Demonstratives (words like this/that, here/there) are semantically diverse. Two dimensions of variance:

- **Origin**: Do spatial contrasts among demonstratives always relate the referent (Ref) to the Speaker (Spkr)?
- **Role of distance**: Do spatial contrasts always concern distance?

We answer these questions using production data from speakers of Dutch (Indo-European) vs. Ticuna (isolated; NW Amazonia).

**Background: Traditional theories about demonstratives**

Most common analysis of demonstratives (e.g., Diessel 1999):

- Spatial meaning component concerns distance from Spkr only.
- Predicts that:
  - Location of Addressee (Addr) has no effect on demonstrative use.
  - Distance has linear relationship with proportion of use of (distal and medial)

**Background: Recent alternative theories**

- Spatial content concerns location relative to Spkr, not distance.
- Proximal = Ref inside Spkr’s personal (reaching) space (Kemmerer 1999).
- Predicts non-linear relationship between distance from Spkr & use of distal.
- Deictic origin is dyad of Spkr & Addr (Hanks 1990).
- Predicts that Refs located inside dyad indexed with proximal, regardless of distance from Spkr or Addr (Jungbluth 2003).

**Results: Dutch Participants**

- Participants predominantly use definite article in both conditions.
- No clear effect of distance on demonstrative choice.

**Analysis**

- Due to multimonial variables & repeated-measures design, chose Bayesian analysis (over ANOVA).
- Requires baseline category, but Ticuna data does not have an a priori baseline.
- Therefore: Ticuna analysis revealed; significant effects reported by baseline

**Discussion**

- For Ticuna, we support dyad/location-oriented theories over speaker/distance-oriented ones.
- As with comparable research on English & Spanish (Coventry et al. 2008).
- Demonstrative origin can be dyad as well as Spkr or Addr.
- Spatial content concerns location, not distance; may specifically concern location inside peripersonal space.
- For Dutch, we show that speakers of different languages can vary in when they use demonstratives vs. definite articles.
- Definite articles predominate, demonstratives marginal for Dutch speakers.
- Not simply due to presence/absence of definite article in lexicon: Dutch speakers have demonstratives but do not use them; vice versa Ticuna speakers.

**Conclusions & contributions**

- Demonstratives that are not ‘Addr-centered’ can nevertheless be sensitive to the relation between Addr & Ref.
- Consistent with view of demonstrative reference as a joint activity, adapted for managing joint attention (cf. Küntay & Ozyüreık 2006).

**Acknowledgements**

Thanks to the Ticuna and Dutch participants, and to an audience at UC Berkeley for discussion of the data. This research was supported by the Max Planck Society; an NSF GRFP to Skilton; and NSF BCS-1741751. Views are those of the authors and do not necessarily reflect those of the NSF.