

Category Learning in the Peripheral Vision

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Motivation

Everyday we make category judgments

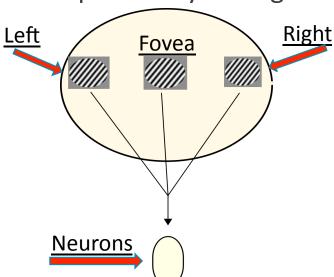


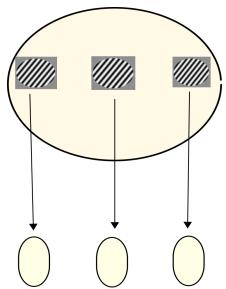




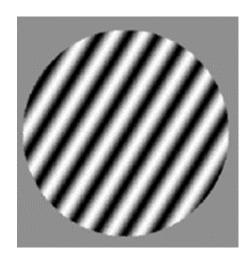
Project Goals

To determine if the left and right visual fields are trained independently during categorization



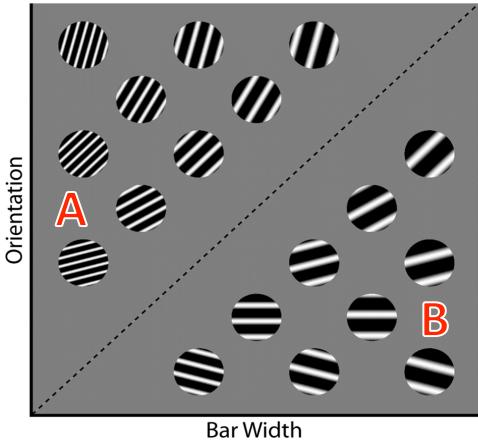


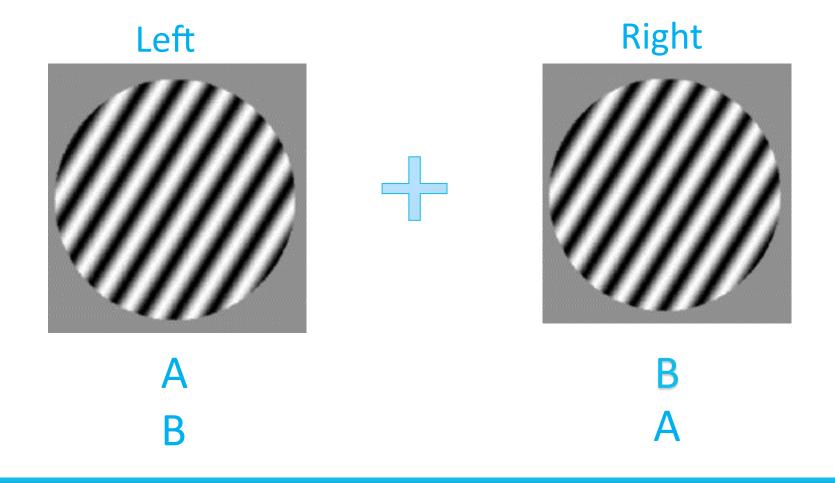
Experimental Method



Gabor Disc

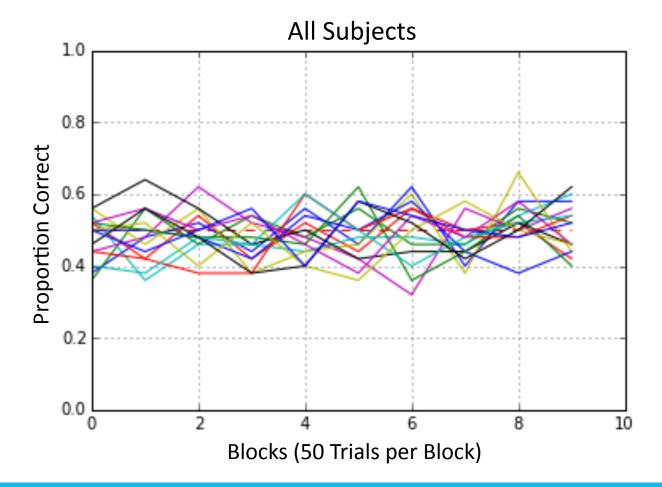
- Learn to categorize discs into one of two categories
- Discs will vary on two different dimensions

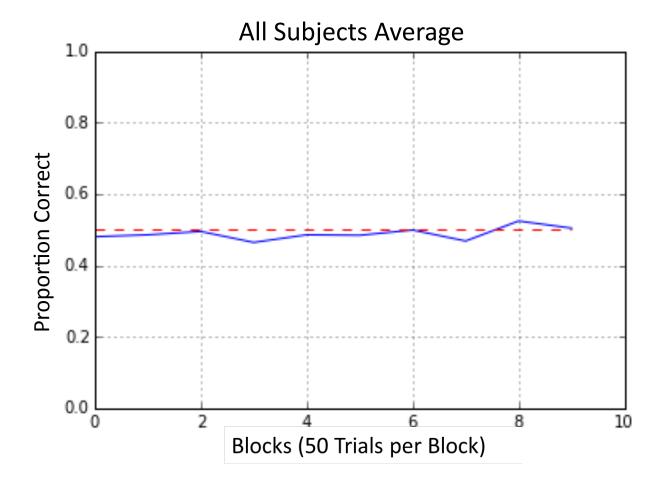




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- 17 subjects
- Around 45 minutes
- 10 blocks of 50 trials
- 500 trials





Discussion & Conclusion

- Data did not support left and right visual fields being trained independently
- Likely conclusion, left and right side are not trained 100% independently

Future Directions

- Eye Tracker
 - Train them on right visual field for 500 trials
 - Test on right and left visual fields
 - If performance is poor on the left side it would imply there is somewhat independent training

Summary

- Learned about categorization
- The importance of research and remodifying experiments
- •Amazing opportunity to work with mentors!



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