



Department of Mathematical Sciences

Fall 2015

Colloquium Series

Friday, November 13, 2015 at 3pm in Bell Hall 143

Dr. Joseph Kang

The Centers for Disease Control and Prevention

Understanding causal inference methods with the propensity score

Observational studies require adjustments for confounding factors. Since the inception of the propensity score in the 80's, various methods with different forms of the propensity score have been developed and used. In particular, the inverse propensity weighting (IPW) method has been applied to the epidemiological research of HIV/AIDS. The IPW method has received both critical and favorable receptions. A most frequently cited paper that criticizes the IPW method was written by Kang and Schafer (2007). Recently a paper by Kang et al. (2014) mentioned the first author's updated view on the IPW method. In this talk, the first author of these two papers will explain the reason why his view on the IPW method has changed over the years and share his insight on the practice of the IPW method.

For further information, please contact Dr. Emil Schwab, eschwab@utep.edu