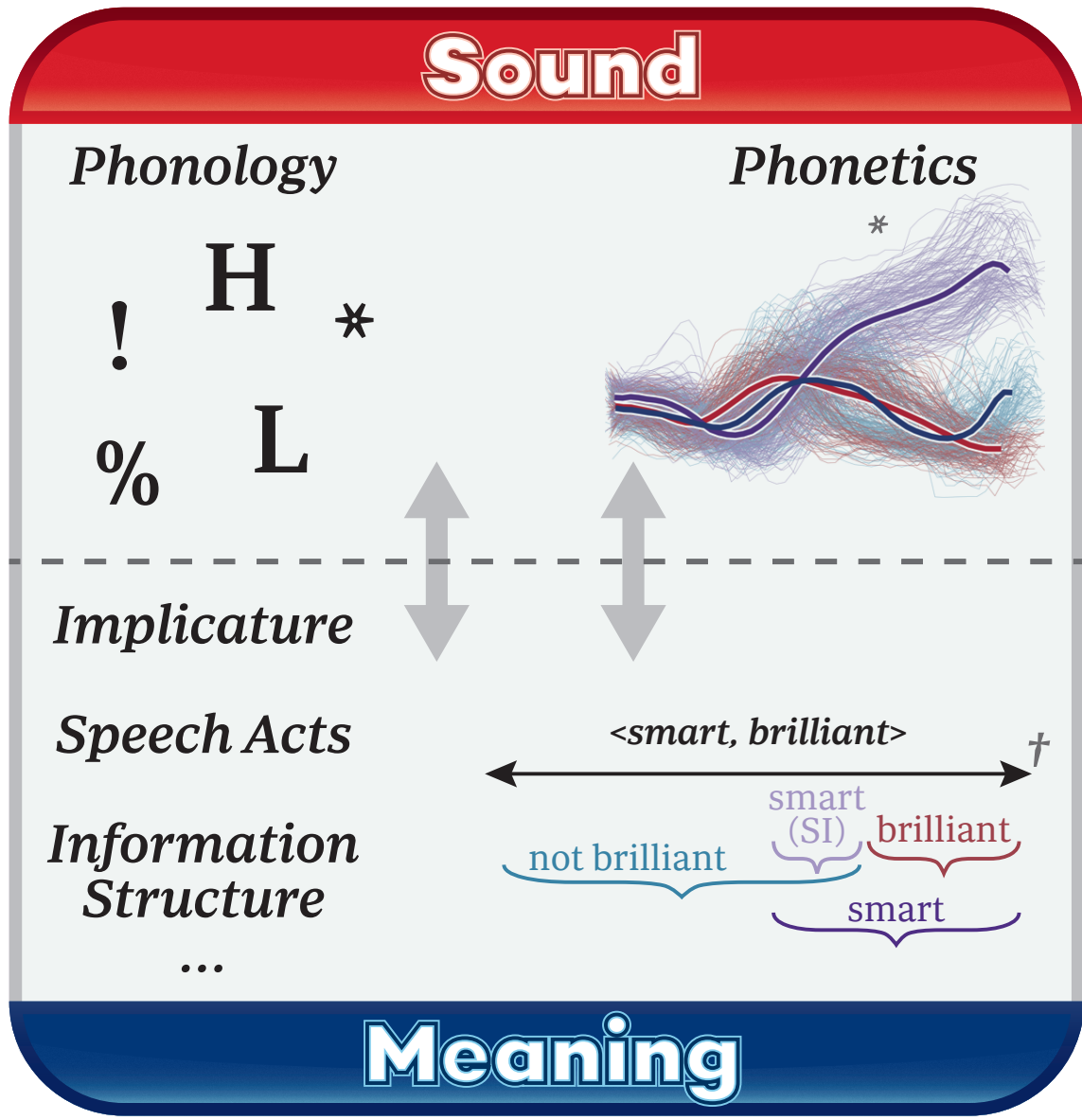


Intonation and its meaning: Beyond essential differences

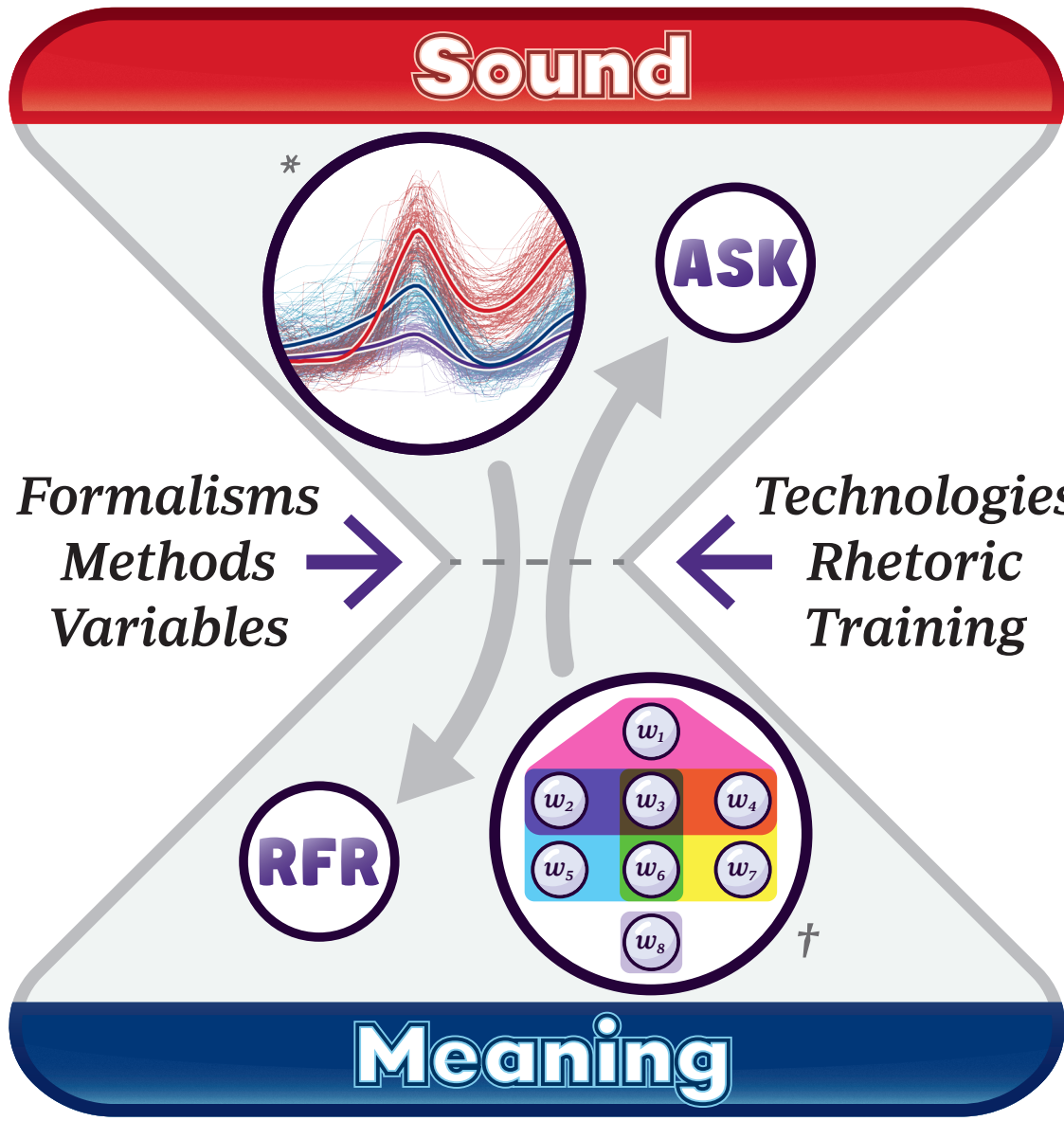
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Introduction

Which properties of intonational **form** encode which **meaning** distinctions? Each domain has complex theories and analytic frameworks, but with little cross-talk, researchers in one domain rely on simplified “essential” differences in the other. This fundamentally limits the development of an explanatory theory.



