

Rise-fall-rise (RFR)

Prior Accounts

- \star uncertainty relative to a scale ^[13]
- \star unclaimable alternatives ^[2]
- \star incomplete answer [12, 6]
- * secondary QUD ^[14]
- \star presence of higher alternative [4, 5]

 \Rightarrow Predictions for scalar inferences:

decrease: [13, 12, 14]; increase/ambivalent: [4, 5, 2] SI rate

evidence against [13, 12, 14] (see also [3])

Scale variation

- ? question context less compatible with "evaluative" scales [4, 5]
- ? order of negative predicates on Horn-scale (<cool, cold>) reversed on measurement scale (<cold, cool, warm, hot>), thus stronger predicate not higher [11]

"Concession" Contour (CC)

Resemblance with Contradiction Contour: [9]

- (1) A: Too bad elephantiasis is incurable... B: Elephantiasis isn't incurable!
- \star ContC presupposes contextual evidence against $p^{[\prime]}$

SI rate

questions convey uncertainty \rightarrow relation to evidence against *p*?

Scale variation

non-uniform variation unexpected

On the meaning of intonational contours: a view from scalar inference

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Experiments

A:

Was the winner ecstatic? ("strong") Was the winner happy?

She was happy. You/B: Given your/B's response, do you think A would conclude that the winner was not ecstatic? - "Yes"/"No"

Method: 60 scalar predicates from [10] plus 20 fillers

- <u>Exp 1</u> (N=37): Participants read dialogue, listened to audio of A, recorded reply, then answered question \rightarrow Recordings manually annotated for contour
- Exp_2 (N=73): Participants listened to full dialogue ("strong" condition only!), then answered question



Figure 1. Production contours



- SI rates for CC in between Fall and RFR
- larger difference for Production than Perception

- ("same")

- RFR mostly in "strong"
- CC in both conditions
- Verum mostly in "same" [8]



RFR Concession Contour Contour

Figure 4. Production contours by scale

Impressionistic patterns (speculative!)

- RFR infrequent with adjectival scales

Concluding Remarks

- studies on scalar diversity
- and ignorance inferences (see [1])

References: [1] Buccola & Goodhue (2023), CLS59; [2] Constant (2012), L&P; [3] de Marneffe & Tonhauser (2019), Questions in Discourse; [4] Göbel (2019), SALT29; [5] Göbel & Wagner (2023), ELM2; [6] Goodhue et al. (2016), NELS46; [7] Goodhue & Wagner (2018), Glossa; [8] Höhle (1992), Informationsstruktur und Grammatik; [9] Liberman & Sag (1974), CLS10; [10] Ronai & Xiang (2022), LSA2022; [11] Solt (2015), L&LC; [12] Wagner et al. (2013), SemDial17; [13] Ward & Hirschberg (1985), Language; [14] Westera (2019), Secondary content: the linguistics of side issues Acknowledgments: We are indebted to Emma Nguyen and Luke Adamson for providing audio stimuli, as well as Dan Goodhue, Sunwoo Jeong, Deniz Rudin, Michael Wagner, and the UPenn Experimental Semantics Lab for feedback.

Scale Variation

RFR & CC infrequent with negative scales (e.g. ugly)

results imply need to control for intonation in

question about relation between scalar inferences