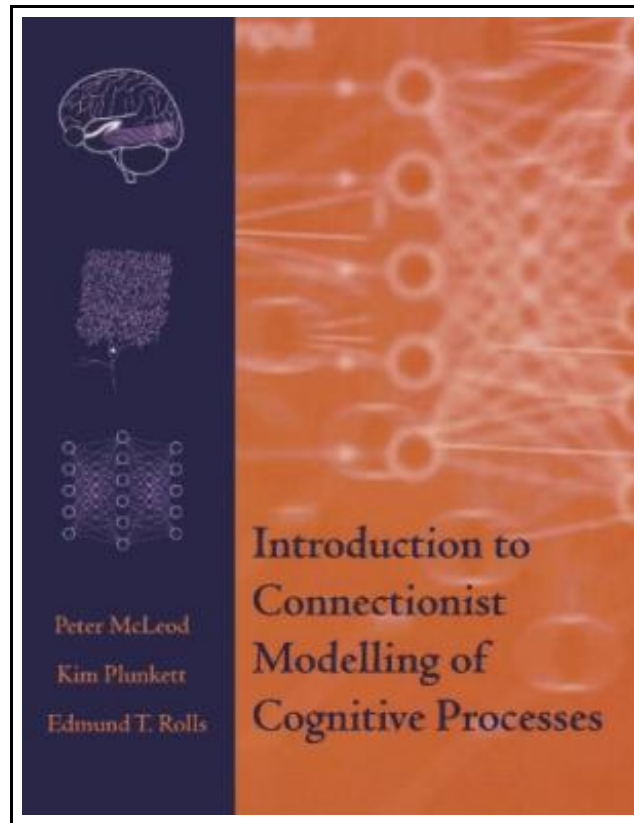# Introduction to Connectionist Modelling of Cognitive Processes

Filesize: 4.32 MB

Reviews

A whole new eBook with a brand new point of view. It is really simplistic but surprises in the fifty percent of the publication. I am just effortlessly can get a delight of looking at a written ebook.
(Mariano Gleichner)

INTRODUCTION TO CONNECTIONIST MODELLING OF COGNITIVE PROCESSES

Oxford University Press. Paperback. Book Condition: new. BRAND NEW PRINT ON DEMAND., Introduction to Connectionist Modelling of Cognitive Processes, Kim Plunkett, Peter McLeod, Edmund T. Rolls, Connectionism is a way of modelling how the brain uses streams of sensory inputs to understand the world and produce behaviour, based on cognitive processes which actually occur. This book describes the principles, and their application to explaining how the brain produces speech, forms memories and recognises faces, how intellect develops, and how it deteriorates after brain damage. Part I explores the basic concepts, the architecture and properties of the most common connectionist models, and how connectionist learning rules work. Part II describes and evaluates connectionist models of a variety of cognitive processes, including the learning and production of speech, the formation of episodic memories and visual representations, the development of cognitive processes in infancy, and their breakdown in brain-damaged patients. The models range from some well-known classics to others at the frontiers of current research. Each chapter ends with a list of recommended further reading. Also included is a disk with the software for running tlearn, a user-friendly simulator for connectionist modelling of cognitive processes, which will run on either PCs or Macs. The software includes exercises to introduce the simulator, and working copies to explore some of the models described in the text. A reference handbook for tlearn is included to enable readers to build their own models. The authors, as well as being leading researchers in their field, have extensive experience of teaching connectionism to undergraduates. They have written the first comprehensive, up-to-date textbook on connectionist modelling, designed specifically for advanced undergraduates, and accessible to those with only limited knowledge of mathematics. This will be an essential introductory text for all students in psychology or cognitive science taking a course on...

Read Introduction to Connectionist Modelling of Cognitive Processes Online

Download PDF Introduction to Connectionist Modelling of Cognitive Processes

Other Kindle Books

Mass Media Law: The Printing Press to the Internet (Paperback)

Peter Lang Publishing Inc, United States, 2013. Paperback. Book Condition: New. New.. 251 x 175 mm. Language: English . Brand New Book. Digital media law is now the dynamic legal territory. Mass Media Law: The...

Read Document »

Music for Children with Hearing Loss: A Resource for Parents and Teachers (Paperback)

Oxford University Press Inc, United States, 2014. Paperback. Book Condition: New. 228 x 156 mm. Language: English . Brand New Book. Written by an expert in the field who is both a teacher and a...

Read Document »

Water From The Well: Sarah, Rebekah, Rachel, and Leah

HarperOne. Hardcover. Book Condition: New. 0060737964 Never Read-12+ year old Hardcover book with dust jacket-may have light shelf or handling wear-has a price sticker or price written inside front or back cover-publishers mark-Good Copy- I...

Read Document »

The Story of Patsy (Illustrated Edition) (Dodo Press) (Paperback)

Dodo Press, United Kingdom, 2007. Paperback. Book Condition: New. Illustrated. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Kate Douglas Wiggin, nee Smith (1856-1923) was an American children s...

Read Document »

The Well-Trained Mind: A Guide to Classical Education at Home (Hardback)

WW Norton Co, United States, 2016. Hardback. Book Condition: New. 4th Revised edition. 244 x 165 mm. Language: English . Brand New Book. The Well-Trained Mind will instruct you, step by step, on how to...

Read Document »