# Literature Review on categorization in avian species

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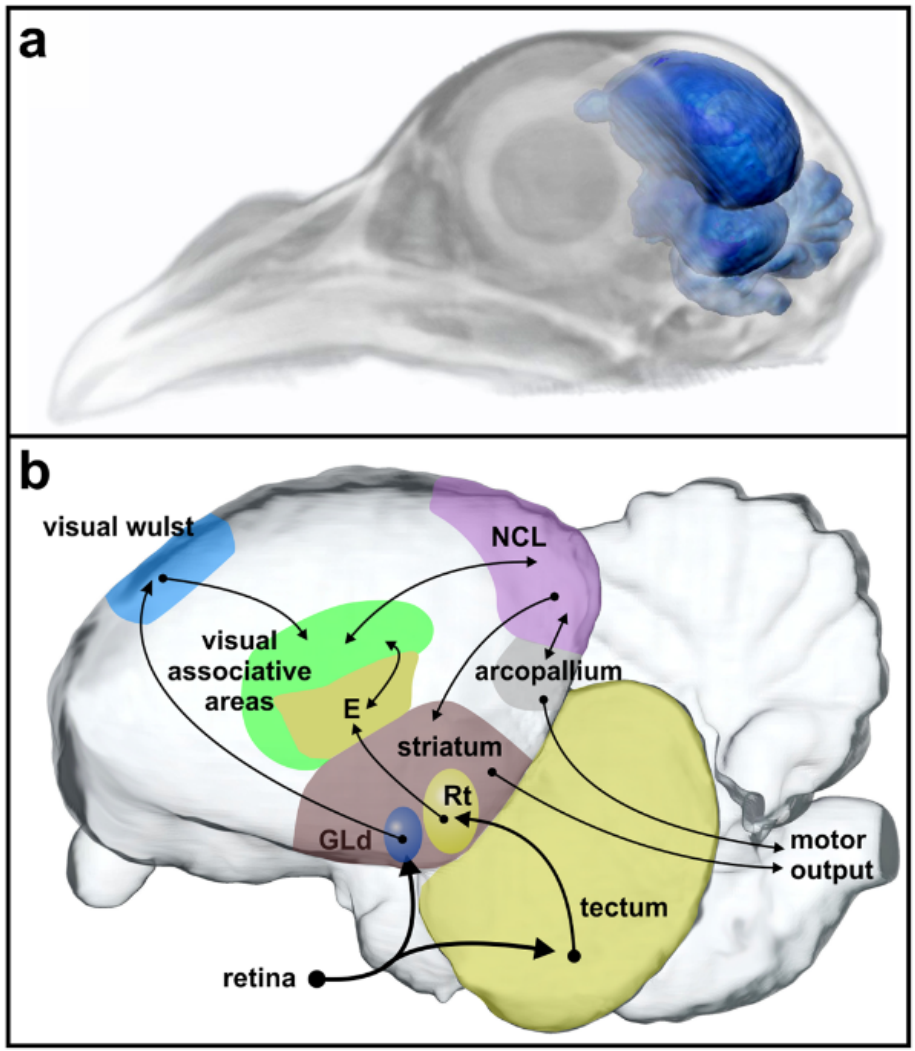
# Introduction

- What is categorization
- Basic idea behind modeling
- Models of categorization

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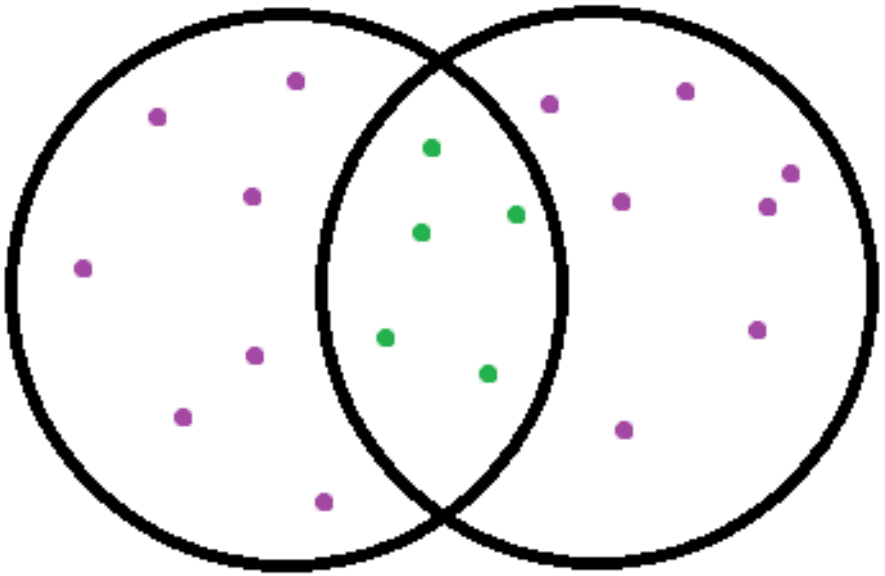
[a] Onur Güntürkün et al. (2018). "The neuroscience of perceptual categorization in pigeons: A mechanistic hypothesis". In:

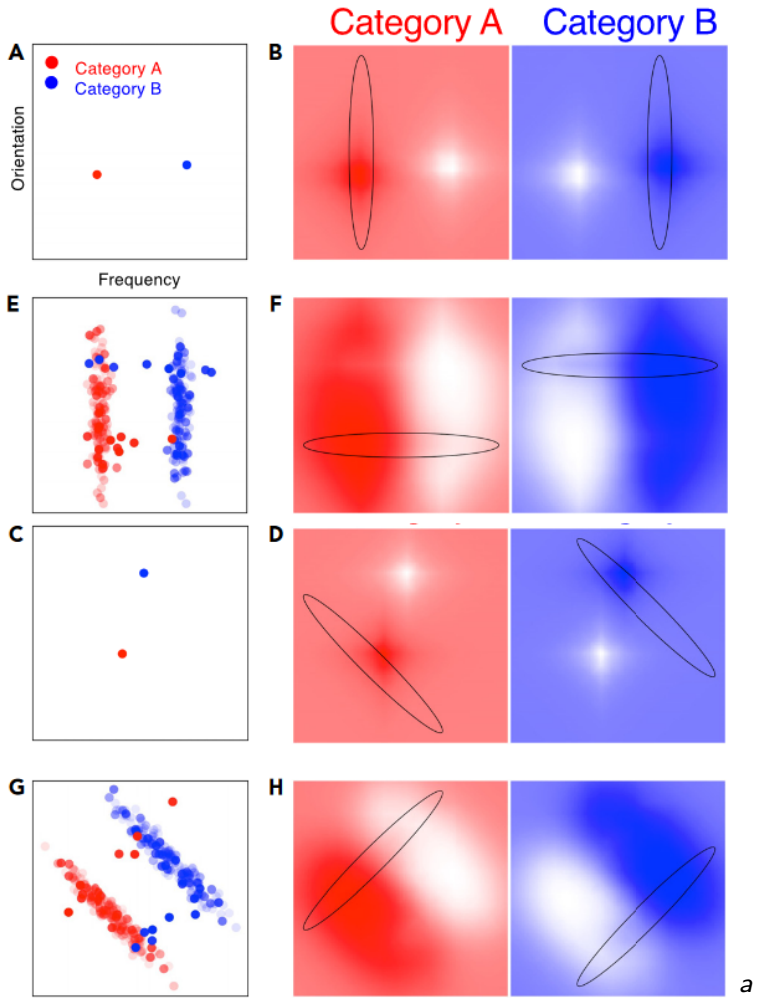
# Common elements approach

- Any stimuli is portrayed as a set of representational elements
- Explains categorization
- Fails to explain identification
- Rescola-Wagner rule fixes the issue



# Attention for categorization

- Pigeons use attention for categorization
- Pigeons are likely to use associative learning rather that form rules



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[a] Turner and Wasserman 2023.

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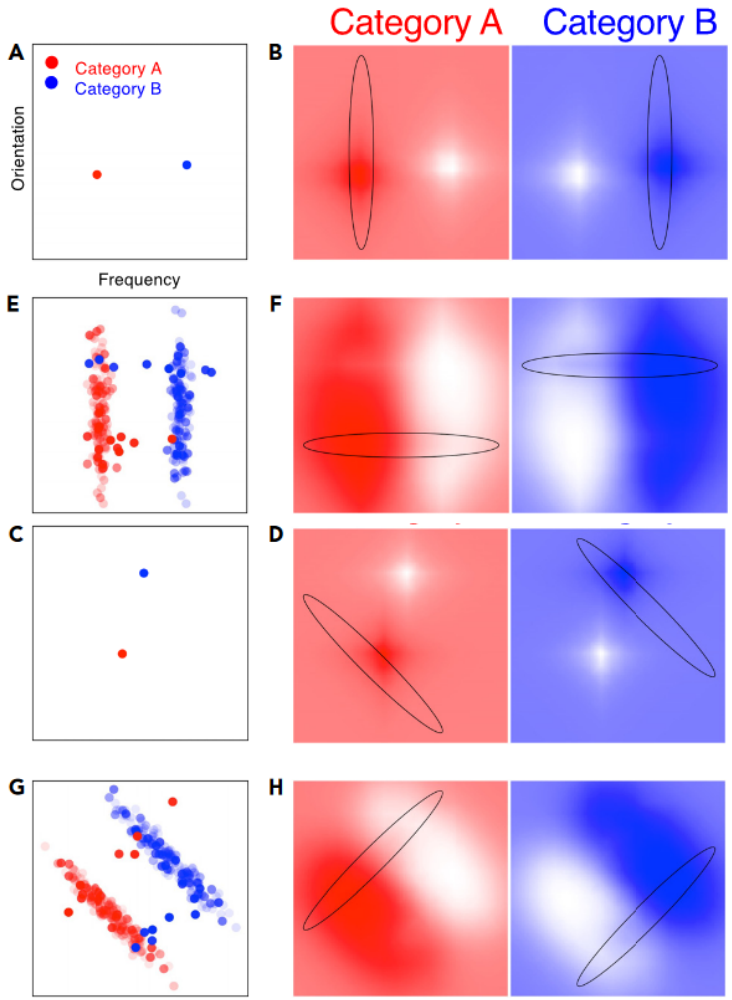


**THANK YOU FOR YOUR ATTENTION**