PRODUCTION OF DEACCENTING UNDER REPETITION, ENTAILMENT, AND BRIDGING: PHONETIC AND PERCEPTUAL COMPARISONS

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ANAPHORIC DEACCENTING - IDENTITY

She thought I played <u>the viola</u>, but I don't **like** <u>the viola</u>.

ANAPHORIC DEACCENTING - NONIDENTITY

She thought I played the viola, but I don't **like** string instruments.

LICENSING DEACCENTING UNDER NONIDENTITY

Semantic antecedence:

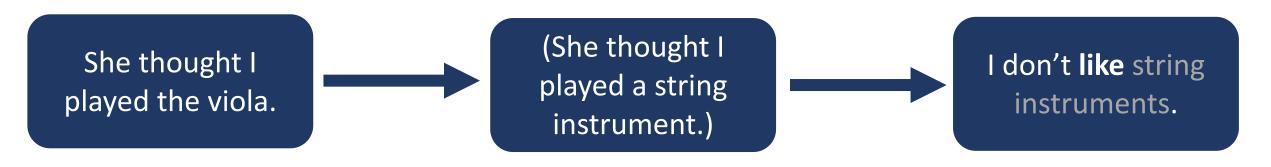
(Rochemont 1986, Rooth 1992, Schwarzschild 1999, Sauerland 2005, Büring 2016)

She thought I played the viola.

I don't **like** string instruments.

Accommodation:

(Tancredi 1992, Fox 2000, Wagner 2012)



WHICH ACCOUNT IS CORRECT?

Move beyond binary un/acceptable judgment to assess felicitousness of deaccenting under nonidentity.

Collecting naturalistic stimuli for a perception study is also an opportunity to study production.

EXPERIMENT 1 – PRODUCTION

10 native American English speakers (5 female)

Read aloud critical sentences embedded in threesentence carrier

Constant number of syllables before critical clause onset

Instructed to read entire paragraph and plan how to say it before speaking

CRITICAL SENTENCES

SVO and SVO

S2: monosyllable, discourse-new

O2: trochee, discourse-old

V2: iamb, variable discourse status

CRITICAL VERB DISCOURSE STATUS

New: Second verb is fully discourse-new *Elijah rebuffed Laura, and Ron embraced Laura.*

Inferable: First and second verb linked by inferencing relation Veronica hugged Laura, and Ron embraced Laura.

Repeated: First and second verb identical

Christina embraced Laura, and Ron embraced Laura.

PREDICTIONS AND QUESTION

Canonical discourse-new pattern:

Elijah rebuffed Laura, and Ron embraced Laura.

Canonical discourse-old pattern:

Christina embraced Laura, and Ron embraced Laura.

Do inferable verb sentences act like new or old?

DATA PROCESSING

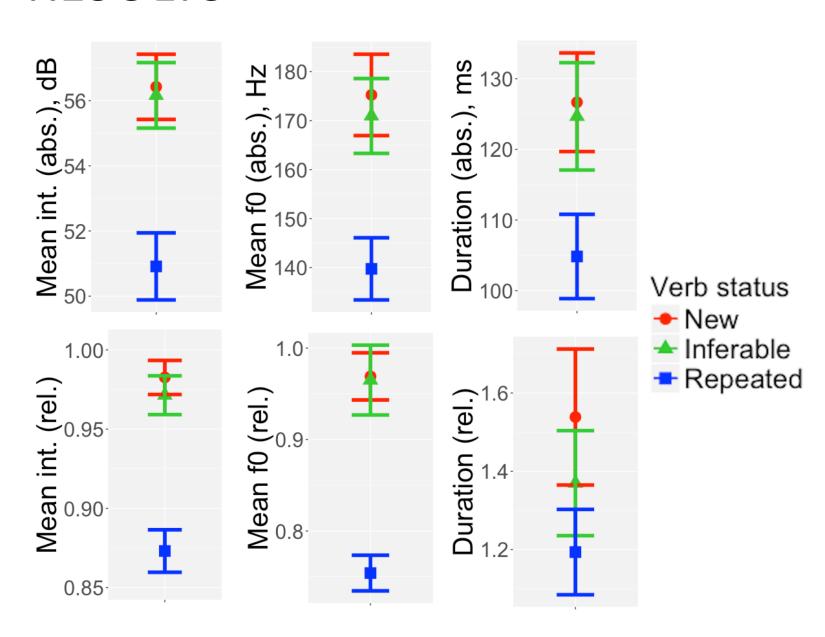
Absolute phonetic correlates extracted from V2 stressed nucleus using ProsodyPro: (Xu 2013)

mean intensity, mean f_0 , duration

Values relativized to S2 nucleus:

relative intensity, relative f₀, relative duration

RESULTS



Significant effect of verb status (p's<.05)

Inferable-Repeated significant (p's<.001) (except rel. dur., p>.2)

Inferable-New n.s. (p's>.2)

EXPERIMENT 2 — PERCEPTION OF ACCENT

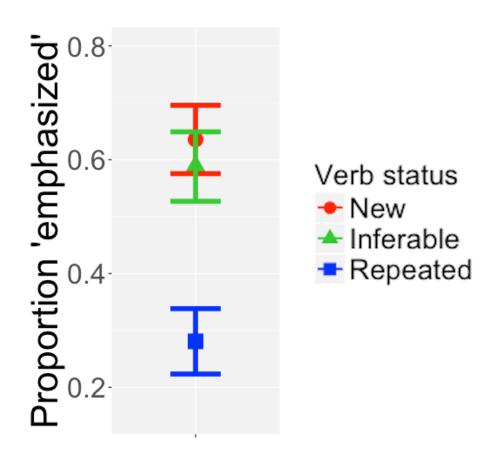
Does listeners' perception of accent correspond to the phonetic measurements?

Elijah rebuffed Laura, and Ron embraced Laura.

Was "embraced" emphasized or not emphasized?

200 Amazon Mechanical Turk users

RESULTS



Significant effect of verb status (p<.001)

Inferable-Repeated significant (p's<.001)

Inferable-New n.s. (p>.2)

DISCUSSION

New verbs: high phonetic values, perceived as emphasized

Repeated verbs: low phonetic values, perceived as not emphasized

Inferable verbs pattern with new verbs to the exclusion of repeated verbs

DISCUSSION

Preliminary indication that anaphoric deaccenting doesn't come "for free" with semantic antecedent

Supports a licensing account with a higher cost associated with anaphoric deaccenting (accommodation)

Caveat: Participants did not plan utterances and inferencing relation may not have been obvious

FOLLOW-UP WORK

Assessment of felicitousness of anaphorically deaccented constituents in perception

Exploration of individual differences in production and perception preferences

THANKS TO...



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