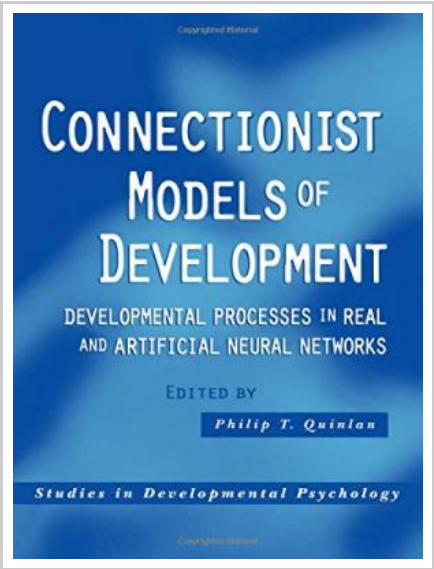

Connectionist Models of Development: Developmental Processes in Real and Artificial Neural Networks (Hardback)

By -

Taylor Francis Ltd, United Kingdom, 2003. Hardback. Book Condition: New. 234 x 155 mm. Language: English . Brand New Book. Connectionist Models of Development is an edited collection of essays on the current work concerning connectionist or neural network models of human development. The brain comprises millions of nerve cells that share myriad connections, and this book looks at how human development in these systems is typically characterised as adaptive changes to the strengths of these connections. The traditional accounts of connectionist learning, based on adaptive changes to weighted connections, are explored alongside the dynamic accounts in which networks generate their own structures as learning proceeds. Unlike most connectionist accounts of psychological processes which deal with the fully-mature system, this text brings to the fore a discussion of developmental processes. To investigate human cognitive and perceptual development, connectionist models of learning and representation are adopted alongside various aspects of language and knowledge acquisition. There are sections on artificial intelligence and how computer programs have been designed to mimic the development processes, as well as chapters which describe what is currently known about how real brains develop. This book is a much-needed addition to the existing literature on connectionist development as...

Reviews

This publication may be really worth a go through, and a lot better than other. It really is writter in simple terms and never difficult to understand. Once you begin to read the book, it is extremely difficult to leave it before concluding.
-- ***Natalie Abbott***

This book will not be simple to get going on reading but extremely exciting to read through. Yes, it can be play, still an interesting and amazing literature. I am very easily could possibly get a delight of reading a written book.
-- ***Rene Olson***