Number, animacy, and individual variation in the processing of cataphora

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Psycholinguistic background on the processing of Cataphora

A cataphor (pronoun that precedes its referent) causes an **active search** for a feature-matched NP [1-4] • Evidence mostly comes from Gender Mismatch Effects (GMEs) • e.g. for reading times: **she...FEM** = \sum (1a), but **he...FEM** = \bigotimes (1b) (1) a. After **she** made breakfast, **the nun** interviewed the monk. b. After **he** made breakfast, **the nun** interviewed the monk. How general is this feature-guided search? • Some previous evidence for Number Mismatch Effects (NMEs) [1,4] • But, PL is semantically underspecified [5], and they has many uses!

Sociolinguistic background on the emergence of Singular They

Especially in North America, non-plural uses of they are becoming more common [6-9]

- (2) a. **Those poets** look like **they** work out. Plural *they*
 - b. **Every poet** looks like **they** work out. **Bound Variable** *they* [10]
 - c. %That poet looks like they work out. Definite Sing. they = dsT
- NB: Singular *they* must have an animate referent [6]
- (3) a. **Those chairs** look like **they** recline.
 - b. **#Every chair** looks like **they** recline. No inanimate SG *they*
 - c. **#That chair** looks like **they** recline.

Off-line sociolinguistic/experimental work on dsT

- Younger raters like it more than older raters: change in progress [9]
- Transgender & nonbinary people rate it better than cis people [9]
- Other factors: prescriptivism, trans familiarity, political beliefs... [8]

Our previous socio-psycholinguistic work on Cataphoric They

Reading-time study with diverse participants [1]

• Initial evidence that real-time comprehension strategies for *they* vary predictably across sociolinguistic groups (cf. [6,7])

	They-Innovators (Younger, Noncis)	They-Noninnovators (Older, Cis)
Cataphoric <i>s/he</i>	Strong expectation for SG s/hePL = @	
Cataphoric they	Weak exp. for PL theySG = 🐔	Strong exp. for PL theySG = 💕

• Prediction: *they*.INAN should evoke strong PL expectations for everyone

Uniform **NME** Differential NME

- enthusiastic encouragement.

- from harsh sunlight.

Younger







References and Acknowledgements

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