Constructed Sign Sentences in Swedish Sign Language Dictionary

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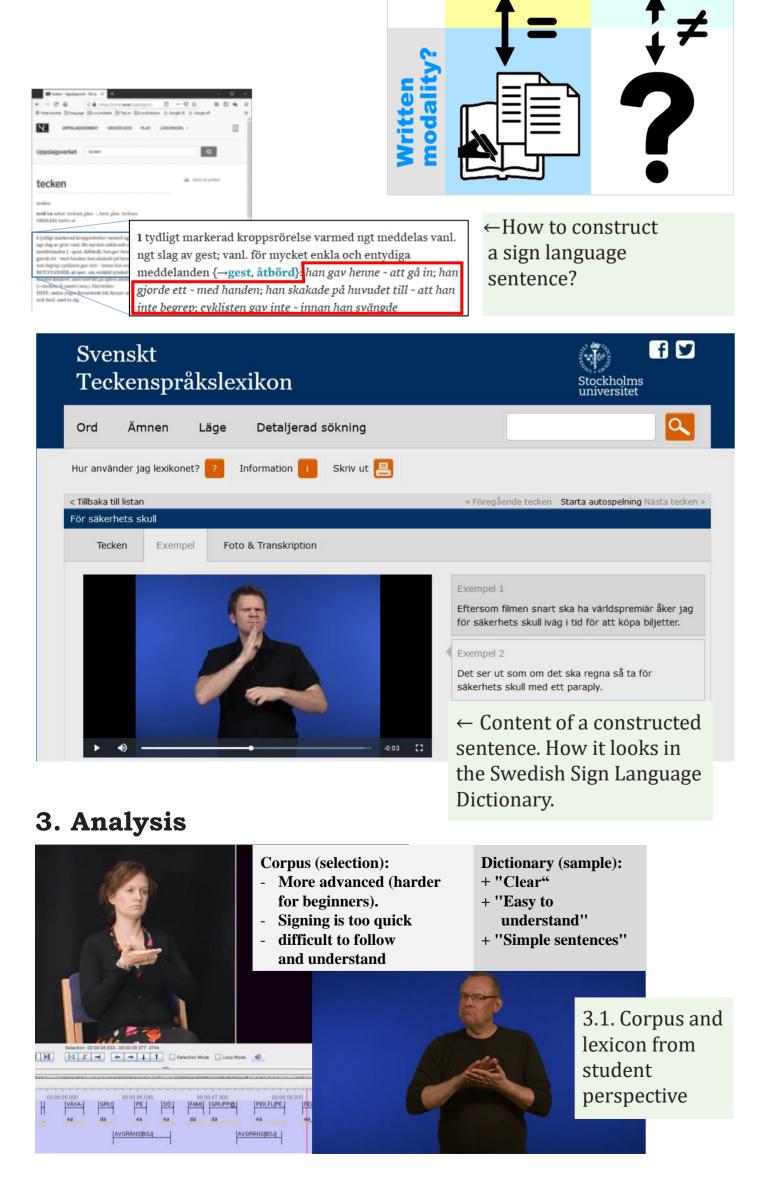
1. Introduction

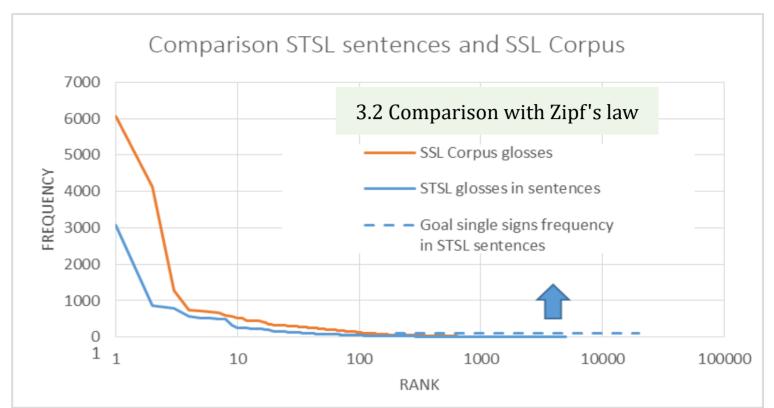


We are using constructed sign sentences in our Swedish Sign Language Dictionary, Svenskt teckenspråkslexikon (STSL), the main lexical database for SSL since 2008. We want to document our system and create for constructed sign sentences. Since the project STSL started, has just now 18,633 entries and 4,561 sentence examples.

2. Problem formulation

Spoken languages have a written form. In sign language it is more complex. \rightarrow





SSL Corpus glosses (2018-11, 93 000 token, 4 900 types) STSL glosses in sentences (2019-04, 36 000 token, 5 000 types) Goal for STSL (min 1 up to 4 per sign post, approx. 18 000 types)

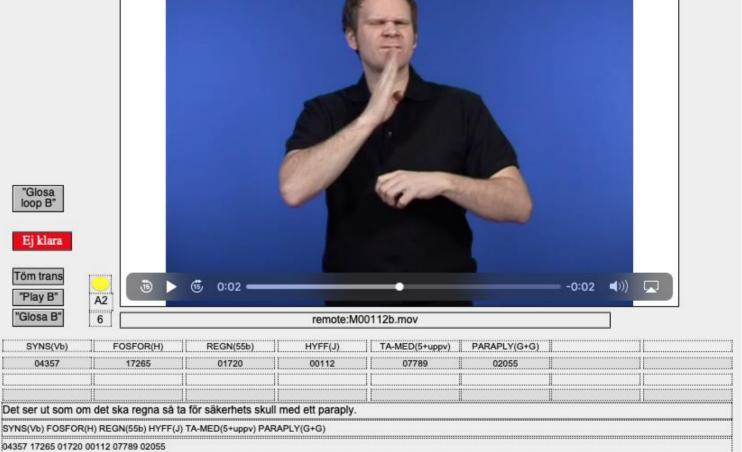
4. Result - production

				4.1.L
SYSTER (4)		POSS-1 SYSTER DÖV PRO-3		
		Min syster är döv.		Crite
		My sister is deaf.	4.2. Gloss system	constr and c
DÖV	(4)	PRO-1 DÖV		- com
		Jag är döv.		sent
		l am deaf.		- adap
				and
PAPPA	(2)	Min pappa som är döv	PRO-3 HA SYSTER	- lingu
		My dad who is deaf ha		- Follo

4.1. List of possible criteria

Criteria for the creation of						
constructed sign sentences						
and content of examples:						
complete and contextless						
sentences						
adapted pace						
and slow motion						
linguistic representativness						

		Have you seen my sister?	- Maximum 16 signs
POSS-1 (5)		HA*SE POSS-1 SYSTER Har du sett min syster?	- different types of batch
		My dad, my sister and I are deaf.	- broad domain / subject - education oriented
PRO-1	(2)	POSS-1 PAPPA POSS-1 SYSTER PRO-1 DÖV Min pappa, min syster och jag är döv.	- neutral informant
		My dad who is deaf has a sister.	- Follows SSL syntax / sentence structure



5. Conclusion

- 1. Criteria for high quality of understanding
- 2. Many single signs can appears in several example sign sentences
- 3. ID system is a simple solution to link single signs with many examples

27 September 2019, Hamburg (Germany), TISLR13 - 13th conference of Theoretical Issues in Sign Language Research www.ling.su.se