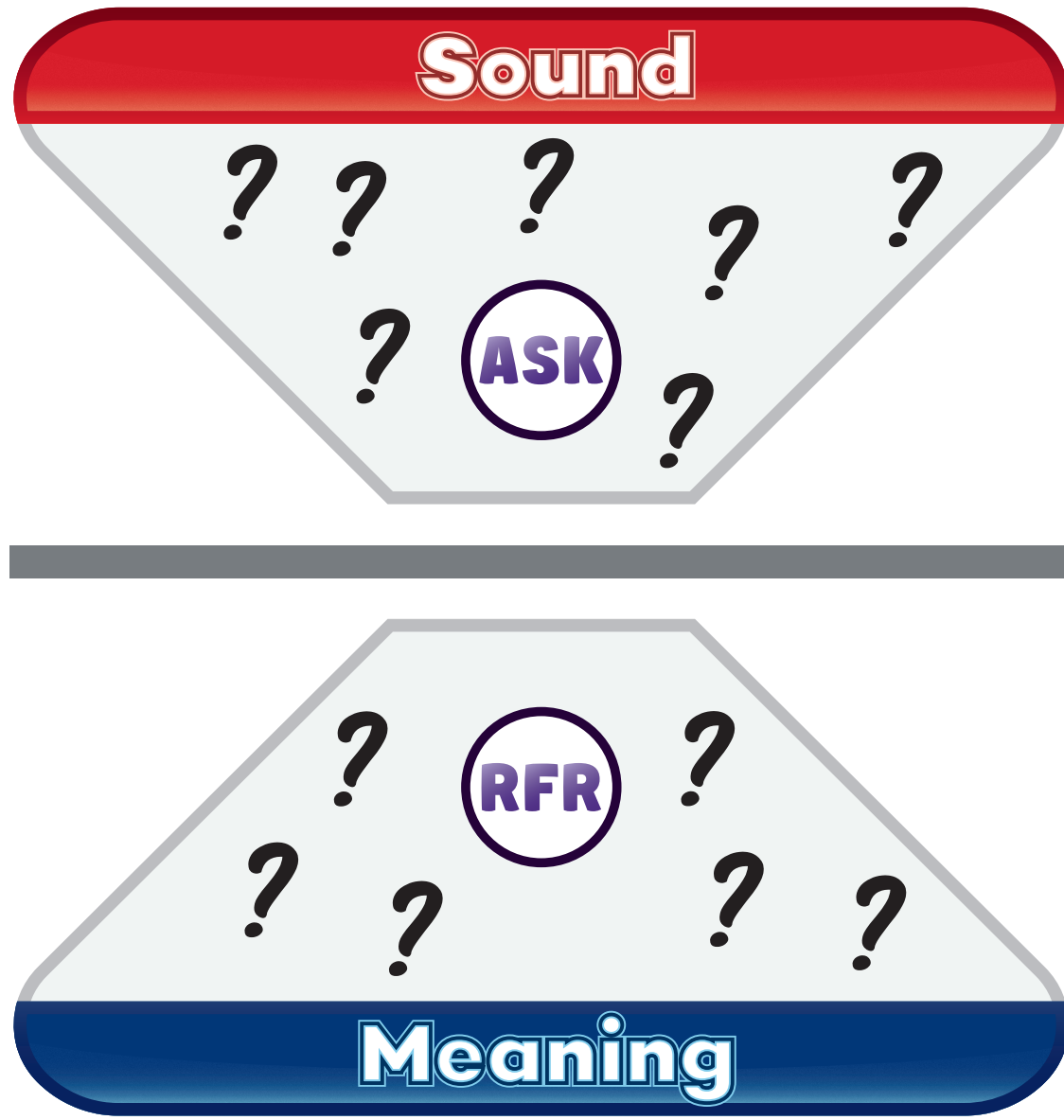
*Iskarous, Cole, and Sostarics (2024), †Aparicio and Ronai (2023, Fig.1)



*Sostarics, Ronai, and Cole (2024), †Sæbø (2019, Fig.4)

Take-Homes

Our experiments testing pragmatic interpretation support category-level edge tone and durational form distinctions, with additional graded interpretative effects related to within-category phonetic variation. These findings are made possible by rejecting essentialism and embracing complexity in both domains.



