

Propensity Scores Reading List (example only)

August 29, 2019

Overview

<i>Title</i>	<i>First Author</i>	<i>Publication Date</i>
1. An Introduction to Propensity Score Methods for Reducing the Effects of Confounding in Observational Studies	Peter C. Austin	May 2011
2. A Practical Guide to Getting Started with Propensity Scores	Thomas Gant	2017
3. Utilizing propensity score analyses to adjust for selection bias: A study of adolescent mental illness and substance use	Deanna Schreiber-Gregory	2016
4. Propensity score methods for confounding control in non-experimental research.	Alan Brookhart	2013
5. A tutorial and case study in propensity score analysis: An application to estimating the effect of in-hospital smoking cessation counseling on mortality	Peter C. Austin	2011
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Summaries

General Propensity Score

1. Austin PC. [An Introduction to propensity score methods for reducing the effects of confounding in observational studies](#). Multivariate Behav Res. 2011 May;46(3):399-424.
Comments: A general review on PS.
2. Gant T, Crowland K. [A practical guide to getting started with propensity scores](#). SAS White Paper 689-2017.
Comments: This paper introduces tools to begin using propensity scoring in SAS to answer research questions involving observational data. It provides a brief introduction to the concept of propensity scores, and then turns its attention to giving you tips and resources that will help you get started. It is very useful for people who have never used propensity scores.
3. Schreiber-Gregory D. [Utilizing propensity score analyses to adjust for selection bias: A study of adolescent mental illness and substance use](#). SAS White Paper 11901-2016.
Comments: This is an interesting one that presents each step of the analysis, and gives SAS codes.
4. Brookhart MA, Wyss R, Layton JB, Sturmer T. [Propensity score methods for confounding control in non-experimental research](#). Circ Cardiovasc Qual Outcomes. 2013 Sept 1;6(5):604-611.
Comments: I like this one very much. I have attached a [SAS code from this paper](#). Given a propensity score, treatment effects are usually estimated by matching, weighting, stratification or adjustment for the PS in a multivariable regression model. This paper gives me a brief idea of how to use these four methods in SAS.
5. Austin PC. A tutorial and case study in propensity score analysis: [An application to estimating the effect of in-hospital smoking cessation counseling on mortality](#). Multivariate Behavioral Research. 2011; 46:119–151.
Comments: This paper introduces a case study for propensity scores step by step. It is easy to follow and covers the most topics in propensity score.