



LUND UNIVERSITY

The CLARIN Knowledge Center of Lund University Humanities Lab

Frid, Johan

2018

Document Version:
Other version

[Link to publication](#)

Citation for published version (APA):

Frid, J. (2018). *The CLARIN Knowledge Center of Lund University Humanities Lab*. Poster session presented at Seventh Swedish Language Technology Conference, Stockholm, Sweden.

Total number of authors:
1

Creative Commons License:
Unspecified

General rights

Unless other specific re-use rights are stated the following general rights apply:

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal

Read more about Creative commons licenses: <https://creativecommons.org/licenses/>

Take down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

LUND UNIVERSITY

PO Box 117
221 00 Lund
+46 46-222 00 00



The CLARIN Knowledge Center of Lund University Humanities Lab



LUND UNIVERSITY

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-Clarín (<http://sweclarin.se>). In 2017 the Lab became a certified CLARIN Knowledge Centre with special focus on multimodal and sensor-based methods.

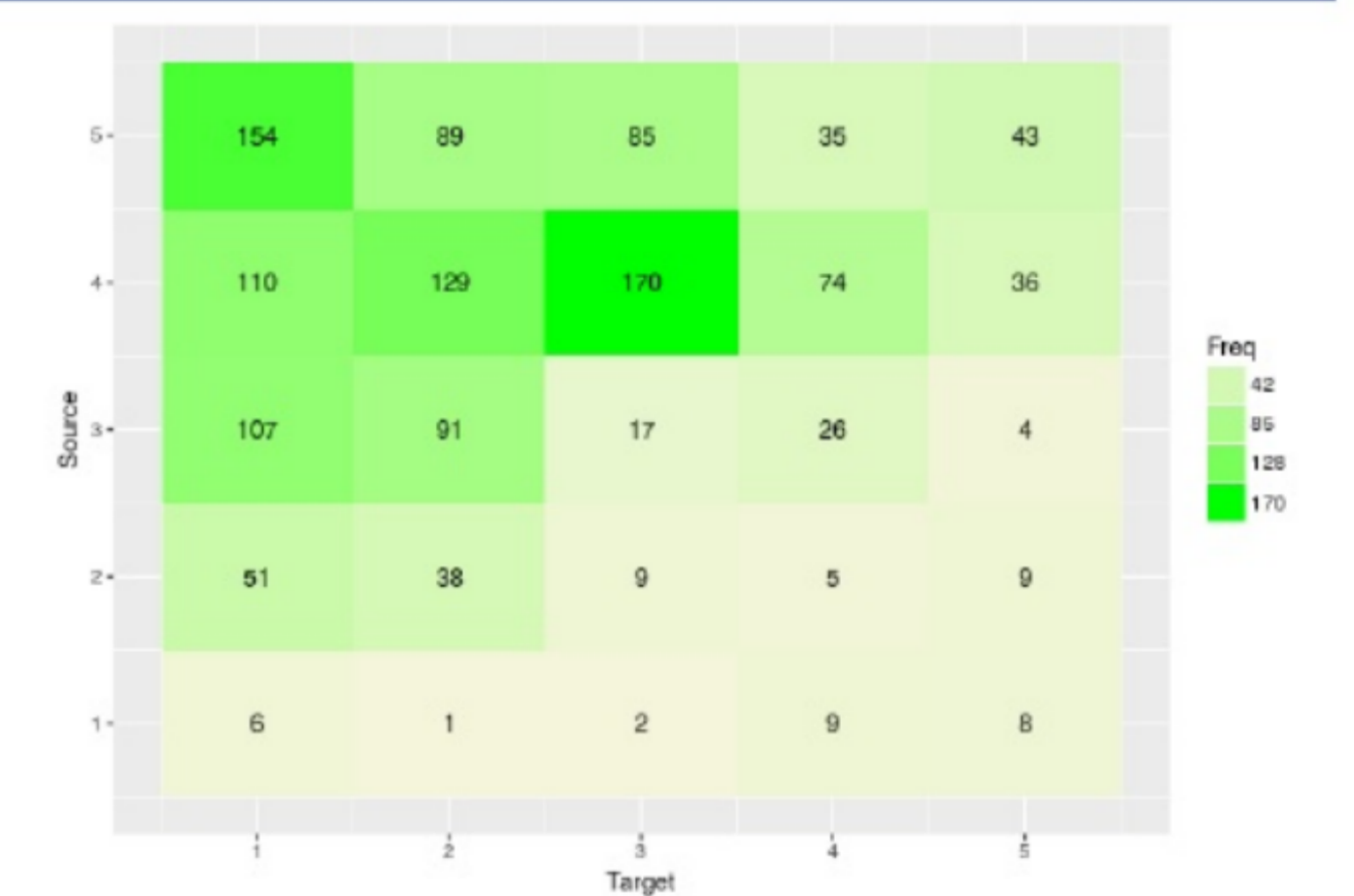
The Swe-Clarín node at the Lab supports and collaborates with a wide range of projects.

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.

