Applications of Statistics and Data Science in Healthcare

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This talk will showcase an application of an advanced statistical method called high-dimensional propensity score matching used to assess the effectiveness of a healthcare advocacy intervention on client health outcomes. We will walk through the intervention evaluation process covering study design, data preparation and analysis, statistical model building, and interpretation of results. If time permits, I will give an overview of health economics and outcomes research (HEOR) studies conducted using real world data to assess the effectiveness of cancer treatments.

Date: Tuesday October 29
Time: 7:00 pm
Place: Park 328