

Context Dependent Frequency Judgments (#3927)

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1) What's the main question being asked or hypothesis being tested in this study?

Will frequency judgments for words within the same category/context words be more accurate than frequency judgments for words across categories?

We predict that people will have more accurate frequency judgments for within category comparisons than across category comparisons.

2) Describe the key dependent variable(s) specifying how they will be measured.

Two alternative forced choice frequency judgments.

3) How many and which conditions will participants be assigned to?

There are 12 lists that the stimuli are counterbalanced across. Participants will be randomly assigned such that each list has 20 participants.

Within subjects (category match or category mismatch)

Between subjects (the category combination: either food, fashion or animals--two lists for each category)

4) Specify exactly which analyses you will conduct to examine the main question/hypothesis.

Logistic regression predicting accuracy with random effects for subject, category and list.

5) Any secondary analyses?

We will estimate the resolution of mental frequency representations within and across contexts/categories. Using techniques pioneered by Landauer (1986), assuming his error model.

6) How many observations will be collected or what will determine sample size? No need to justify decision, but be precise about exactly how the number will be determined.

240 participants will be recruited and each will complete 190 trials. Sample size was determined to have 20 participants in complete each possible stimulus item. This amount is tractable given the number of participants we are able to recruit.

7) Anything else you would like to pre-register? (e.g., data exclusions, variables collected for exploratory purposes, unusual analyses planned?)

Nope.

8) Have any data been collected for this study already?

No, no data have been collected for this study yet