

Evidence for a Discourse Account of Manner-of-Speaking Islands

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Main analysis

Condition

Background

Wh-questions formed by extracting the embedded constituent of a manner of speaking (MoS) verb exhibit degraded acceptability.

E.g., *Whoi did John whisper [that Mary met with ti]?

Three accounts for MoS island effects

- Subjacency: Complements of MoS verbs are complex-NPs, which restrict extraction following the subjacency condition. [1]
- Frequency: MoS verbs rarely take complement clauses. [2,3]
- **Discourse**: Constituents inside the complements of MoS verbs are discourse backgrounded and thus resist movement which requires the fronted element to be foregrounded. [4-6]
 - Previous findings: the magnitude of the MoS island effect correlates with the backgroundedness of the embedded constituents.

Question

Does altering the backgroundedness of the extracted constituent change the MoS island effect?

Predictions

- Subjacency and Frequency account: Wh-questions that involve extraction of the embedded constituents of a MoS verb are degraded, regardless of the discourse.
- Discourse account: sentences with MoS island are sensitive to discourse status of the embedded constituent.

Take Away

- There is a causal relationship between the MoS island effect and the backgroundedness of the embedded constituent, further supporting the **Discourse** account.
 - foregrounding the originally backgrounded embedded content ameliorates the MoS island effect (Exps. 1, 3).
 - backgrounding the originally foregrounded content creates the MoS-like island effect (Exp. 2).
- Results implicate that the discourse backgroundedness of the extracted elements, rather than structural properties, as the source of MoS island effects.
- The difference in acceptability ratings between different discourse contexts cannot be explained by either the subjacency or the frequency account.

References

[1] Snyder (1992). [2,3] Liu, Ryskin, Futrell & Gibson (2019; 2022). [4] Erteschik-Shir (1973). [5] Ambridge & Goldberg (2008). [6] Goldberg (2013). [7] Kothari (2008). [8] Richter & Chaves (2020)

Experiment, data: https://github.com/ https://osf.io/djgcb (exp. 3)

Experiment 1

Stimuli set

Embedded Focus condition Hanako said: John didn't whisper that Mary met with the **LAWYER**.

Verb Focus condition

94 Participants

Backgrounded-

Exploratory analysis: frequency

Sentential Complement Ratio (SCR),

(verb used with sentential complement)

Log-transformed SCR score

mumble

ness check

following [7,8]:

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Proportion (rpretation (

Hanako said: John didn't WHISPER that Mary met with the lawyer

Scott said: Then who did John whisper that Mary met with?

Experiment 2

Methods

Stimuli set

Say condition

Hanako said: John didn't say that Mary met with the lawyer.

Say + Adv. condition

Hanako said: John didn't say softly that Mary met with the lawyer.

Scott said: Then who did John say/say softly that Mary met with?

Experiment 3

Stimuli set

Embedded Focus condition

Hanako said: John didn't say softly that Mary met with the LAWYER.

