

Ambiguous Words

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Abstract

We found some ambiugous words.

Two or three sentences explaining what the **main result** reveals in direct comparison to what was thought to be the case previously, or how the main result adds to previous knowledge.

One or two sentences to put the results into a more **general context**.

Two or three sentences to provide a **broader perspective**, readily comprehensible to a scientist in any discipline.

Keywords: ambiguity

Word count: X

Ambiguous Words

Introduction

We wanted to identify ambiguous words.

Study 1: Pilot

Methods

Participants. Workers on Amazon’s Mechanical Turk (MTurk) were invited to participate in an eligibility screener worth \$0.20 with the option to earn a bonus of \$2.05 if they met the requirements and completed the entire study. See **Supplementary Information** for specific MTurk batch settings. The Workers clicked a hyperlink that directed them to the study. The screener task included demographic questions and one block of word ratings that included 5 instances of the word “negative” and 5 instances of the word “positive” (see Procedure below for full details). Workers were invited to complete the entire study if they indicated that they were over 18 years old, had English as their native language, had no history of psychological or neurological disorder, and correctly rated the words “positive” and “negative” as positive or negative with at least 80% accuracy. Of the 145 Workers who completed the screener, 119 met the eligibility requirements, and 103 (5600% female, 45.63% male) chose to complete the entire study. The final sample was 3.88% Asian, 5.83% Black, 85.44% White, with a mean(sd) age of 37.16(10.60).

Material.

Stimuli.

Software.

All tasks were created and presented using Gorilla Experiment Builder (Anwyl-Irvine, Massonnié, Flitton, Kirkham, & Evershed, 2019).

Procedure.

Screener task.

46 ***Word rating task.***

47 **Data analysis.**

48 **Results**

49 **Subjective ratings.**

50 **Reaction times.**

51 **Study 2: Comparison of words with valence bias and IPANAT**

52 **Methods**

53 **Participants.**

54 **Material.**

55 ***Stimuli.***

56 *Valence Bias with Words.*

57 *Valence Bias with Faces.*

58 *Valence Bias with IAPS.*

59 *IPANAT.*

60 ***Software.***

61 **Procedure.**

62 ***Valence Bias Tasks.***

63 ***IPANAT.***

64 **Data analysis.**

65 ***Valence Bias Tasks.***

66 ***IPANAT.***

67 **Results**

68 **Subjective ratings.**

69 *Valence Bias with Words.*

70 *Valence Bias with Faces.*

71 *Valence Bias with IAPS.*

72 *IPANAT.*

73 **Reaction times.**

74 *Valence Bias with Words.*

75 *Valence Bias with Faces.*

76 *Valence Bias with IAPS.*

77 *IPANAT.*

78 **Relationships between the measures.**

79 **Discussion**

80 We did this study.

References

81

82 Anwyl-Irvine, A. L., Massonnié, J., Flitton, A., Kirkham, N., & Evershed, J. K. (2019).

83 Gorilla in our midst: An online behavioral experiment builder. *Behav Res.*

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Supplementary Information

MTurk Project Settings

The following are the settings used for the first batch on MTurk. This batch only contributed 6 respondents because the batch was published before the Gorilla task was fully functioning, and the batch expired before all HITs could be filled.

- Title: Screener: Rate words as positive or negative (WARNING: This HIT may contain adult content. Worker discretion is advised.)
- Description: Bonus available (\$2.05) to those who meet eligibility. Complete short demographic questions. Use your keyboard to indicate if you think individual words are positive or negative.
- Keywords: survey, demographics, rating, rate, words
- Reward per response: \$0.2
- Number of respondents: 9
- Time allotted per worker: 1 Hour
- Survey expires in: 7 Days
- Auto-approve and pay Workers in: 3 Days
- Require that Workers be Masters to do your tasks: Yes
- Specify any additional qualifications Workers must meet to work on your tasks:
 - Location is UNITED STATES (US)
 - HIT Approval Rate (%) for all Requesters' HITs greater than 95
 - Number of HITs Approved greater than 5000
- Project contains adult content: selected
- Task Visibility: Hidden - Only Workers that meet my Qualification requirements can see and preview my tasks

The same settings were used for the rest of the batches except that they did not require that Workers be Masters and the Number of HITs Approved was set to greater than

¹¹¹ 500, not 5000.