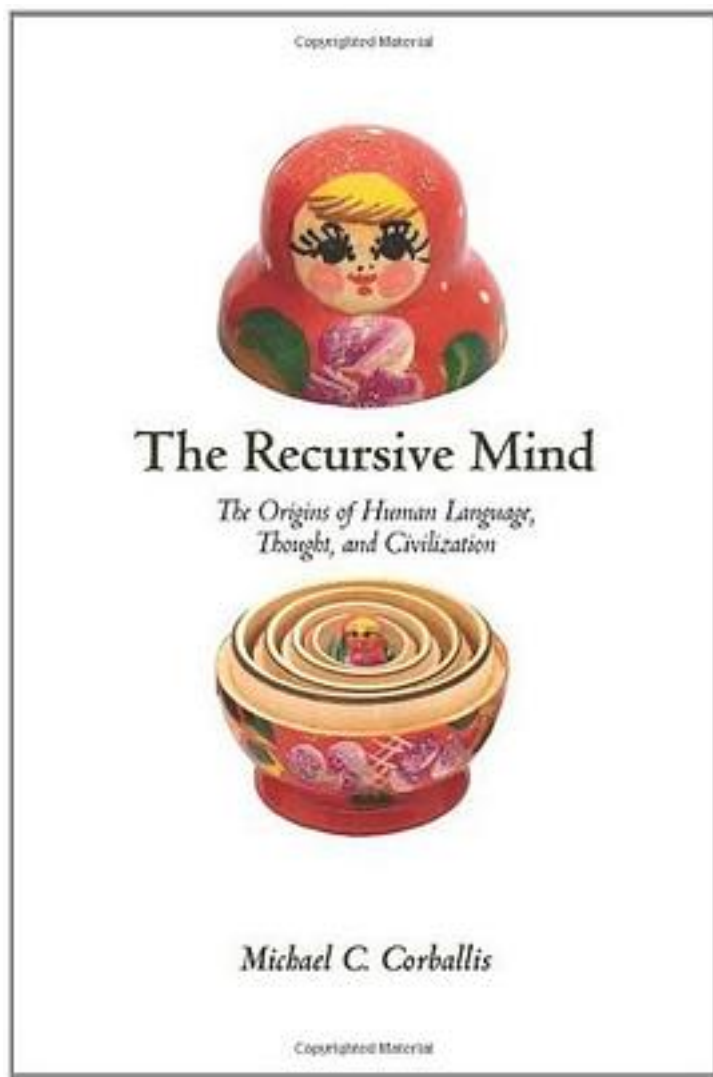


The Recursive Mind



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"The Recursive Mind" challenges the commonly held notion that language is what makes us uniquely human. In this compelling book, Michael Corballis argues that what distinguishes us in the animal kingdom is our capacity for recursion: the ability to embed our thoughts within other thoughts. 'I think, therefore I am', is an example of recursive thought, because the thinker has inserted himself into his thought. Recursion enables us to conceive of our own minds and the minds of others. It also gives us the power of mental 'time travel' - the ability to insert past experiences, or imagined future ones, into present consciousness. Drawing on neuroscience, psychology, animal behavior, anthropology, and archaeology, Corballis demonstrates how these recursive structures led to the emergence of language and speech, which ultimately enabled us to share our thoughts, plan with others, and reshape our environment to better reflect our creative imaginations. He shows how the recursive mind was critical to survival in the harsh conditions of the Pleistocene epoch, and how it evolved to foster social cohesion. He traces how language itself adapted to recursive thinking, first through manual gestures, then later, with the emergence of Homo sapiens, vocally. Toolmaking and manufacture arose, and the application of recursive principles to these activities in turn led to the complexities of human civilization, the extinction of fellow large-brained hominins like the Neandertals, and our species' supremacy over the physical world.

作者介绍:

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标签

语言学

认知科学

脑科学

科普

数学

评论

一本开头蛮精彩收尾些许草草的文科生的进化论著作吧，考虑到这是一本2011年出版的书，引用的案例和证据却大多是30年前的，就已经跟生物学家和行为学家和认知科学家差好几个研究层次啦，可以说相当过时啊。人的进化、人之为人，不是用一个简单的recursive mind就能说明白。

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