Adverb Focus condition

Hanako said: John didn't say **SOFTLY** that Mary met with the lawyer

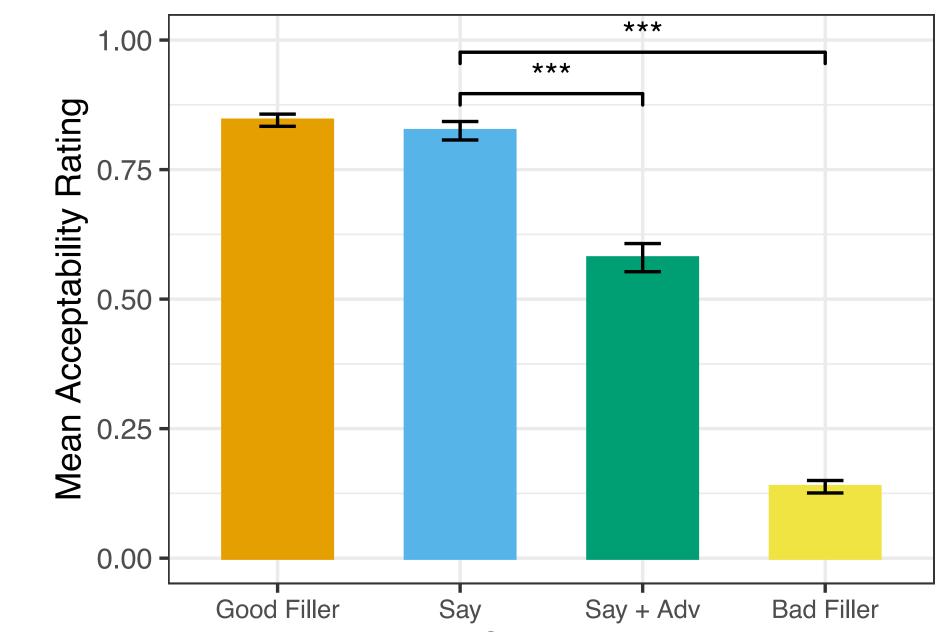
Scott said: Then who did John say softly that Mary met with?

Tasks Comprehension question (two-alternative forced choice): What was Hanako talking about? Acceptability judgment (rating on a slider): How natural/acceptable does Scott's question sound?

