Probal	bilistic	Listener
TOLLUNIVERSIT	- Cres. CatSci entia latur	Department of
	INTRO	

把 [自己]_{i/i} 弄糊涂

Previous studies ask this question using within-sentence pronoun dependencies?



Corpus Study	[1]	: (Co	rpus	of the	Chinese	Web)
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	<i>ziji</i>	ta	<i>taziji</i>
	(self)	(him)	(himself)
Freq	29.54%	70.31%	0.15%

University of Massachusetts Amherst

MODEL EVALUATIONS

	R ²	MSE	MAE	P-value
M	0.598	0.025	0.138	0.0007
A	0.674	0.006	0.048	0.0002

RESULTS

• **Item-by-item** quantitative analysis shows that **both SBM and RSA can** make accurate predictions for the resolution of ambiguous pronoun ziji. SBM overestimates the non-local antecedent choices and

underestimates the local antecedent

DISCUSSIONS

A multilevel recursive reasoning between listeners and speakers coupled with the **explicitly encoded** frequency of pronouns could improve Bayesian model predictions.

CONCLUSION

This study first shows interpretation biases for the within-sentence reflexive differ across items. We then provide a support case for Bayesian models of these non-uniform biases for withinsentence reflexive.

REFERENCES

[1] Schulz, M., Burnett, H., & Hemforth, B. (2021). A Journal of General Linguistics. [2] Zhan, M., Levy, R., Kehler, A. (2020). PLOS ONE. [3] Kehler, A, & Rohde, H. (2013). Theoretical Linguistics. [4] Frank, M. C., & Goodman, N. D. (2012). Science.



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