A preliminary investigation of the phonological feature inventory in Kata Kolok, a rural sign language of Bali

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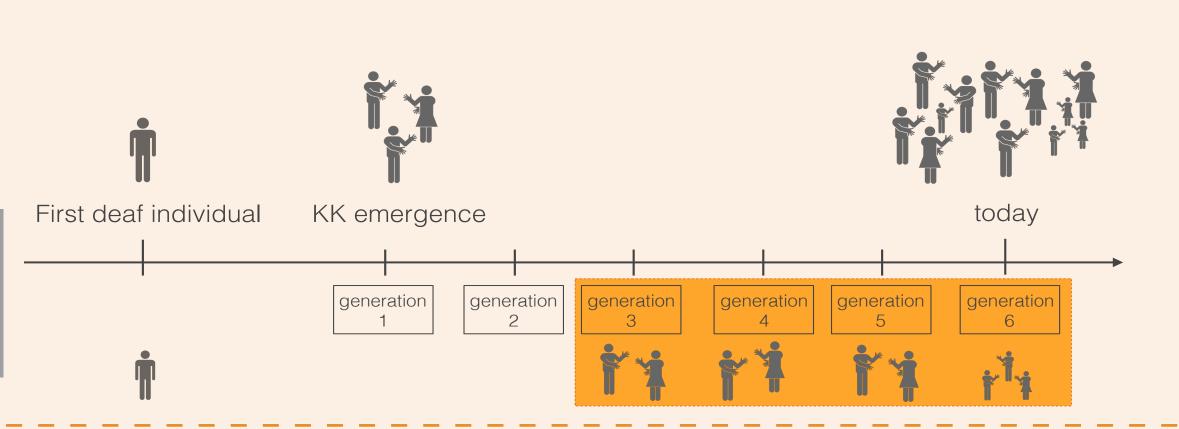
Kata Kolok (KK)

- spontaneous emergence in a single village community
- high incidences of congenital deafness
- deaf and many hearing villagers use KK daily

Does KK show phonological organisation?

time depth at least six generations

> KK is older than e.g. Al-Sayyid Bedouin Sign Language, Israel





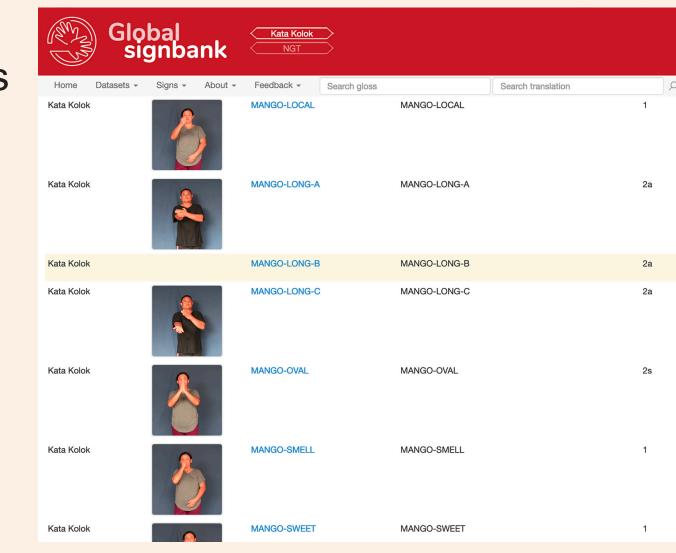
Field-based Data Collection

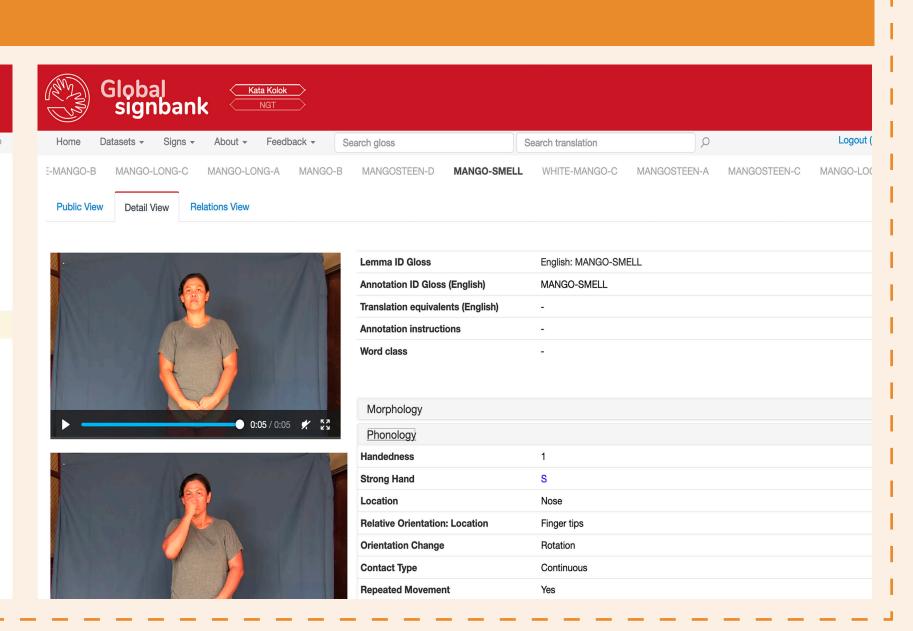
- deaf native signers of generation 3-5
- lexical elicitation (pictures, real objects)
- (semi-)spontaneous conversations
- expert knowledge



Kata Kolok Dataset in Global Signbank

- ~1,000 entries with phonological descriptions
- in progress: link to corpus & identification of phonological contrasts





Locations

KK shows phonological organisation!

