

# Interactional sequences from signing patterns

in the Swedish Sign Language Corpus

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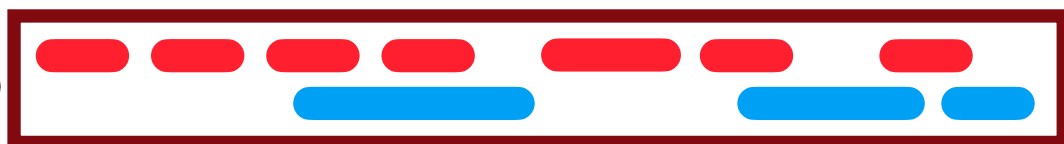
Is it possible to locate types of *interactional sequences* automatically in a corpus?

ELAN



STS Corpus  
conversations

153,947 sign tokens



Every sequence of 10 signs in conversation is taken as a unit

We categorize each sequence unit into four *prototypical profiles* based on pattern

**Monologue**

Monologue



All one signer

**Change**

Interactive



Both signers, few switches

**Insertion**

Interactive



Mostly one signer, few switches

**Parallel**

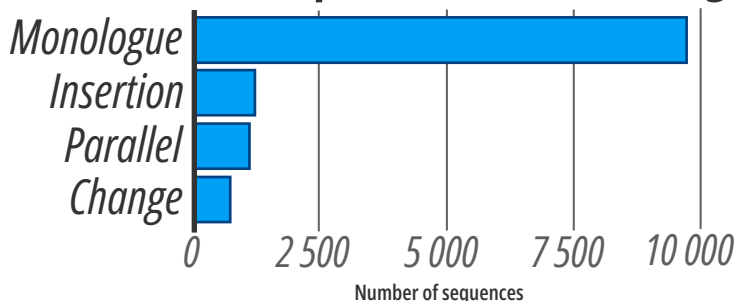
Interactive



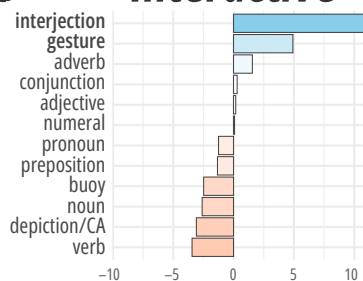
Both signers, many switches

What is the *distribution* of sequence profiles & what *signs* are found within them?

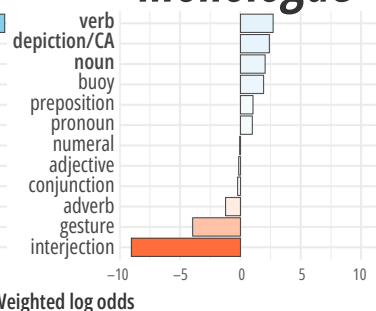
**Most sequences are "monologue"**



**Interactive**



**Monologue**



What are the benefits of this approach?



Saves  
time



Finds places of interest  
for qualitative analysis



Search method  
is language-agnostic