Contrastiveness versus Intensification

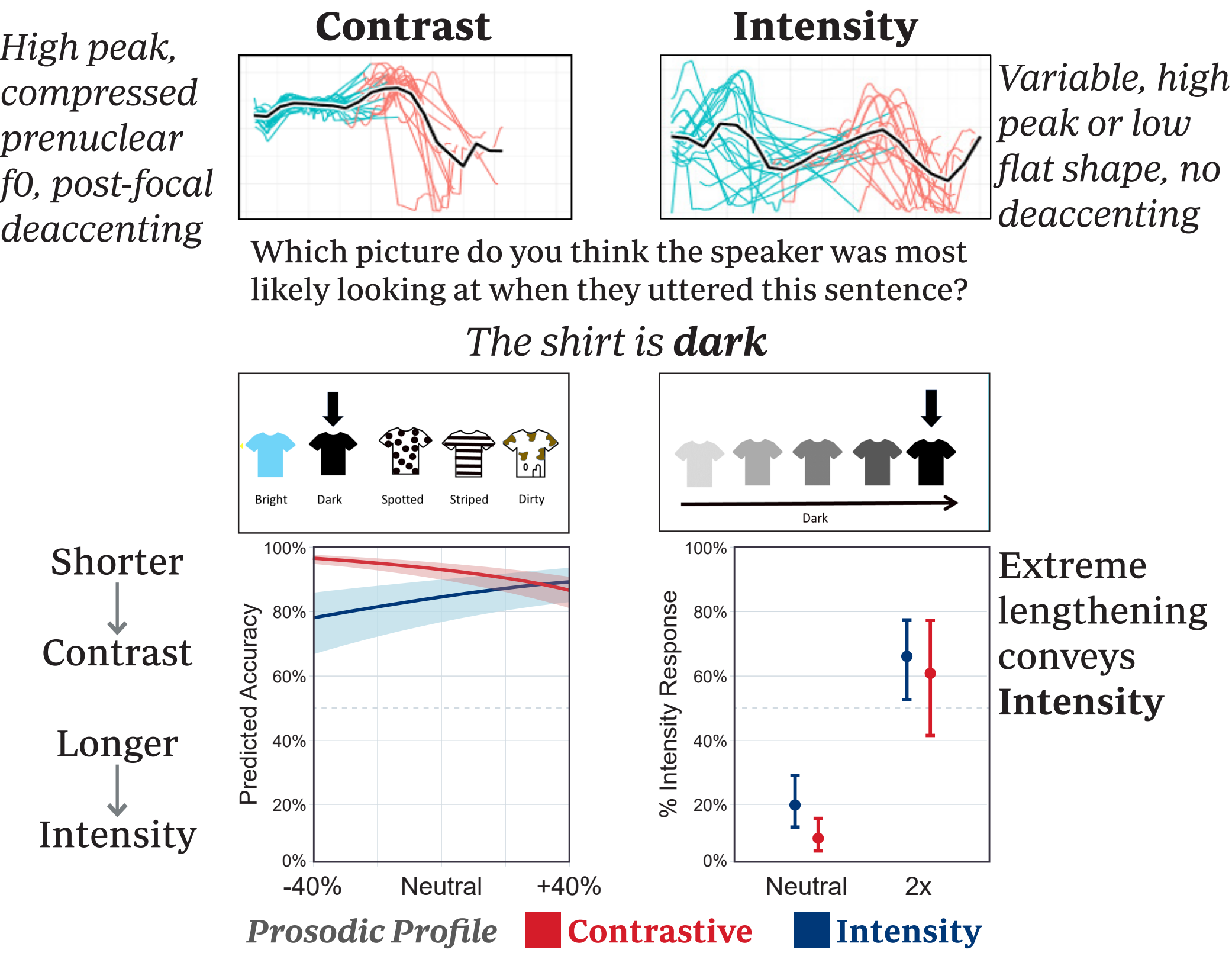
(Sandberg 2024, Ph.D. Thesis)

Prosodic **prominence** is associated with **Information Structure** through the location and tonal type of pitch accent.

The phonetic parameters associated with accents are also linked to **Semantic Intensity**. Are these the same type of prominence?

