The CLARIN Knowledge Center of Lund University Humanities Lab

Frid, Johan

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The CLARIN Knowledge Center of Lund University Humanities Lab

Johan Frid

Lund University Humanities Lab is a department for research infrastructure, for interdisciplinary research, and training at Lund University. It is open to users across Lund University and beyond. We host technology, methodological know-how, data management and archiving expertise, and many research projects.

The Lab is a member of the Swedish national consortium for language technology, Swe-Clarin (http://sweclarin.se). In 2017 the Lab became a certified CLARIN Knowledge Centre with special focus on multimodal and sensor-based methods.

The Swe-Clarin node at the Lab supports and collaborates with a wide range of projects.

Historical linguistics/Language typology

DiACL (MAW/Crafoord, PI: Gerd Carling). Develops and maintains an open access database with lexical and typological/morphosyntactic data for historical, comparative and phylogenetic linguistics. It contains data from 500 languages of 18 families, divided into three macro-areas: Eurasia, Pacific, and the Amazon.

FREQUENCY OF CO-OCCURRENCE AS SOURCE AND TARGET LANGUAGE IN RELATION TO LANGUAGE SIZE

- Larger language (5-3) → smaller language (1-3) is most frequent.
- Larger language (5-3) → larger language (5-3) is also relatively frequent.
- Minor language (1) → any other language is rare.
- Medium language (2-4) → medium language is uneven in directionality (most likely due to the tricky coding of Medieval languages)
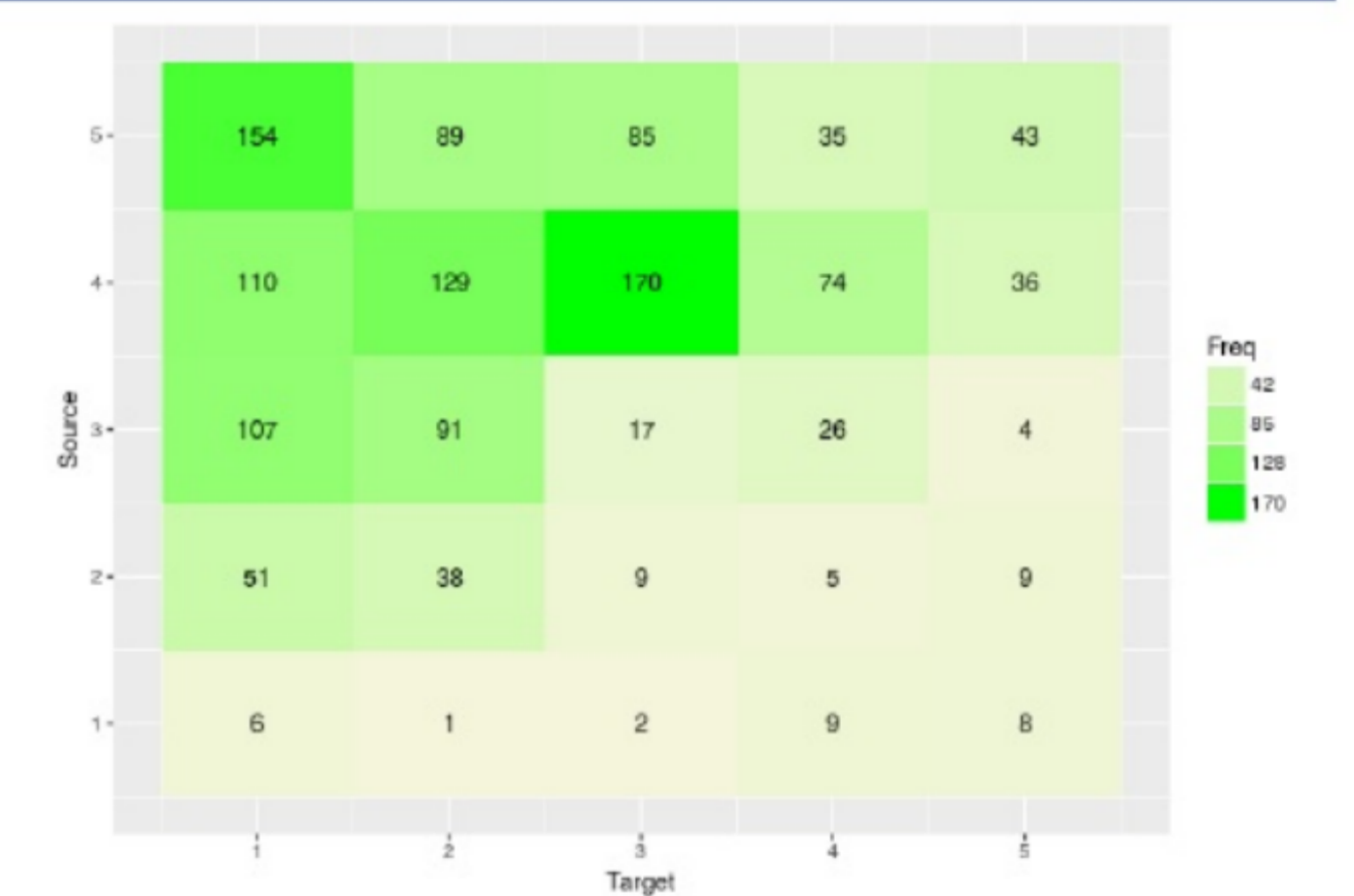
Heat map demonstrating frequency of co-occurrence as Target (x) and Source (y) language defined as language size (1-5), based on 1308 loan events

