

# **Teleology and generics**

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## Introduction

Generic statements, such as "Bees have stripes", are supposed to transmit essentialist beliefs about categories.



But is it generics or features that matter?

### Hypotheses:

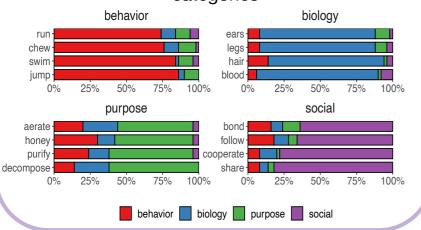
- 1. Teleological properties, what something is for, matter more than other feature types.
- 2. Generic vs. specific form of statement doesn't matter.

### Approach:

- 1. Get features that people view as falling into types.
- 2. Use these in generic and specific statements.
- Change features in transformation cases to determine if that affects categorization.

## **Experiment 1**

Properties that people place into different categories



### **Experiment 2**

Generic/specific statement  $\rightarrow$  Categorize features

Vulpans jump, are warm-blooded, enable decomposition, and share food with group members.



#### Please categorize the following properties in the table below for Vulpans

For each property, indicate whether you think it is best categorized as: a biological property, a behavioral property, a social property, or a property that is related to its purpos

Please select a unique category for each proper

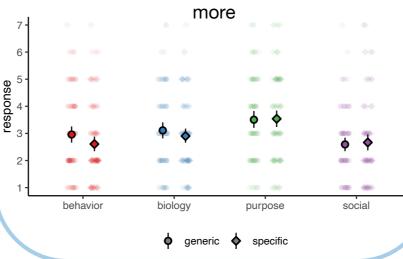
Property	Category			
enable decomposition	<ul> <li>biological</li> </ul>	<ul> <li>behavioral</li> </ul>	o social	O purpose
are warm blooded	<ul> <li>biological</li> </ul>	<ul> <li>behavioral</li> </ul>	o social	O purpose
share food with group members	<ul> <li>biological</li> </ul>	<ul> <li>behavioral</li> </ul>	o social	O purpose
jump	<ul> <li>biological</li> </ul>	<ul> <li>behavioral</li> </ul>	o social	O purpose

### Feature transformation $\rightarrow$ Categorize creature



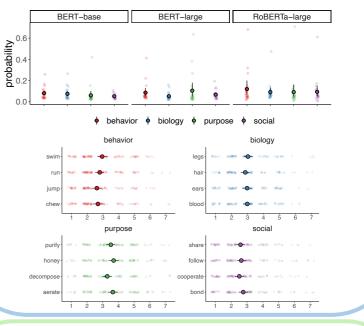
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Generic/specific doesn't matter; Teleology matters



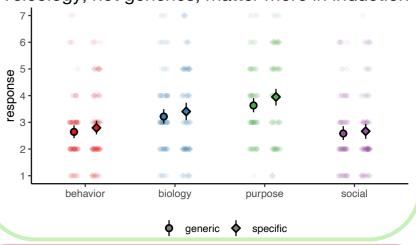
## **Experiment 2 (cont'd)**

Teleology isn't merely more diagnostic



### **Experiment 3**

Teleology, not generics, matter more in induction



# Conclusion



Teleological properties matter more than generics and other feature types. This may be because purposes are treated as essences. Teleological essentialism captures this.