

Haddock Descriptions

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1 Experiment

1.1 Results

Experimental results are plotted in Figure ??, which plots for each of the three contexts tested the probability of bag resolution (proportion of clicks to the rabbit in the medium bag vs. clicks on the the rabbit in the medium box). The yellow line corresponds to chance after correcting for responses that did not correspond to any of these two objects (a total of xxxxx).

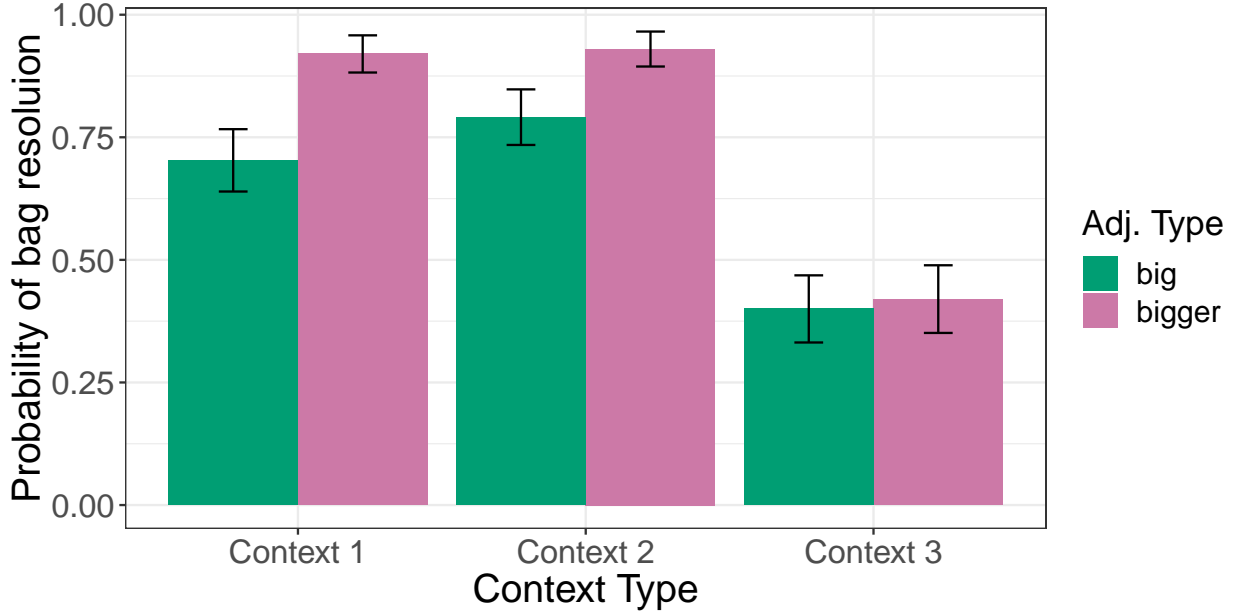
Data from xx were discarded either because xxx (N) or because the reported not to be native speakers of American English (XX). After xxx a total of XX participants.