Language archiving/Minority languages

RWAAI (RJ, PI: Niclas Burenhult). RWAAI is committed to the preservation and ongoing maintenance of both legacy and recent research materials documenting the languages and cultures of Austroasiatic communities of Mainland Southeast Asia and India. The various corpora include a range of materials, among them audio and visual recordings, transcriptions and annotations, dictionaries and wordlists, photos, drawings, and maps.

Kruspe et al.
http://projekt.ht.lu.se/rwaai
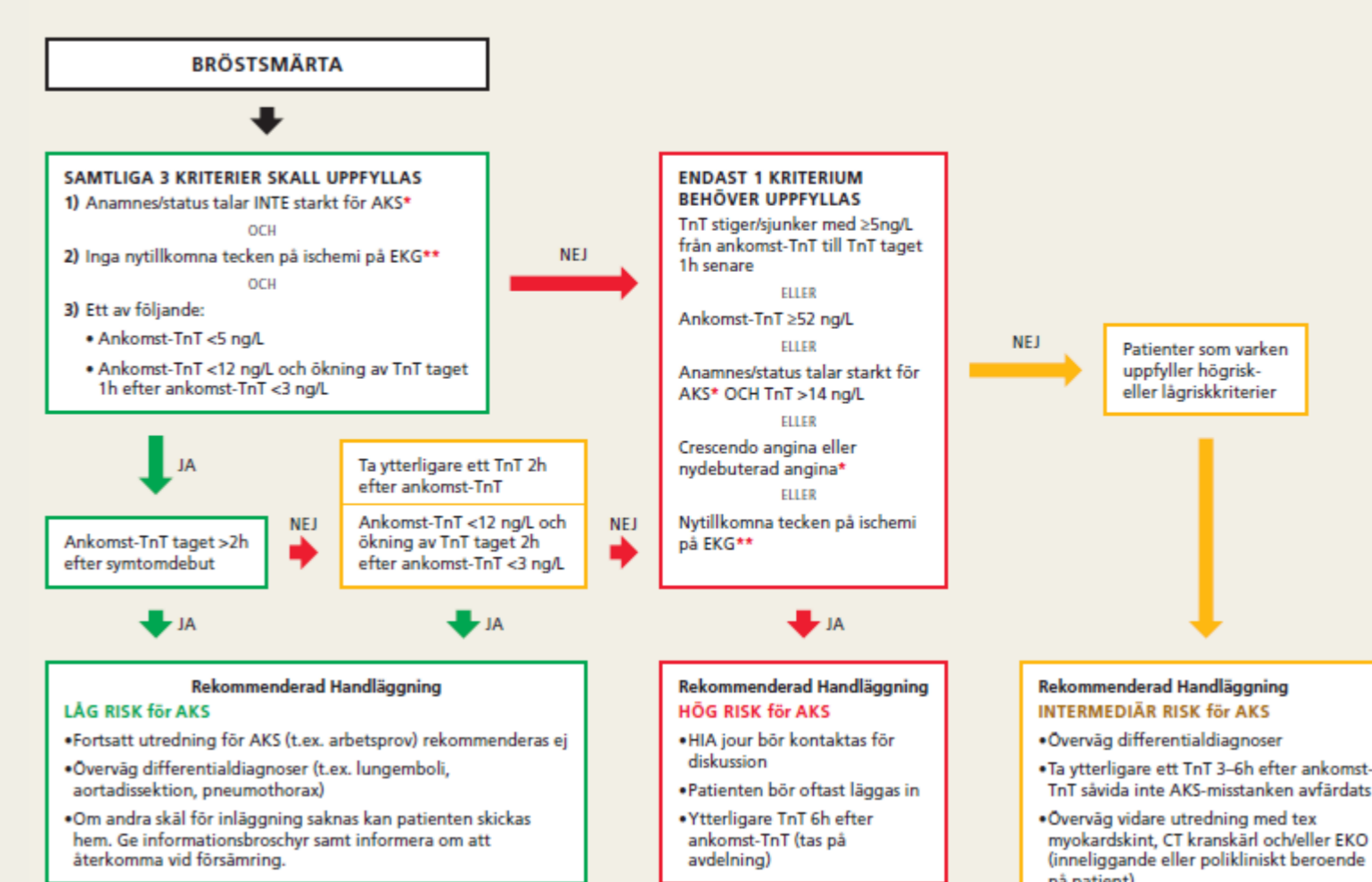
Multimodal prosody

