BACKGROUND: CONSTRUCTED DIALOGUE AND PROSODY

A sequence of plain telling (PT) is a communicative act without constructed action whereas constructed dialogue (CD) consists in the enactment of a communicative act (Clark & Gerrig, 1990; Tannen, 1986; Hodge & Cormier, 2019). In spoken languages, CD can be foregrounded as depictive through **prosody**, e.g., duration, loudness, and pitch (Clark & Gerrig, 1990; Stec et al., 2016; Fine, 2019). In signed languages, the same function has been claimed to be mostly fulfilled by non-manual articulators, e.g., gaze, head, etc. (e.g., Hermann & Steinbach, 2012) rather than through manual prosody (but see

Comparing the Kinematics of Plain Telling and Constructed Dialogue in Signed Discourse:

STUDY OF NARRAIVES

DATA PREPARATION

'Mocap Toolbox' (Burger & Toiviainen, 2013) to extract the kinematics of PT (224 tokens) and of **CD** (63 tokens): mean bounding rectangle, velocity, acceleration (dominant hand wrist, head, and torso), fluidity, complexity (dominant hand wrist), mean & peak distance (dominant hand wrist and mid-torso).

RESULTS

We perform the comparisons using linear mixed model trees with *glmertree* (Fokkema et al., 2021) to factor in inter-individual variation and varying annotation durations. The participants' dominant wrist movements were **slower** and traveled **shorter** distances in **CD** than in **PT**. Conversely, faster head movements were found in **CD** compared to **PT**.

Parisot & Saunders, 2022).

DO FinSL SIGNERS FOREGROUND CD SEQUENCES (NON-)MANUALLY?





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COLLECTING A MOTION-CAPTURE DATASET OF FINSL NARRATIVES

30 narrative retellings of *Ferd'nand* comic strips by 6 Finnish Sign Language (FinSL) signers (Jantunen et al., 2022):

Video materials annotated for CA types and CD in ELAN (Crasborn & Sloetjes, 2008; Cormier et al., 2015) and motion capture system tracking 25 reflecting ball-shaped markers.

- CD sequences are typically short: they consist in 1-3 signs and involve fewer preparation and retraction movements.
- Tokens of CD could be foregrounded from telling material with both non-manual articulators (here, head movement velocity) and stiller manual prosody.
- Future research should study local kinematic differences (actual foregrounding?) and the effect of discourse genre (e.g., conversational data).