2020 Biostatistics Student Research Symposium Program

Location: Zoom

Friday, August 21, 2019

Friday, August 28, 2019

9:00-9:05	Welcoming Remarks	9:00-9:05	Welcoming Remarks
9:05-9:20	Understanding Algorithms to Adjusting Clinician Panel Size in	9:05-9:20	Estimation method for the semiparametric accelerated mixture
	Primary Care Practices		cure model with informative cluster size
	Martin Lavallee (Advisor: Roy T. Sabo)		Jonathan W. Yu (Advisor: Dipankar Bandyopadhyay)
9:20-9:35	Integrated Multiple Adaptive Clinical Trial Design Involving	9:20-9:35	Providing a better tool for modeling risk of elevated blood lead
	Sample Size Re-Estimation and Response-Adaptive		levels across the United States
	Randomization for Continuous and Binary Outcomes		Joseph Boyle (Advisor: David Wheeler)
	Christine Orndahl (Advisor: Robert Perera)	9:35-9:50	Power to Detect Main and Interaction effects of Two or More
9:35-9:50	A Prediction-based Replacement Algorithm for Adaptive		Treatment levels on a Binary Outcome in an Unbalanced Cluster
	Allocation of Severely Delayed Outcome Data via Regularization		Randomized Trial
	Salem Rustom (Advisor: Robert Perera)		Dongho Shin (Advisor: Yongyun Shin)
9:50-10:05	Prognostic Modeling of Recovery Following Bone Marrow	9:50-10:05	Sing-Index Cure Model
	Transplantation		Jing Zhang (Advisor: Dipankar Bandyopadhyay)
	Brielle Forsthoffer (Advisor: Roy T. Sabo)	10:05-10:20	Break
10:05-10:20	Break	10:20-10:35	Influence of clinical characteristics and patient demographics on
10:20-10:35	preciseTAD: A machine learning framework for precise TAD		aggressive end of life care
	boundary prediction at base level resolution		Dustin Bastaich (Advisor: Donna McClish)
	Spiro Stilianoudakis (Advisor: Mikhail Dozmorov)	10:35-10:50	Assessing the impact of censoring on the survival prognostic
10:35-10:50	R Package Development for Grouped Weighted Quantile Sum		accuracy measure
	Regression Implemented in the Frequentist and Bayesian		Shannon Moldowan (Advisor: Le Kang)
	Frameworks	10:50-11:05	A comparison of sample size calculation methodologies for Phase
	Matt Carli (Advisor: David Wheeler)		II Clinical Trials
10:50-11:05	Replication Crisis: Defining Replication		Chen Wang (Advisor: Roy T. Sabo)
	Alicia Richards (Advisor: Robert Perera)	11:05-11:20	Break
11:05-11:20	Break	11:20-11:35	An adaptive method for covariate balancing in block randomized
11:20-11:35	Distributed Skewed and Heavy-Tailed Multivariate		clinical trials
	Longitudinal Regression Models		Rebecca Rasnick (Advisors: Adam Sima, Leroy
	Reuben Retnam (Advisor: Dipankar Bandyopadhyay)		Thacker)
11:35-11:50	Detecting Wake After Sleep Onset using Actigraphy Data	11:35-11:50	Robust quantile estimation of the Brief Test of Adult Cognition
	Xinxin Sun (Advisor: Shanshan Chen)		by Telephone (BTACT) battery
11:50-12:00	Concluding Remarks		Serenity Budd (Advisor: Adam Sima)
		11:50-12:05	Survival with Total Artificial Heart (TAH)
			Atika Farzana Urmi (Advisor: Leroy Thacker)
		12:05-12:15	Concluding Remarks