PROGEST (VR, PI: David House, Collaboration betweeen Lund university and KTH Stockholm) This project uses articulography, motion capture and acoustics to investigate the retation between head movements, gestures, articulation and prosody, for instance the temporal synchronization of head movements and prosodic boundaries.
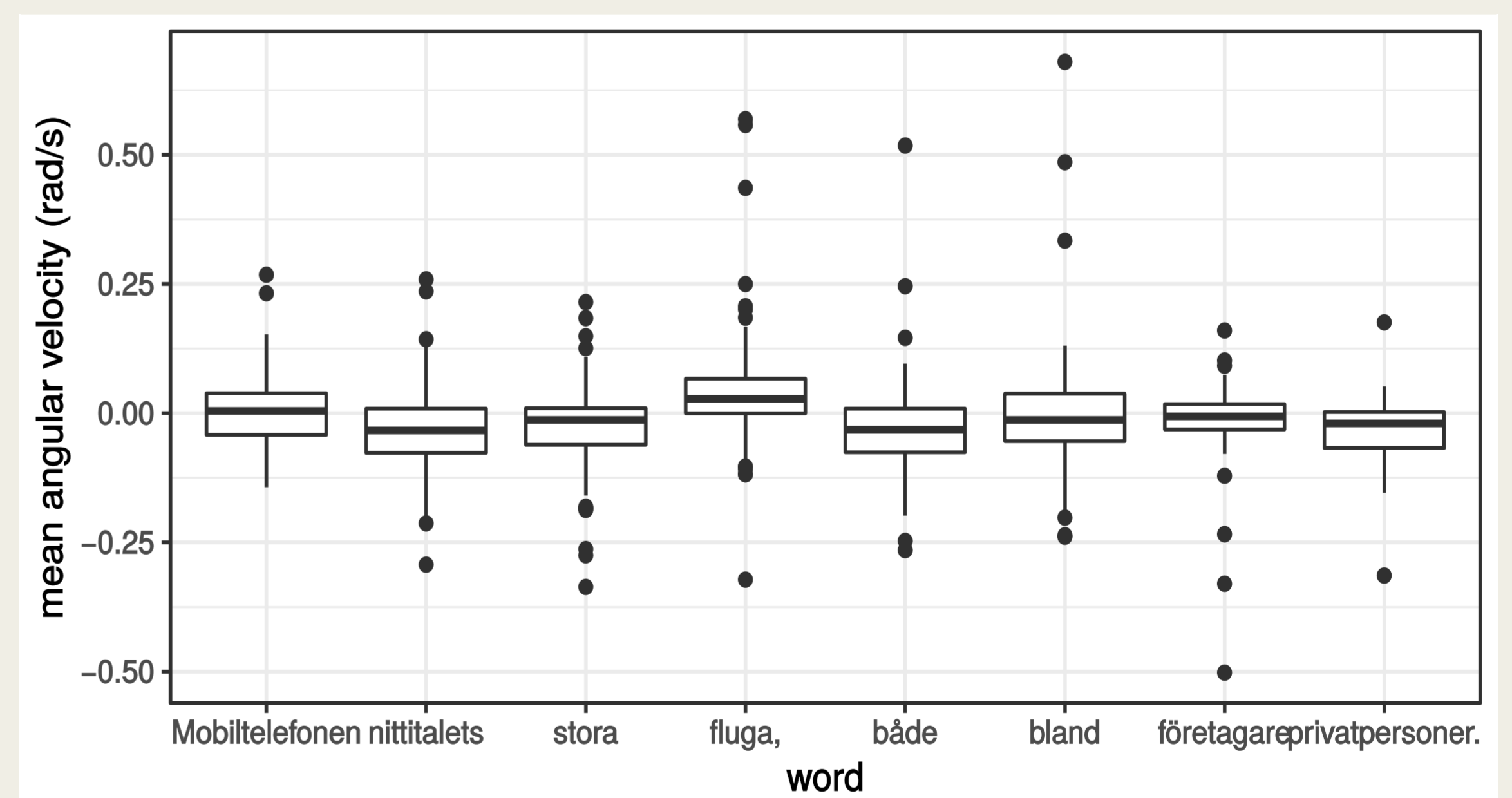
E-Health

Effektivare och mer jämlik akutvård med hjälp av avancerade medicinska beslutsstödsystem (VINNOVA, PI: Jonas Björk, Collaboration between Lund university, Clinical Studies Sweden and Skåne University Hospital). The project will develop a decision support system for acute myocardial infarction and unstable vasculitis that will make the treatment of the patient group more efficient and even more balanced. Will use and develop medical NLP methods and resources.

Algoritm för handläggning av bröstsmärtepatienter

Enrich with: IE through NLP analysis of health records

Johan Frid, Lund University Humanities Lab, johan.frid@humlab.lu.se