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Nota di contenuto	Chapter 1. Bateson's Model of the Mind and the Fundamental Conjecture on Cognition -- Chapter 2. Beginning the Operationalization Process. First Step: Descriptions. From Dimensions to Objects -- Chapter 3. Second Step: Definition. From Objects to Concepts -- Chapter 4. Communication. Signs and Languages. .
Sommario/riassunto	This brief presents an overview of Gregory Bateson's Constructivist method of Cognition. Bateson proposes a theory of cognition that is based on the abstract notion of difference that the mind distinguishes and perceives and represents information that constitutes and separates how different states are ordered, grouped, and classified. Bateson, however, does not clearly indicate how a cognitive system can develop a knowledge of reality from the perception of these differences. This book seeks to offer a scientific approach to

Constructivism. Using Bateson's hypothesis, chapters discuss how our mind distinguishes and elaborates differences, allowing us to form perceptions of objects, and how these objects can be described and compared. Chapters also discuss how from differences, it is possible to construct concepts or ideas of how these can be defined and how to derive from these differences the meanings of the signs used for the structuring of languages. The brief offers a coherent structure of propositions that form an interpretative theory of the modus operandi of the human mind, which will be useful not only in shedding light on our cognitive processes, but also in laying the formal groundwork for artificial intelligence. Constructing Reality is a must-have resource for researchers and students of the cognitive sciences, as well as education sciences, and researchers and scholars of artificial intelligence, learning theory, and intelligent automata programming.
