

# CONTENTS

<i>Preface</i>		<i>ix</i>
INTRODUCTION	Mind over Data	1
CHAPTER 1	The Ladder of Causation	23
CHAPTER 2	From Buccaneers to Guinea Pigs: The Genesis of Causal Inference	53
CHAPTER 3	From Evidence to Causes: Reverend Bayes Meets Mr. Holmes	93
CHAPTER 4	Confounding and Deconfounding: Or, Slaying the Lurking Variable	135
CHAPTER 5	The Smoke-Filled Debate: Clearing the Air	167
CHAPTER 6	Paradoxes Galore!	189
CHAPTER 7	Beyond Adjustment: The Conquest of Mount Intervention	219
CHAPTER 8	Counterfactuals: Mining Worlds That Could Have Been	259
CHAPTER 9	Mediation: The Search for a Mechanism	299
CHAPTER 10	Big Data, Artificial Intelligence, and the Big Questions	349
<i>Acknowledgments</i>		371
<i>Notes</i>		373
<i>Bibliography</i>		377
<i>Index</i>		405