## Distinguishing response strategies in continuous response tasks:

A geometric LBA approach

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## Conclusions

- The model with 2 response categories has best fit for 38 out of 41 participants. It is unlikely however that all of these participants categorize the response interval into only 2 categories
- Accumulator models may not be able to account for the observed RT distributions

## **Future work**

- Remove symmetry constraints
- Estimate variance in driftrates
- Estimate starting point distributions
- Estimate location of thresholds
- Apply model to perceptual decision-making task

Reference: Kvam, P. D. (2019). A geometric framework for modeling decisions among arbitrarily many alternatives. *Journal of Mathematical Psychology* 91, 14-37