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Models; 1.5 CAUSAL VERSUS STATISTICAL TERMINOLOGY; Causal versus Statistical Concepts; Two Mental Barriers to Causal Analysis; CHAPTER TWO A Theory of Inferred Causation; Preface  
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4.1 INTRODUCTION; 4.1.1 Actions, Acts, and Probabilities; 4.1.2 Actions in Decision Analysis; 4.1.3 Actions and Counterfactuals  
4.2 CONDITIONAL ACTIONS AND STOCHASTIC POLICIES

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## Sommario/riassunto

Written by one of the preeminent researchers in the field, this book provides a comprehensive exposition of modern analysis of causation. It shows how causality has grown from a nebulous concept into a mathematical theory with significant applications in the fields of statistics, artificial intelligence, economics, philosophy, cognitive science, and the health and social sciences. Judea Pearl presents and unifies the probabilistic, manipulative, counterfactual, and structural approaches to causation and devises simple mathematical tools for studying the relationships between causal connections and statistical associations. Cited in more than 2,100 scientific publications, it continues to liberate scientists from the traditional molds of statistical thinking. In this revised edition, Judea Pearl elucidates thorny issues, answers readers' questions, and offers a panoramic view of recent advances in this field of research. Causality will be of interest to students and professionals in a wide variety of fields. Dr Judea Pearl has received the 2011 Rumelhart Prize for his leading research in Artificial Intelligence (AI) and systems from The Cognitive Science Society.

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