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	Nota di contenuto	Contents; 1. INTRODUCTION AND BASIC CONCEPTS; 1.1 Classification and cognition: an overview; 1.1.1 Concepts and categories; 1.1.2 Approaches to categorization: two theoretical traditions; 1.1.3 Categorization and induction; 1.1.4 Remarks on theoretical style; 1.2 The array model framework; 1.2.1 Representation: attributes, dimensions, and features; 1.2.2 The problem of access to memory; 1.2.3 Comparison and similarity; 1.2.4 The product rule for patterns of binary-valued attributes; 1.2.5 The core model for classification Appendix 1.1 Union and intersection rules for computation of pattern similarity Appendix 1.2 Attentional learning in the exemplar model; 2. CATEGORY STRUCTURES AND CATEGORIZATION; 2.1 Similarity in theories of classification; 2.1.1 The core model applied to a natural category; 2.1.2 From similarity to response probability; 2.1.3 An alternative measure of similarity: the contrast model; 2.2 Predicting categorization performance; 2.2.1 The simplest categorization model in

the array framework; 2.2.2 On category structures and conceptual levels ; 3. MODELS FOR CATEGORY LEARNING
3.1 The exemplar-similarity model 3.1.1 Augmentations of the core model; 3.1.2 Categorization and identification; 3.1.3 Similarity and cognitive distance; 3.1.4 Status of the exemplar-similarity model; 3.2 Network-based learning models; 3.2.1 A simple adaptive network model; 3.2.2 The similarity-network model; 3.2.3 Pattern to feature transfer; Appendix 3.1 Categorization probability for the exemplar model in relation to initial memory load; Appendix 3.2 Similarity-network output and learning functions for standard four-pattern categorization
Appendix 3.3 Additional details of Experiment 3.1 procedure 4. CATEGORIZATION AND MEMORY PROCESSING; 4.1 Concurrent categorizations; 4.2 Categorization with constraints on memory; 4.2.1 Categorization with constrained repetition lags; 4.2.2 Categorization based on short-term memory; 4.2.3 Analyses of response frequency data; 4.2.4 Analyses of reaction times; 4.3 A modular view of exemplar and network models; Appendix 4.1 Method of Experiment 4.1; Appendix 4.2 Learning about invalid cues in concurrent categorizations: Experiment 4.2
Appendix 4.3 Method of Experiment 4.4: categorization in short-term memory 5. ON THE STORAGE AND RETRIEVAL OF CATEGORICAL INFORMATION; 5.1 Standard versus observational training procedures; 5.1.1 Method for comparison of training procedures; 5.1.2 Results for comparisons of training procedures; 5.2 Learning on the basis of average or configural prototypes; 5.3 Inducing prototypes; 5.4 Predicting features from categories; 5.4.1 Feature-frequency estimates based on long-term memory; 5.4.2 Feature-frequency estimates based on shorter-term memory; 5.5 Pattern completion
Appendix 5.1 Induction of prototypes in a correlated-feature category structure: Experiment 5.1

| Sommario/riassunto | Based on the Fitts Lectures, this volume presents a core set of concepts and principles that proposes a unified interpretation of a wide variety of phenomena of memory, categorization and decision-making. These theories are then applied to issues in category-learning and recognition. |