

## What can we infer about mental model updating through eye movements?

### **Experiment 1**

## **Experiment 2**





Figure 1. Participants learned distributions of target dots.

**References**:

Filipowicz, A., Valadao, D., Anderson, B., & Danckert, J. (2016). Rejecting Outliers: Surprising Changes Do Not Always Improve Belief Updating. O'Reilly, J. X., Schüffelgen, U., Cuell, S. F., Behrens, T. E., Mars, R. B., & Rushworth, M. F. (2013). Dissociable effects of surprise and model update in parietal and anterior cingulate cortex. Proceedings of the National Academy of Sciences, 110(38), E3660-E3669.

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![](_page_0_Figure_14.jpeg)

![](_page_0_Picture_15.jpeg)

![](_page_0_Picture_17.jpeg)

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