2019 Biostatistics Student Research Symposium Program
Location: One Capitol Square, 830 E Main Street, 12th Floor Conference Room

Friday, August 23, 2019

9:30-9:35  Welcoming Remarks
9:35-9:50  Overview of a UNOS Internship: Four Years Working with the Transplant Community
Victoria Garcia (Advisor: Adam Sima)
9:50-10:05  A Comparison of Electronic Medical Record Data and Medicare Claims Data
Alicia Johns (Advisor: Leticia Moczygemba)
10:05-10:20  TADcompare: an R package for differential analysis of Topologically Associated Domains
Kellen Cressell (Advisor: Mikhail Dozmorov)
10:20-10:35  Estimating knots in bilinear spline growth mixture models with time-invariant covariates in the framework of individual measurement occasions
Jin Liu (Advisor: Robert Perera)
10:35-10:50  Break
10:50-11:05  Adjusting Response Adaptive Allocation for Subject Dropout
Katharine Stromberg (Advisor: Adam Sima)
11:05-11:20  Multivariate Bayesian Multiple Imputation Using Weighted Quantile Sum Regression: A Simulation Study
Paul Hargarten (Advisor: David Wheeler)
11:20-11:35  Two-part mixed effects mixture model for zero-inflated longitudinal compositional data.
Viviana Alejandra Rodriguez (Advisor: Nitai Mukhopadhyay)
11:35-11:50  Integrated Multiple Adaptive Clinical Trial Design Involving Sample Size Re-Estimation and Response-Adaptive Randomization for Continuous Outcomes
Christine Orndahl (Advisor: Robert Perera)
11:50-12:35  Lunch Break
12:35-12:50  Computational Prediction of Boundaries of 3D Genomic Domains in Class Imbalance Settings
Spiro Stilianoudakis (Advisor: Mikhail Dozmorov)
12:50-1:05  A new estimation method for the semiparametric accelerated mixture cure model
Jonathan Yu (Advisors: Dipankar Bandyopadhyay, Steve Chiou, Dr. Le Kang)
1:05-1:20  Matrix-Variate Skew-t Models for Big Data with the Distributed EM Algorithm, with Applications
Rueben Retnam (Advisor: Dipankar Bandyopadhyay)
1:20-1:35  Estimating Responder Statuses in Sequential Multiple Assignment Randomized Trials (SMARTs)
Keighly Bradbrook (Advisor: Roy T. Sabo)
1:35-1:45  Concluding Remarks

Friday, August 30, 2019

9:30-9:35  Welcoming Remarks
9:35-9:50  A natural lead-in approach to response-adaptive allocation
Erin Donahue (Advisor: Roy T. Sabo)
9:50-10:05  Effects of microbiome filtering on downstream analyses
Xinxin Sun (Advisor: Ekaterina Smirnova)
10:05-10:20  Testing and Validating Prospective Classification of Patients into Lymphocyte Trajectory-Based Groupings
Brielle Forsthoffer (Advisor: Roy T. Sabo)
10:20-10:35  Quantifying power of differential analysis of interactions within the 3D structure of the genome
Matt Carli (Advisor: Mikhail Dozmorov)
10:35-10:50  Break
10:50-11:05  Impact of Childhood Obesity on Adulthood Health via Growth Curve Modeling Given Data MAR
Alicia Richards (Advisors: Yongyun Shin, Shumei Sun)
Salem Rustom (Advisor: Robert Perera)
Martin Lavallee (Advisors: Shanshan Chen, Adam Sima)
11:35-11:45  Concluding Remarks