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978-1-107-06507-9 - Counterfactuals and Causal Inference: Methods and Principles for Social Research:  
Second Edition

Stephen L. Morgan and Christopher Winship

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## COUNTERFACTUALS AND CAUSAL INFERENCE

*Second Edition*

In this completely revised and expanded second edition of *Counterfactuals and Causal Inference*, the essential features of the counterfactual approach to observational data analysis are presented with examples from the social, demographic, and health sciences. Alternative estimation techniques are first introduced using both the potential outcome model and causal graphs; after which conditioning techniques, such as matching and regression, are presented from a potential outcomes perspective. For research scenarios in which important determinants of causal exposure are unobserved, alternative techniques, such as instrumental variable estimators, longitudinal methods, and estimation via causal mechanisms, are then presented. The importance of causal effect heterogeneity is stressed throughout the book, and the need for deep causal explanation via mechanisms is discussed.

Stephen L. Morgan is the Bloomberg Distinguished Professor of Sociology and Education at Johns Hopkins University. He was previously the Jan Rock Zubrow '77 Professor in the Social Sciences and the director of the Center for the Study of Inequality at Cornell University. His current areas of interest include social stratification, the sociology of education, and quantitative methodology. He has published *On the Edge of Commitment: Educational Attainment and Race in the United States* (2005) and, as editor, the *Handbook of Causal Analysis for Social Research* (2013).

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# Counterfactuals and Causal Inference

*Methods and Principles for Social Research*

*Second Edition*

**STEPHEN L. MORGAN**

*Johns Hopkins University*

**CHRISTOPHER WINSHIP**

*Harvard University*



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To my wife, Sydney, my son, Vinny, and my daughter, Beatrix  
– Steve Morgan

To my wife, Nancy, and my sons, David and Michael  
– Chris Winship

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