BIOSTATISTICS SEMINAR



Disentangling Confounding and Nonsense Associations due to Dependence

Abstract:

Elizabeth L. Ogburn, PhD Associate Professor of Biostatistics Johns Hopkins University Nonsense associations can arise when an exposure and an outcome of interest exhibit similar patterns of dependence. Confounding is present when potential outcomes are not independent of treatment. This talk will describe how confusion about these two phenomena results in shortcomings in popular methods in two areas: causal inference with multiple treatments and unmeasured confounding and causal and statistical inference with social network data. For each of these areas I will demonstrate the flaws in existing methods and describe new methods that were inspired by careful consideration of dependence and confounding.

September 30, 2021

I 33 Rosenua Hall 3:30-4:30 PM

Zoom Link: https://unc.zoom.us/j/93545206596? pwd=N1IKeVZjSFhuM2IhSDJCWjN3c21BUT09 Meeting ID: 935 4520 6596 Passcode: 823321



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