

	Room L South	Room L North	Room M	Room N	Room P	Room Q
Breakfast / Q&A 8:00 - 9:00						Ask Me Anything Charlton McIlwain
Plenary 1 9:00 - 10:15	Shaping the Future of AI in Healthcare Nigam Shah					
Break 10:15 - 10:30	Break					
Session 1 10:30 - 11:20	Introduction to AI in Medical Imaging Todd Parrish & Aggelos Katsaggelos	First Steps with R Christina Maimone	Building CARDIAC (Cardiovascular Digital AI Core): A Service Line Datamart for Quality, Reporting, & Research Faraz Ahmad	A Pythonic Journey from Scientific Data Visualization to Broadly Data Science Wenjun Kou	Machine Learning in Bioinformatics: Introduction and Applications Ramana Davuluri	Biostat Basics: Some Practical Things to Know Nina Srdanovic
			Enabling Predictive Analytics in the Enterprise: Lessons Learned from Implementing Epic's Cognitive Computing Platform Anthony Wong	InvenioRDM: A Next-Generation Repository for Research Data Management Matt Carson	Breaking Data Silos: the Gen3 Platform for Creating Data Commons Chris Meyer	
Session 2 11:30 - 12:20	A Simple Introduction to Python Andre Archer	Evaluating AI/NLP in Healthcare: Reference Standards and Outcome Measures Brett South	Data Exploration, Predictive Modeling, and Machine Learning with SAS Viya for Learners Jacqueline Johnson	Easy Data Visualization Using ggplot2 in R Andrew Skol	Combining Data: We build Our Own Functional Enrichment Tool Thomas Stoeger	White Hat P-Hacking: Bayesian Parables to Understand the Reproducibility Crisis Omkar Venkatesh
						Introduction to NLP Services in AWS Randy Ridgley
Lunch 12:30 - 1:30	Ask Me Anything Nigam Shah	Getting Started with SAS Viya Jacqueline Johnson			Open Discussion Reproducible Research Interest Group	Getting Started with AWS Randy Ridgley
Session 3 1:30 - 2:20	When AI Meets Healthcare Big Data Yuan Luo	Taking Care of Vizness: Graphing and Reporting with R Shannon Haymond	Using R to Process and Analyze Accelerometer Data David Aaby	Supervised Machine Learning - Tuning Support Vector Machines Asma Mustafa	Demonstrating Ceto, a Modular Suite of Pipelines for Next Generation Sequence Analysis Elizabeth Bartom	Pragmatic Reproducible Research for Data Scientists Luke Rasmussen
						Overview of Causal Inference Concepts for Data Scientists Lucia Petito
Session 4 2:30 - 3:20	The Good, the Bad and the Ugly: A Primer on the Wild West of Electronic Health Record Data Theresa Walunas & Abel Kho	Analyzing Human Behavior and Lifestyle Using Wearable Sensors Rawan Alharbi	From MIMIC-III to Model: Building a Workflow to Model Raw Retrospective Clinical Data Garett Eickelberg	Predicting Severe Sepsis in a Children's Hospital L. Nelson Sanchez-Pinto et al	Building a Community for Development of Open Source Genomics Platform Michael Bouzinier	Probabilistic Programming for Bayesian Inference Using Rstan Kyle Honegger
				Application of Topic Modeling and Information Theory for Clustering Single Cell RNA-Seq Datasets Ziyou Ren	Making Sense of Big Data: Estimating the Intrinsic Dimensionality of Multi-Electrode Neural Recordings Ege Altan	
				Heart Rate Variability Dysfunction is Associated with Outcomes in Critically Ill Children Colleen Badke		
Break 3:20 - 3:40	Break					
Plenary 2 3:40 - 4:45	Modern Problems: Race & Our Data Science Past, Present & Future Charlton McIlwain					
Reception 4:45 - 6pm						