CHERISH

Center for Health Economics of Treatment Interventions for Substance Use Disorder, HCV, and HIV

A methodology research seminar

Introduction and Application of Copulas in Cost-effectiveness Analysis (Part I)

Monday, January 25, 2027
4:00 p.m. to 5:00 p.m. (ET)

Save the date

What You'll Learn

Copulas is a statisical tool that has been applied across a broad range of fields to model multivariate dependence separately from the marginal distributions of individual outcomes. In substance use disorder trials, where analysts commonly encounter complex statistical challenges, including nonlinear dependence between health economic measures (e.g., quality-of-life scores, cumulative healthcare costs), copulas offer a highly flexible statistical approach for identifying and modeling these relationships. This session will introduce the basic theory of copulas and examine their use in statistical inference for cost-effectiveness analyses of substance use disorder treatment interventions.

Speaker



Ali Jalali, PhD
Assistant Professor of Population Health Sciences
Weill Cornell Medicine

Register

bit.ly/4iPEYTy

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