

Generic Statement

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Background

We are interested in studying whether providing different alternative comparison sets to participants would lead them to provide estimates that correspond to their given information.

Our hypothesis

Categories that have higher baseline prevalence rates, when introduced to participants as comparison sets for a novel category, positively correlate the prevalence rate of the novel category to be

Data Collection

We collected our data using Amazon MTurk. Participants for each survey study are randomly assigned to one low-medium-high group across three different features.

Baseline Generic Prevalence Rate Estimation

In this survey ($n =$), we asked participants to first evaluate whether they accept a given generic statement about a category and its feature, getting a True/False response. We then ask them to rate what proportion of members of the said category have this feature. Each participant answered seven questions in total, two questions (evaluating the generic statement and estimating the prevalence rate of F in C) per feature and one attention check question.

Novel Generic Prevalence Rate Estimation

In this survey ($n =$), we introduced participants to novel categories for each feature, controlling for the prevalence rate of each category within feature.

Below are some samples of the MTurk survey that we run:

1. For getting the baseline prevalence rate



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Imagine you are visiting a new country called Akar for the first time. People in Akar don't know any thing about what is going on in your country and are interested to learn more. In this game, you'll be asked to make judgements on some statements .

→

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An Akarian tells you: "I heard that in your country you have something called puppies."

Would you say that "Puppies are friendly?"

Yes

No

☐

☐

→

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What percent of puppies do you think are friendly?

0%

100%

Please drag the slider bar to the percent you find appropriate.

→

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Imagine you are visiting a new country called Akar for the first time. People in Akar speak a language that you don't know. In this game, you'll be introduced to some new words in their language, and asked to make judgments about them.



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2. For



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The Akarians tell you that feps are like goats.

One of the Akarians says that: "feps are friendly."

What percent of feps do you think are friendly?

You can drag the slider bar below to show your results.

0%

100%



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The Akarians tell you that feps are like puppies.
What percent of feps do you think are friendly?

You can drag the slider bar below to show your results.

0% 100%

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3. Control

Data Analysis and Plots

Load libraries

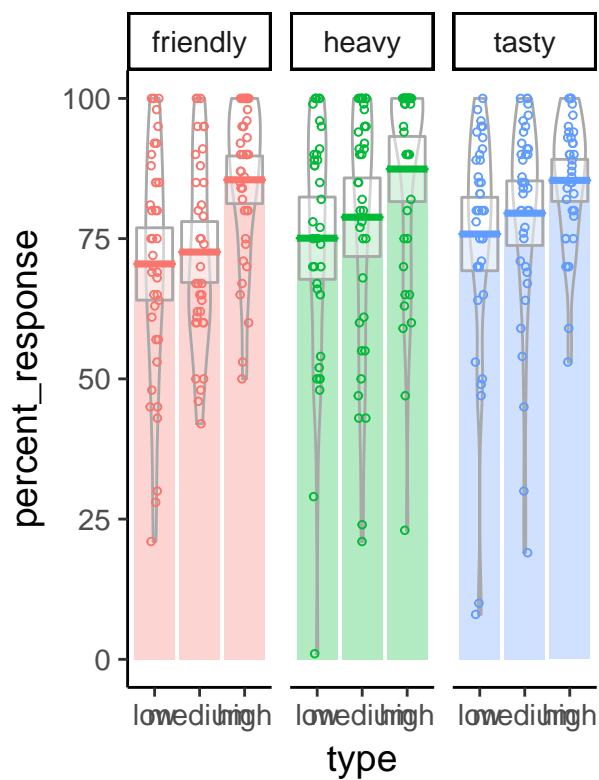
read in data

filter participants who passed attention check

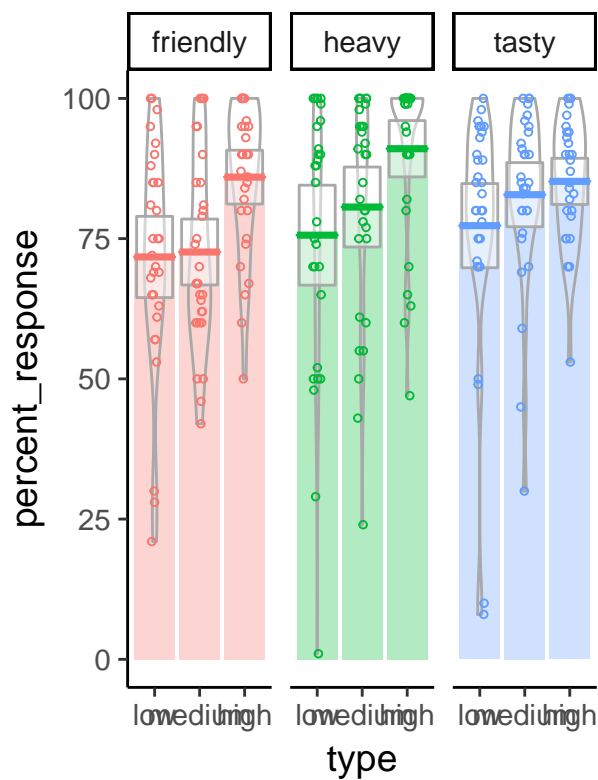
Munge data

In all three surveys, the categories and features we chose are consistent.

