Beyond the Cognitive Map: From Place Cells to Episodic Memory (Hardback)

By A.David Redish

MIT Press Ltd, United States, 1999. Hardback. Book Condition: New. 239 x 196 mm. Language: English . Brand New Book. There are currently two major theories about the role of the hippocampus, a distinctive structure in the back of the temporal lobe. One says that it stores a cognitive map, the other that it is a key locus for the temporary storage of episodic memories. A. David Redish takes the approach that understanding the role of the hippocampus in space will make it possible to address its role in less easily quantifiable areas such as memory. Basing his investigation on the study of rodent navigation -- one of the primary domains for understanding information processing in the brain -- he places the hippocampus in its anatomical context as part of a greater functional system. Redish draws on the extensive experimental and theoretical work of the last 100 years to paint a coherent picture of rodent navigation. His presentation encompasses multiple levels of analysis, from single-unit recording results to behavioral tasks to computational modeling. From this foundation, he proposes a novel understanding of the role of the hippocampus in rodents that can shed light on the role of the hippocampus in...

READ ONLINE
[5.89 MB]

Reviews

This written book is excellent. It really is rally fascinating throgh studying period. You are going to like the way the writer write this publication.
-- Hadley Ullrich

I just started out looking at this ebook. This can be for those who statte there had not been a worthy of reading through. You can expect to like the way the blogger publish this ebook.
-- Dr. Freddie Greenholt Jr.

Other Books

The Adventures of a Plastic Bottle: A Story about Recycling (Paperback)

SIMON SCHUSTER, United States, 2009. Paperback. Book Condition: New. Children s Tk, Pete Whitehead (illustrator). Original ed.. 203 x 196 mm. Language: English . Brand New Book. Learn about recycling from a new perspective! Peek into this diary of a plastic bottle...

Design Collection Creative Cloud Revealed Update (Mixed media product)

Cengage Learning, Inc, United States, 2013. Mixed media product. Book Condition: New. 239 x 193 mm. Language: English . Brand New Book. Your Adobe Creative Cloud package includes two components: 1) Online access to Adobe Creative Cloud updates on your CourseMate product,...

A Smarter Way to Learn JavaScript: The New Approach That Uses Technology to Cut Your Effort in Half (Paperback)

Createspace, United States, 2014. Paperback. Book Condition: New. 251 x 178 mm. Language: English . Brand New Book ***** Print on Demand *****.The ultimate learn-by-doing approachWritten for beginners, useful for experienced developers who want to sharpen their skills and don t mind...

Kindergarten Culture in the Family and Kindergarten; A Complete Sketch of Froebel s System of Early Education, Adapted to American Institutions. for the Use of Mothers and Teachers (Paperback)

Rarebooksclub.com, United States, 2012. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****.This historic book may have numerous typos and missing text. Purchasers can download a free scanned copy of the original...

From Kristallnacht to Israel: A Holocaust Survivor s Journey (Paperback)

Dog Ear Publishing, United States, 2009. Paperback. Book Condition: New. 226 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.In the 1930s, as evil begins to envelope Europe, Karl Rothstein is born in Austria. As his life...

Talking Digital: A Parent s Guide for Teaching Kids to Share Smart and Stay Safe Online (Paperback)

Createspace, United States, 2014. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book. It is time for the digital talk. Today, kids are growing up in a wired world. Their online interactions, the good and the bad,...