Prosodic Prominence (accenting)	Givenness	Lexical: given<accessible<new Referential: given<bridging<unused<new
	Focus	Types of contrast: narrow>similarity>...>exhaustive>corrective
Pitch, Tempo, Loudness, Voice Quality	Intensity	Semantic: raised gradable adjective thresholds Expressive: commitment, attitude, emotion

Take-away: Prominence effects on different acoustic parameters cue different kinds of pragmatically enriched meaning, distinguishing interpretations related to Information Structure vs. Intensity.

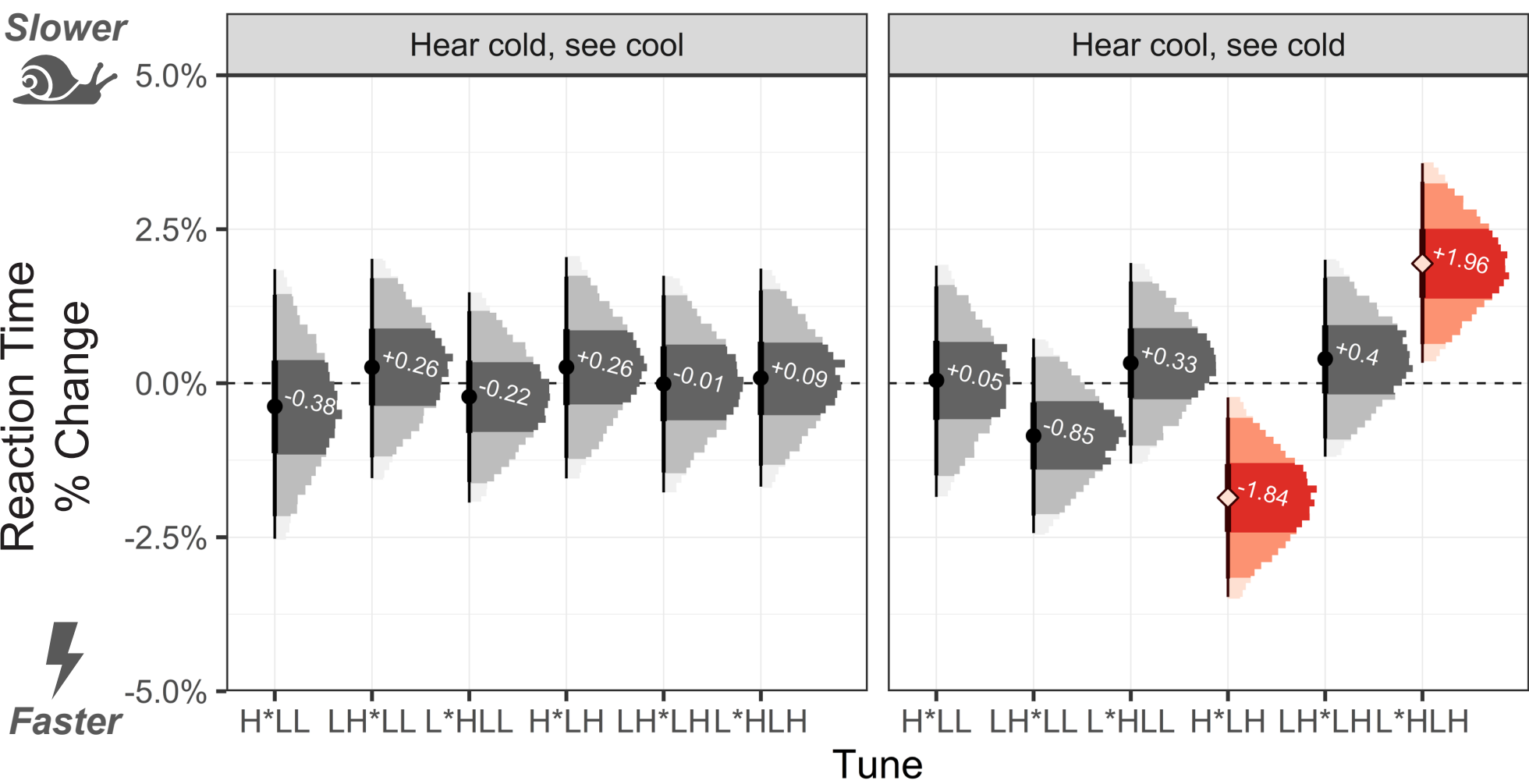


Rise-Fall-Rise and Scalar Inference

(Sostarics in progress, Ph.D. Thesis)

Pragmatics literature offers many competing proposals for how “the” **rise-fall-rise** tune interacts with higher alternatives. But AM theory predicts **three** RFR-shaped tunes that differ in the pitch accent used (H*, L+H*, L*+H).

