

C E N T E R F O R C O G N I T I V E N E U R O S C I E N C E

naturalistic and bottom-up fashion?

ceptual judgment and category formation without a top-down instructional context.

during event processing.

formation. Cognition, 114(2), 165–96.





causality ratings

compared only in participants accurate on non-causal judgments of the relevant statistic **★米** *n* = 57

cause to effect ****** *n* = 24 Thales tilting causes the light to flash. effect to cause *** *** The light flashing causes thales to tilt. 3.5 object to effect ** Thales cause the light to flash. 2.5 object to frequent Thales cause the stars to appear. Ċ obje 1.5 definitely true *** ** p <.01 p<.001

Structured knowledge and novel object kinds can be inferred from visual event streams

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★★ *n* = 14

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Main effect of condition F(1,47) = 12.17, p = .001

(by training order)

non-noticers



Main effect of condition F(1,82) = 8.00 p = .006

Noticing by Condition interaction F(1,129) = 17.80,p < .0001

It should be noted that we did not see this effect in a previous version of this task (with some differences) and thus aim to replicate it.





be generalized across participating events and sensory features. Together, this could account for bottom-up abstraction of sensory experience and the formation of novel kinds generalizing across sensory features.

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