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## [1] "A34SL"
## [1] 9
## [1] 5a85eac52a842c0001fcbfd3 58646f13de1cea0001f79ccd
## [3] 585849a944177c0001aacf8e 54e4be1bfdf99b5bad68f1a5
## [5] c46309 5a6b32249d65ec00017e71e6
## [7] 5aea695844277c000101c301 58dde4b495b4740001733749
## [9] 5b0ab73e641b1200010ebb59 5ad8721e4efee10001f52eff
## [11] 5a667270b9e3b50001a7264e 5b5077d39cb6fe00010686ce
## [13] 59cab69b59b3790001151279 5ad8dfbc80491c000142d16e
## [15] 5b4d923130e986000136a111 5b2fdd57a8327d0001ffe8da
## [17] 59b8d41a7547b100012d6f92 5b2430240ec82d0001d1d252
## [19] 5aeab16d0335e200019eae75 5aa4c6a6dbdb470001ef4914
## [21] 5aa2f6da4eecca0001ddda3f 5b18612168a5ed000173438b
## [23] 5b50f375d42bee0001089b91 59a186775fd74b0001abf91e
## [25] 596e7593b174180001756f23 5994872bcf1d1700016efa3e
## [27] 599c58cfd0bcd10001dd94f3 5586015efdf99b4204044ae1
## [29] 5ae0f48109eae2000113289a 5ae76658f1ad3f00012b19c5
## [31] 5a7b9480b093f80001a78761 5983397a413c230001292870
## [33] 57311dbc070de6000842c382 57df176f73e67300012b7fe8
## [35] 5b09be08d282ff00015b4fde 5aea7f7526e9c60001fbc8c1
## [37] 5b4464e1f5920200016d1622 5b2017115e45c000012ab0a2
## [39] 5aea56160335e200019ea543 5b65e2a5b7193d00012f832a
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## [41] A23EW A1U5B
## [43] A377L A21B7
## [45] A27SM A2541
## [47] A39GA A3VZJ
## [49] A1PUH A2EI0
## [51] A1EIT AZBH4
## [53] A1V2H APGX2
## [55] A1YIL AW45S
## [57] A2T00 ARYVM
## [59] A2W3A A1G4Q
## [61] AM8OW AEIIV
## [63] A2R6R A1IMO
## [65] A2ZNO A1VF3
## [67] A29NA AA4KK
## [69] A2FL4 A2WWY
## [71] 5bc22777253016000144f607 5a724224f660ae0001a9a6ea
## [73] 5b03389f331e8100018f5a1c 5ac43d51a3ba7a0001b498d0
## [75] 59e77afb77860e0001512fa0 5c8d10b0692c6100173c8b4d
## [77] 5d4ec0116686610018bf2f02 5c5a72632678ad0001f51042
## [79] 5ca50694881a8d00177a5ac9 5ce4807cbf33b8001a90f4e0
## [81] 5cd3ff1ac99584000199dd15 5c73c0001e20530001e7e70f
## [83] 5d5ca16484523d00010d3841 5b9ce7a0f07414000104cec3
## [85] 5d5d7571141f60001b85f9a1 58be00191c81f30001446c31
## [87] 59874a9031a9e2000142fe8b 5bce72fa5868570001b2df5e
## [89] 5b0d9494e9270900013bd5a5 5d5d77ba461bcb0019becb4d
## [91] 5c29d5b474e3ae000132a78d 5ccafa367994fd00137eedde
## [93] 5815767b0643a600016f0e72 5c454961f5e3bc00014ed20b
## [95] 56fef9a9e04254b0009008baa 5bc2a65283de340001bf8044
## [97] 5bb5896d56161d0001ff93b4 5c44a98948956f0001547c6b
## [99] 5c0598f11d8e960001c2de85 5d5bff0780cf7000012ba5f6
## [101] 589e989ce6afe00001d349a8 595fc9b4d82b180001c6e44b
## [103] 5b4ce4c8aad40700014ac066 5d1fe9b1072b44001aaebd18
## [105] 5cde91fbfa5ccf0016d51992 5d54006de07cae001b9f0441
## [107] 5c638b764aa252000139ce61 5d405e8b054f0e001aee7ad6
## 117 Levels: 54e4be1bfdf99b5bad68f1a5 ... Veron

```



Type of analysis: results for subset data corresponding to the first two conditions: posterior mean estimate and 95% credible interval: $\beta = -1.25[-2.63, 0.02]$

2 Semantic Assumptions

3 Computational Model

We implement a one level RSA model where the pragmatic listener jointly infers a referent by reasoning about 1) possible continuations of the truncated utterance; 2) Likely context partitions that satisfy the semantic requirements of the utterance; 3) Possible threshold values for the relative adjective.

3.1 Literal Listener

The Literal Listener assigns prior-based probability to every referent r in context C that satisfies the literal semantics of description d , assuming threshold θ for *big* (see semantics below).

3.2 Simulations