Feature Inventory in the Current Dataset

In contrast to Al-Sayyid Bedouin Sign Language, the current Signbank entries include:

1) Minimal Pairs



PRAY



COOK



TEA



PRAY



SHY

2) Formal Constraints

Finger selection



CAR

Symmetry Condition (N=283)



MARRY

Dominance Condition (N=172)

MONEY

3) Lower Intersigner Variation



PIG-A





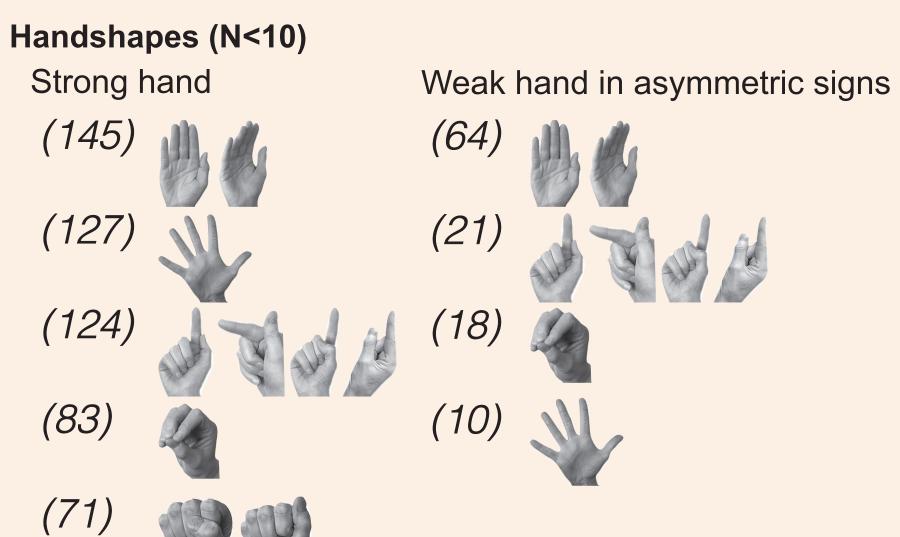
PIG-C



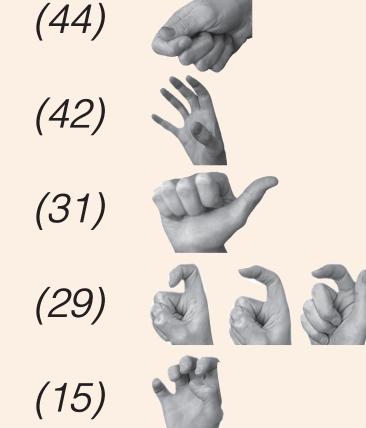


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Overview from Signbank



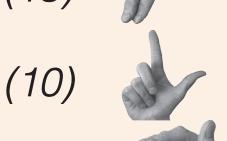




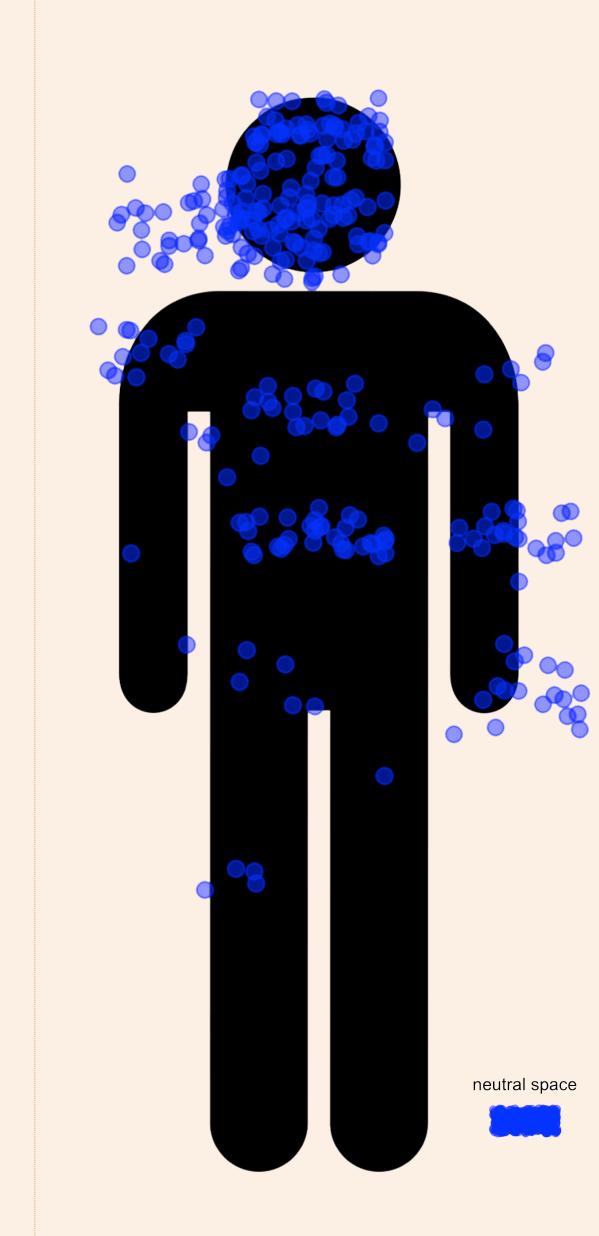
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Thank you

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