Word Association RT First Look

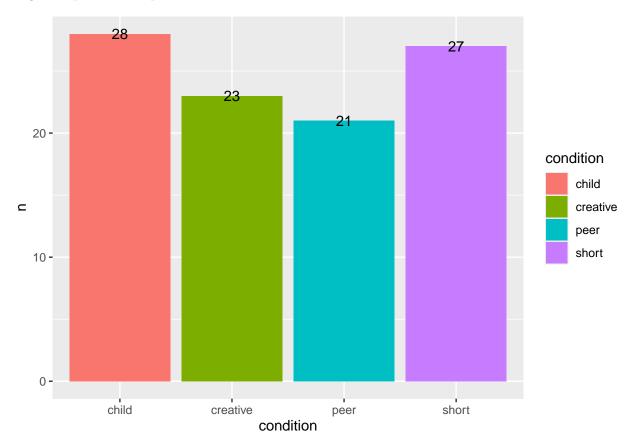
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Ideas in the lab have been circulating around an idea of "semantic warping", or the context-driven shifting of semantic weights that make concepts related to the context more available. Below, we describe a study investigating how response times to association generation may differ between conditions where you are given a coherent context to guide associative behavior versus explicit rules as to what kinds of responses are appropriate.

Condition completion

Target sample size is 30 per condition

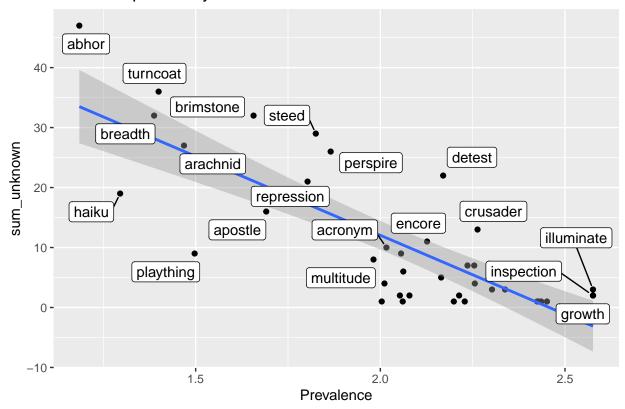


Participant-wise behavior over cues

Regressing blank response cues with Prevalence. Removing responses faster than 150 ms and anything further than 3SDs from the participant-wise mean

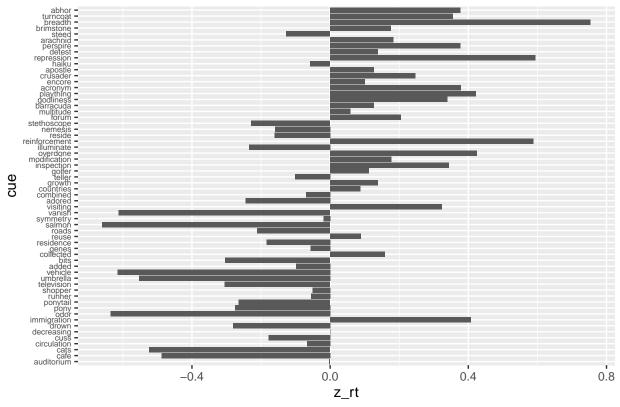
This was accomplished by filtering out response latencies less than 150ms, grouping by participant and computing z-scores, and filtering out responses that are more than three standard deviations away from the participant means. I then plot the cues in terms of their Prevalence in the MOESM database and their missingness in our response set.

Blank Responses by Prevalence



Participant Z-scored response time by cue. In descending order of number of missing responses. Same procedure as above, but did not filter on standard deviations from the participant means.

Z-scored Response Times by Cue



sum_{-}	_unknown
	47
	36
	32
	32
	29
	27
	26
	22
	21
	19
	16
	13
	11
	10
	9
	9
	8
	7
	7
	6
	5
	sum_

cue	sum_	_unknown
reinforcement		4
reside		4
illuminate		3
overdone		3
modification		3
teller		2
growth		2
inspection		2
countries		2
golfer		2
combined		2
visiting		1
collected		1
roads		1
salmon		1
added		1
adored		1
bits		1
symmetry		1
vanish		1
genes		1
residence		1
reuse		1