Do different functions map onto different RFRs, or does a similar function hold for a broad class of RFR tune shapes? We look at RFR through the lens of **scalar inference (SI)**.



Auditory materials with varied RFR and falling contours:

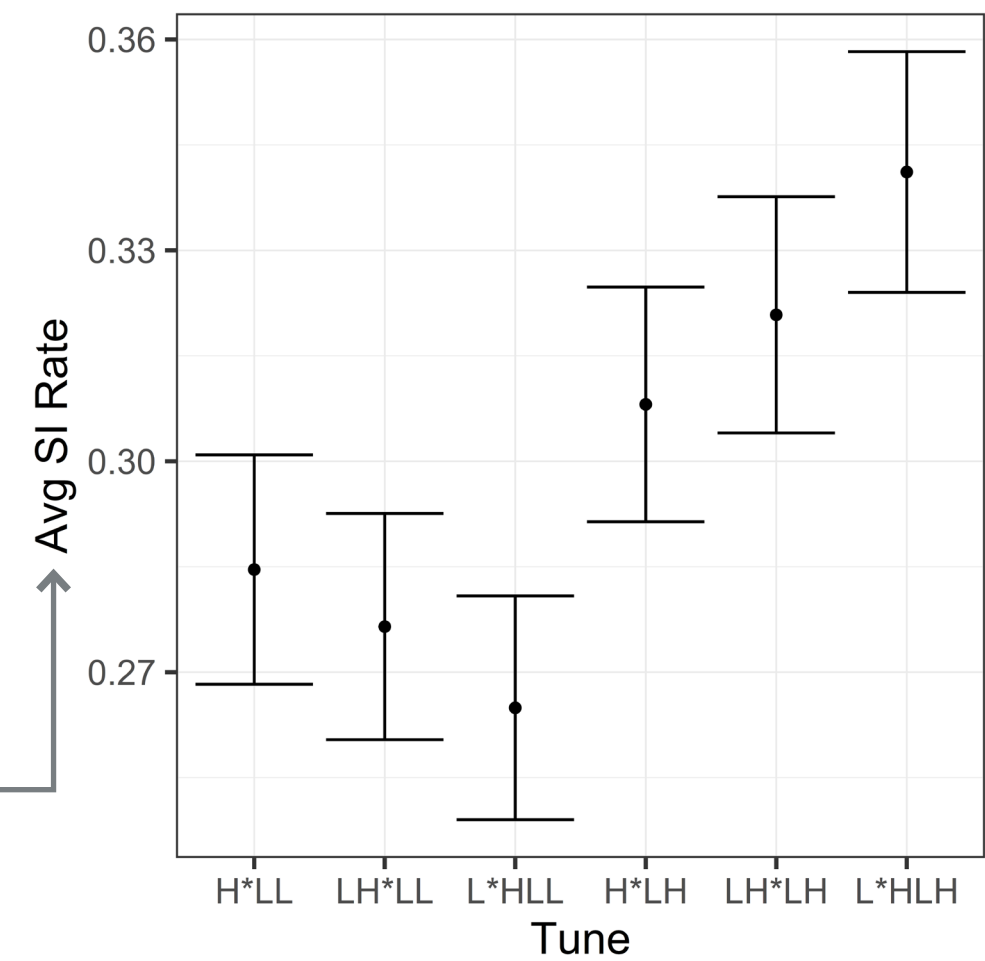
Q: Did someone leave a window open in the office overnight?

A: The office feels **cool**

Would you conclude that the office does not feel cold?

Yes (SI: cool but not cold)

No (SI not calculated)



Take-away: RFRs overall encourage SI calculation relative to falls, suggesting a broad class of RFRs with small graded distinctions.

In priming with lexical decision, RFR shows an asymmetry when probing a higher (cold) or lower (cool) alternative. The RFR with the smallest pitch range shows additional facilitation for cold, but the RFR with the largest pitch range leads to **less** facilitation.