

Sorites Data Summary

Erin Bennett

Wording used in sorites experiments

Table 1: Sorites variations

id	date	inductive phrasing	N
00	2013 August 27 7am	relative	30
01	2013 August 28 12pm	relative	50
07a	2014 January 31 7am	both*	10
07b	2014 February 5 5am	both*	60
07c	2014 February 6 5am	both	50
10	2014 April 23 4am	conditional	30
11	2015 June 5 2pm	relative	30

Possible phrasings of inductive premise:

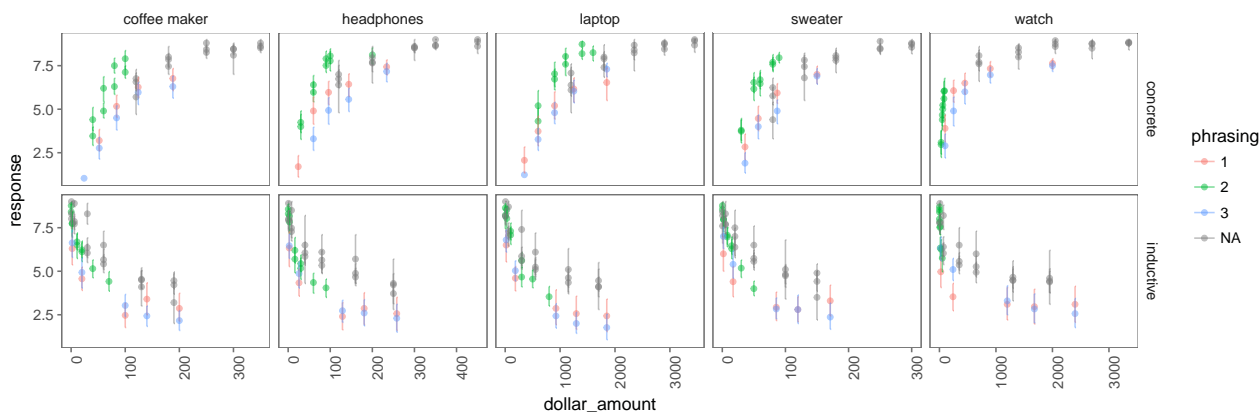
- relative: “An ITEM that costs \$EPS less than an expensive ITEM is also expensive.”
- conditional: “If an ITEM is expensive, then another ITEM that costs \$EPS less is also expensive.”

Consistent across all experiments:

- Concrete premise: “An ITEM that costs \$VAL is expensive.”
- Prompt: “Please indicate how much you agree with the above statement.”
- Left (lower) label of likert scale: “Completely disagree”
- Right (higher) label of likert scale: “Completely agree”

*In experiments 7a and 7b, phrasing was randomized between participants (either relative or conditional), but I did not record which phrasing was used for which participant

Results of sorites experiments



Wording used in priors experiments

give a number: i don't know Justine's design for this.

experiment 02

Instructions:

In this experiment, we would like you to imagine that our store has compiled an inventory list for insurance purposes. Unfortunately, the store only had one copy of the paper where we wrote all this information, and that paper has been badly treated. The prices have faded away and been lost. We would like your best guess as to what those prices should be.

We can get a little bit of information about the price by looking at the the color and font of each entry. Items that cost more than \$2000 have to be declared seperately and require additional paperwork, so these are written in blue italics. Please only guess a price above \$2000 if the entry is written in blue italics, and please only guess a price below (or equal to) \$2000 if the entry is written in plain black text.

Although we know that you cannot recover the original prices exactly, keep in mind that it is in the store's best interest if your guesses are as close to the original prices as possible.

Prompt: Items over \$CUTOFF are in blue italics.

experiment 03

In each scenario, someone has just bought an item. Please give your best estimate of the price of the item. You will do this by rating how likely you think it is that the actual price is within each of NBINS different ranges.

NAME bought a new *ITEM*.

Please rate how likely it is that the cost of the *ITEM* is within each of the following ranges.

experiment 04

same as 2

experiment 05

same as 2

experiment 06

condition A: same as 2

condition B: NAME bought new *ITEM* It was *expensive*.

experiment 08

same as 2, but *ITEM* is colored differently for different items

experiment 09

NAME (saw|bought|met) an *ITEM*. OR NAME (saw|bought|met) an *ITEM*. NAME says, "The *ITEM* was *ADJECTIVE*."

Please rate how likely it is that the (height|cost|age) of the *ITEM* is within each of the following ranges.

25-30 ft \$250-\$300 25-30 yrs

Results of priors experiments