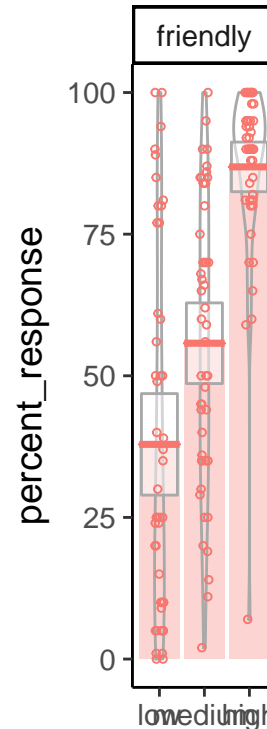
Explicit Generic – All



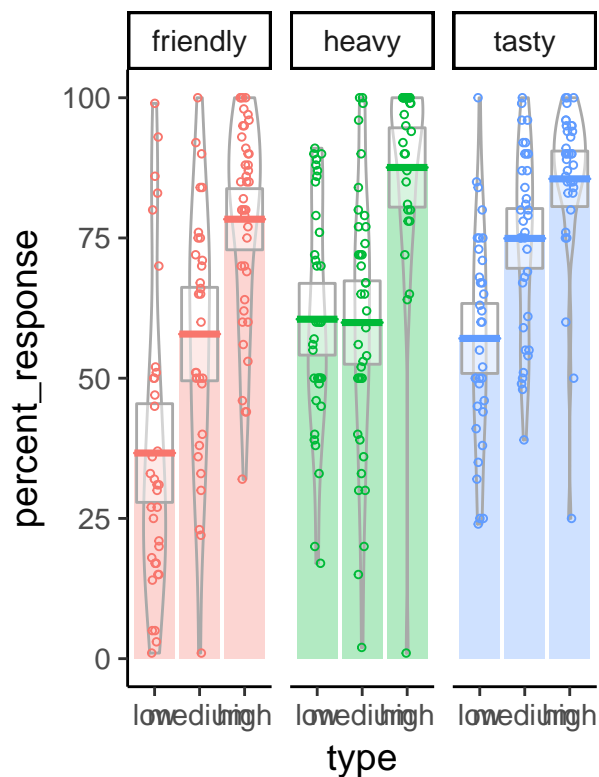
Explicit Generic – Time 1



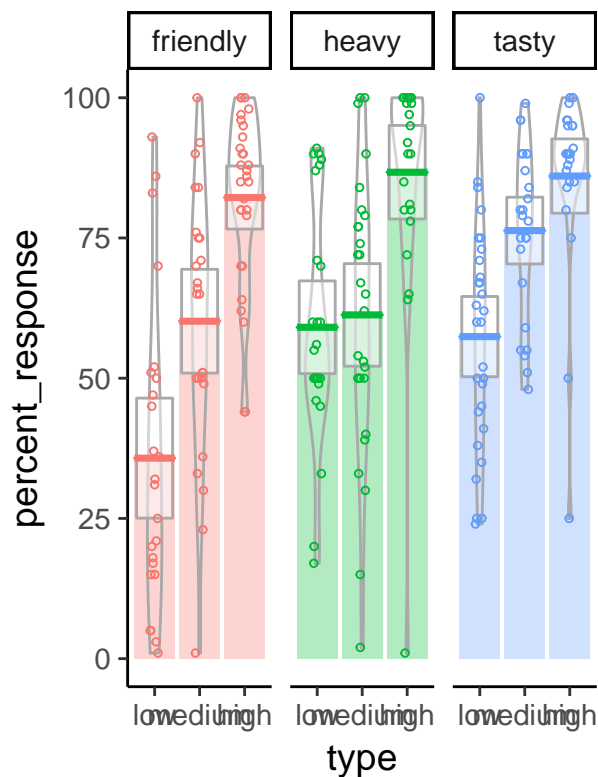
Baseline



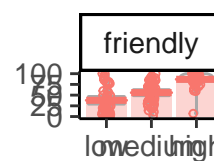
Implicit Generic – All



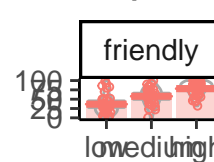
Implicit Generic – Time 1



Baseline



Implicit



Explicit

