POPULATION AND QUANTITATIVE HEALTH SCIENCES

Quantitative Methods Core Methods Seminars

Tuesday, April 2, 2019
12:00-1:00pm
Albert Sherman Center, AS9.2072

"Model-based Approaches for Data Visualization Ability Assessment"

Presented by: Lane Harrison, PhD

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Data visualization is making strides in delivering new tools, techniques, and systems to analysts engaged in data analysis and communication. But providing more options leads to a paradox of choice- how do creators of data visualizations navigate the tradeoffs and uncertainty between available design and techniques? One promising approach towards addressing this growing problem is to quantify and model how people use and interpret data visualizations. In this talk I'll share recent developments ranging from modeling low-level perceptual task performance in visualization, to quantifying aspects of higher level behavior like engagement in interactive visualizations. Re-centering visualization on user abilities not only aids creators in designing data visualizations, but also leads to new opportunities for next-generation visualization tools, techniques, and systems.

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Lunch will be provided, please RSVP to Sandra Manning (Sandra.manning@umassmed.edu)