
3:00pm | West Building Lecture Hall

Tea Break
4:00pm | Fuld Hall Common Room

Co-manifold learning with missing data
Eric Chi
4:30pm | West Building Lecture Hall

March 17, 2020
Model-based clustering of high-dimensional data: Pitfalls & solutions
David Dunson, Keynote 2
9:15am | West Building Lecture Hall

Break
10:15am | West Building Lecture Hall

Regularization and spurious correlations in sparse single-cell transcriptomes
Mickey Atwal
10:45am | West Building Lecture Hall
Gene expression recovery in single cell transcriptomic data
Nancy Zhang
11:45am | West Building Lecture Hall

Lunch
12:30pm | Simons Hall Dining Hall

Statistical challenges with single cell RNA-Seq technologies
Rafael Irizarry, Keynote 3
2:30pm | West Building Lecture Hall

Tea Break
3:30pm | Fuld Hall Common Room

Poster Session
Various
4:00pm | Simons Hall Dining Hall

March 18, 2020
Metric and manifold repair for missing data
Anna Gilbert, Keynote 4
9:15am | West Building Lecture Hall

Break
10:15am | West Building Lecture Hall

Learning with aggregated data; a tale of two approaches
Sanmi Koyejo
10:45am | West Building Lecture Hall
High-dimensional omics data analysis with missing values
Anru Zhang
11:45am | West Building Lecture Hall

Lunch
12:30pm | Simons Hall Dining Hall

What is the role of curvature in complexity of optimization on manifolds?
Nicolas Boumal
2:00pm | West Building Lecture Hall

Low-rank matrix recovery from quantized or count observations
Mark Davenport
3:00pm | West Building Lecture Hall

Tea Break
4:00pm | Fuld Hall Common Room

Low Algebraic Dimension Matrix Completion
Laura Balzano
4:30pm | West Building Lecture Hall