Results

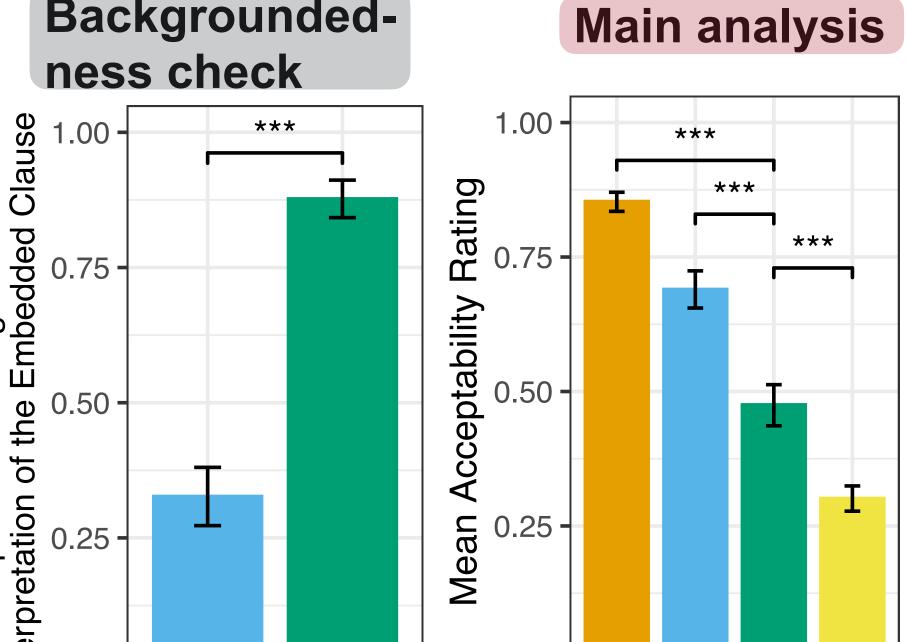
93 Participants

Main analysis



Backgrounded-

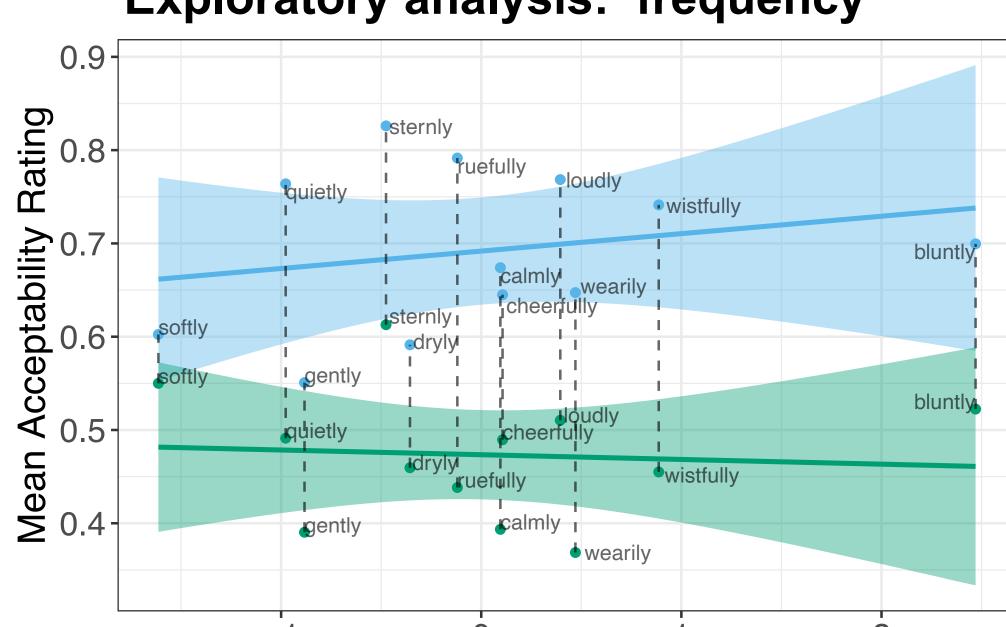
94 Participants



Log-transformed SCR score

Exploratory analysis: frequency

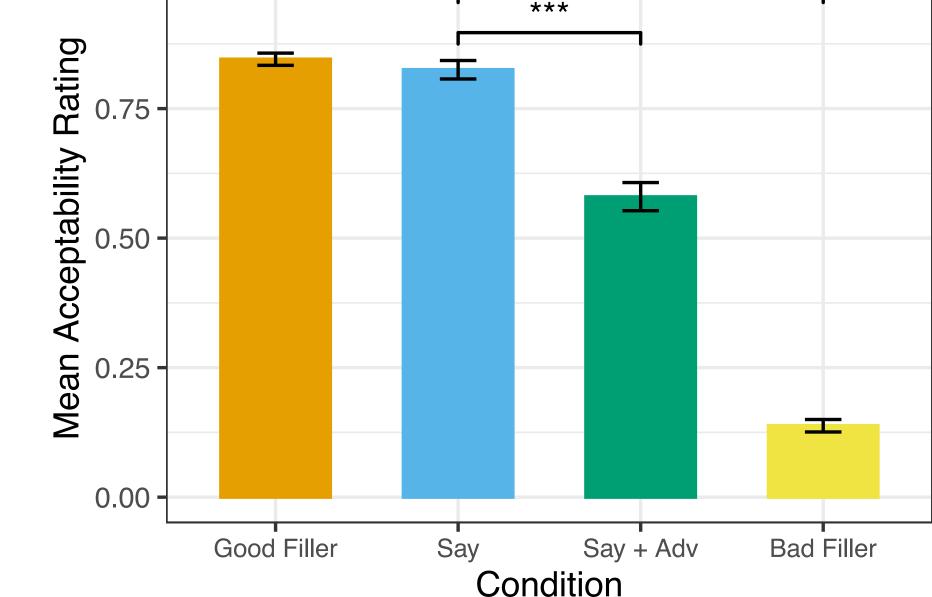
Condition



Log-transformed SCR score Results of the backgroundedness check in exps.1 and 3 show that the context changed the discourse status of the embedded clause in the expected way. More importantly, sentence acceptability ratings were higher in the Embedded Focus (exps. 1 & 3) / Say (exp. 2) condition than those in the Verb Focus (exp. 1) / Say + Adv. (exp. 2) / Adverb Focus (exp. 3) condition. The post-hoc analyses reveal that there was no significant effect of frequency nor an interaction between frequency and focus condition in all three experiments.

Resources

pennydy/MOS_Island Preregistrations: https://osf.io/rsza5 (exp. 1), https://osf.io/gu4ax (exp. 2),



Exploratory analysis: frequency