Introduction

Metacognition is an ability to reflect upon our cognitive processes. Is there a single general metacognitive mechanism or is it a collection of multiple monitoring modules, separate for each cognitive domain?

Methods

40 participants

Meta-d’/d’ (m-ratio) as a measure of metacognitive sensitivity normalized by first-order performance (Maniscalco & Lau, 2012)

Results

One potential divide could stem from two broad categories depending on the source of information: monitoring of externally-generated (i.e., visual metacognition) information and monitoring of internally-generated information (memory metacognition) (Fleming et al, 2014)

Discussion

No support for internal/external grouping
- M-ratio correlations pattern not consistent with it

Other groupings might be more useful:
We suggest that motor domain can form as separate group

References: