## Semantic Cognition



## Semantic Cognition\_下载链接1\_

著者:Timothy T. Rogers

出版者:The MIT Press

出版时间:2006-1-20

装帧:Paperback

isbn:9780262681575

This groundbreaking monograph offers a mechanistic theory of the representation and use of semantic knowledge, integrating the strengths and overcoming many of the weaknesses of hierarchical, categorization-based approaches, similarity-based approaches, and the approach often called "theory theory." Building on earlier models by Geoffrey Hinton in the 1980s and David Rumelhart in the early 1990s, the authors propose that performance in semantic tasks arises through the propagation of graded signals in a system of interconnected processing units. The representations used in performing these tasks are patterns of activation across units, governed by weighted connections among them. Semantic knowledge is acquired through the gradual adjustment of the strengths of these connections in the course of day-to-day experience. The authors show how a simple computational model proposed by Rumelhart exhibits a progressive differentiation of conceptual knowledge, paralleling aspects of cognitive development seen in the work of Frank Keil and Jean Mandler. The authors extend the model to address aspects of conceptual knowledge acquisition in infancy, disintegration of conceptual knowledge in dementia, "basic-level" effects and their interaction with expertise, and many findings introduced to support the idea that

semantic cognition is guided by naive, domain-specific theories.
作者介绍:
目录:
Semantic Cognition_下载链接1_
标签
评论
 Semantic Cognition_下载链接1_
书评
 Semantic Cognition_下载链接1_
Semantic cognition_   +xxx1x1_