

ROSENBAUM

"In this timely book Paul Rosenbaum lets you in on a secret: the most important ideas in statistics can be clearly explained in plain English, with little or no math. Rosenbaum takes a layered approach to teaching causal analysis, first explaining the intuition behind the most important estimators in use today, and then providing a minimal amount of mathematics to further explain the concepts. The exposition is vividly illustrated throughout with important applications of statistics to key questions of causality in public health, economics, political science, psychology, and many other fields."

—ALAN B. KRUEGER,
Princeton University

"Paul Rosenbaum's clear explanations, applied examples, and intuitive description of methods such as randomized trials, propensity scores, matching, and instrumental variables make this an excellent introduction to causal inference for a broad range of readers, including those with no technical background."

—ELIZABETH A. STUART, Johns Hopkins
Bloomberg School of Public Health

"His earlier writings having captivated a generation of causal inference methodologists, Rosenbaum has now written an authoritative and largely non-technical book explaining causal inference in the social and medical sciences. Combining artful explanations with vivid examples from a range of disciplines, *Observation and Experiment* creates a clearly signed path through causality's shifting sands."

—BEN HANSEN,
University of Michigan

"Rosenbaum's book is, as would be expected, a carefully and precisely written treatment of its subject, reflecting superb statistical understanding, all communicated with the skill of a master teacher."

—STEPHEN M. STIGLER, author of
The Seven Pillars of Statistical Wisdom

Observation & Experiment




Harvard