Short Contents

	Preface	xvii
CHAPTER 1	Thinking Clearly in a Data-Driven Age	1
PART I	**ESTABLISHING A COMMON LANGUAGE**	11
CHAPTER 2	Correlation: What Is It and What Is It Good For?	13
CHAPTER 3	Causation: What Is It and What Is It Good For?	37
PART II	**DOES A RELATIONSHIP EXIST?**	53
CHAPTER 4	Correlation Requires Variation	55
CHAPTER 5	Regression for Describing and Forecasting	74
CHAPTER 6	Samples, Uncertainty, and Statistical Inference	94
CHAPTER 7	Over-Comparing, Under-Reporting	113
CHAPTER 8	Reversion to the Mean	138
PART III	**IS THE RELATIONSHIP CAUSAL?**	157
CHAPTER 9	Why Correlation Doesn't Imply Causation	159
CHAPTER 10	Controlling for Confounders	193
CHAPTER 11	Randomized Experiments	218
CHAPTER 12	Regression Discontinuity Designs	243

CHAPTER 13	Difference-in-Differences Designs	266
CHAPTER 14	Assessing Mechanisms	290
PART IV	**FROM INFORMATION TO DECISIONS**	303
CHAPTER 15	Turn Statistics into Substance	305
CHAPTER 16	Measure Your Mission	336
CHAPTER 17	On the Limits of Quantification	357
	Index	371