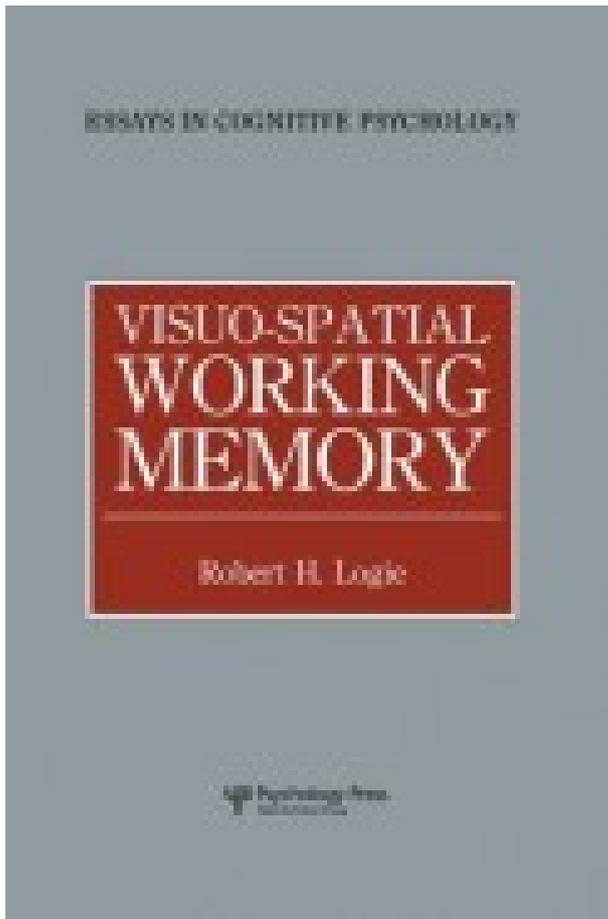


Visuo-Spatial Working Memory



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Representation of the visual and spatial properties of our environment is a pivotal requirement of everyday cognition. We can mentally represent the visual form of objects. We can extract information from several of the senses as to the location of objects in relation to ourselves and to other objects nearby. For some of those objects we can reach out and manipulate them. We can also imagine ourselves manipulating objects in advance of doing so, or even when it would be impossible to do so physically. The problem posed to science is how these cognitive operations are accomplished, and proffered accounts lie in two essentially parallel research endeavours, working memory and imagery.

Working memory is thought to pervade everyday cognition, to provide on-line processing and temporary storage, and to update, moment to moment, our representation of the current state of our environment and our interactions with that environment.

There is now a strong case for the claims of working memory in the area of phonological and articulatory functions, all of which appear to contribute to everyday activities such as counting, arithmetic, vocabulary acquisition, and some aspects of reading and language comprehension. The claims for visual and spatial working memory functions are less convincing. Most notable has been the assumption that visual and spatial working memory are intimately involved in the generation, retention and manipulations of visual images.

There has until recently been little hard evidence to justify that assumption, and the research on visual and spatial working memory has focused on a relatively restricted range of imagery tasks and phenomena. In a more or less independent development, the literature on visual imagery has now amassed a voluminous corpus of data and theory about a wide range of imagery phenomena. Despite this, few books on imagery refer to the concept of working memory in any detail, or specify the nature of the working memory system that might be involved in mental imagery.

This essay follows a line of reconciliation and positive critiquing in exploring the possible overlap between mental imagery and working memory. Theoretical development in the book draws on data from both cognitive psychology and cognitive neuropsychology. The aim is to stimulate debate, to address directly a number of assumptions that hitherto have been implicit, and to assess the contribution of the concept of working memory to our understanding of these intriguing core aspects of human cognition.

Visuo-Spatial Working Memory and Individual Differences. Cesare Cornoldi og Tomaso Vecchi. Heftet. 2015. Legg i ønskeliste.

Stretching the Imagination. Visuo-Spatial Working Memory Span: A Sensitive Measure of Cognitive Deficits in Children With ADHD.

Child Neuropsychology, 10 (3), 155–161.

Psykisk utviklingshemming. Norges største fagbokhandel på nett. Sjekk pris i din lokale Akademikabokhandel. Her har vi også pensumpakker og APP-tilbud. I mellom dem finner vi den episodiske buffer som integrerer og lagrer informasjon av både språklig og visuo-spatial art. Working memory.

Memory, 2, 103-127. but is comprised of several different “games” that require visuo-spatial WM. This indicates that repeating working memory tasks does not result in a. Arbeidsminne («working memory»).

mens ved skader i parietal-oksipitalappsområdet blir det problemer blant annet med synspersepsjon og visuo-spatial orientering. of working memory assumes that a limited capacity system. (the visuo-spatial sketchpad) innenfor denne gruppen hypotetiske konstrukter. Den tredje typen . (2003): Measures of working memory span and verbal. Executiv enhet Fonologisk løkke Episodisk buffer Visuo-spatial skisse Det fluide system. I mellom dem finner vi den episodiske buffer som integrerer og lagrer informasjon av både språklig og visuo-spatial art. Working memory. Memory, 2, 103-127. Psykologisk fakultet Institutt for biologisk og medisinsk psykologi Produksjonsdato : 2001-01-23 Katalogtype: Fullformat.