RWAAI
HUMANISTISKA OCH TEOLOGISKA FAKULTETERNA | LUNDS UNIVERSITET

The repository
About RWAAI
Austroasiatic
Links
Contact

© Marianne Gullberg, 2016

RWAAI
Repository and Workspace for Austroasiatic Intangible Heritage

The Repository and Workspace for Austroasiatic Intangible Heritage is a digital multimedia resource dedicated to the maintenance of research materials documenting the intangible heritage of the Austroasiatic communities of Mainland Southeast Asia and India. It is the first resource dedicated to a specific language family in this diverse and dynamic region.

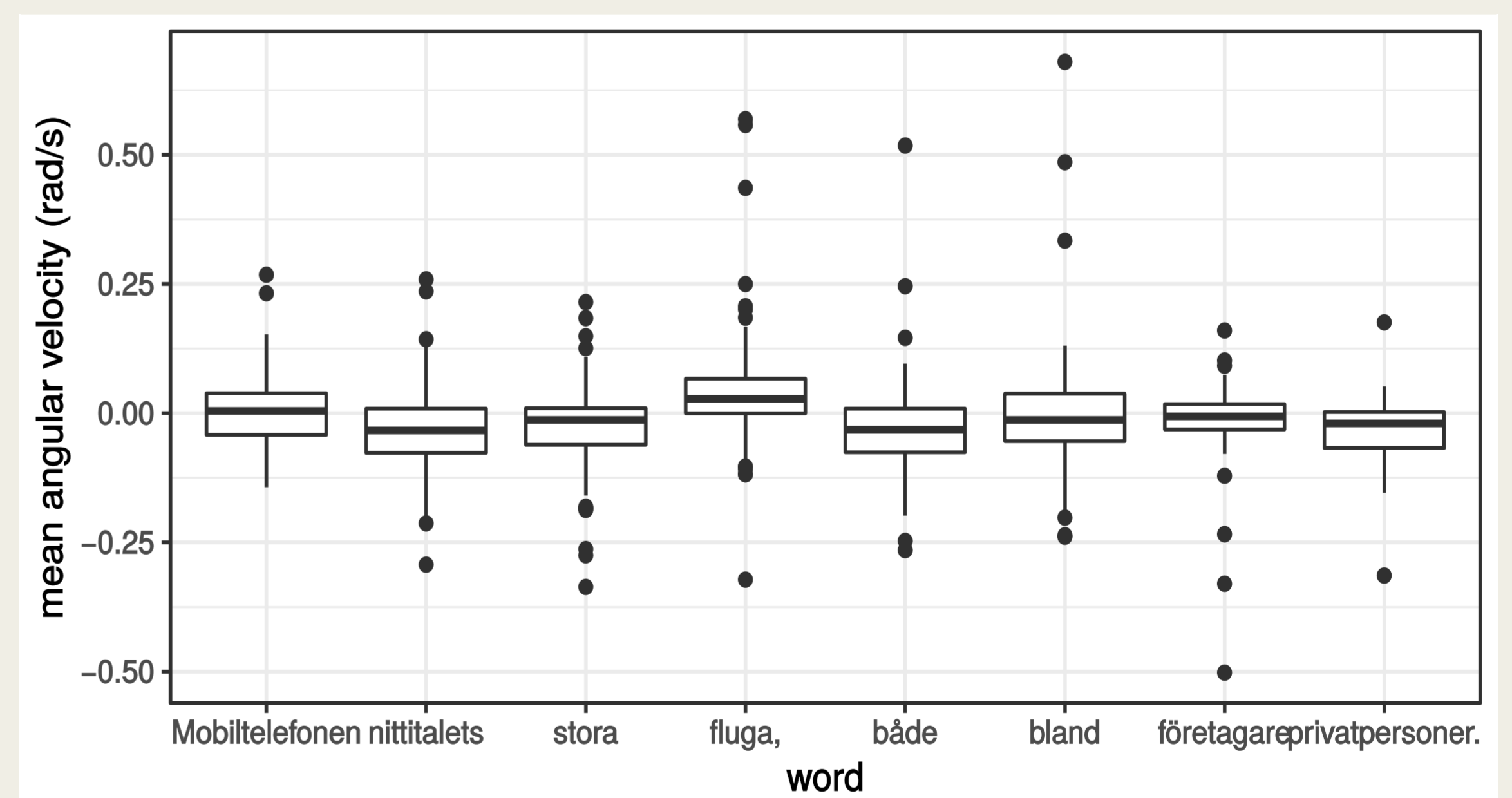
The acronym RWAAI is an adaptation of the proto-Austroasiatic form *rwaay. It is reconstructed in many branches of the family and means 'souf', or the conceptually related 'tiger-spirit' or 'tiger'. For example, in the Assam branch there is 'Santal rwaay' 'headsof', and Cak Weng rwaay and Sama-Bel rwaay both meaning 'souf'. In the Khmuic branch there is Mlabri rwaay 'tiger', and in the Palaungic language Laned rwaay 'tiger' also means 'tiger'.

RWAAI was generously funded by a Riksbankens Jubileumfond Infrastructure Grant, and administered by the Centre for Languages and Literatures. The Repository and Workspace are housed on servers hosted by the Humanities Lab. The Lund University facility is a part of the pan-European Clarín Initiative, which seeks to establish integrated and interoperable infrastructure for languages and language technology. The Language Archive, MPL, Nijmegen provide software and technical expertise in this framework.

Kruspe et al. <http://projekt.ht.lu.se/rwaa>

Multimodal prosody

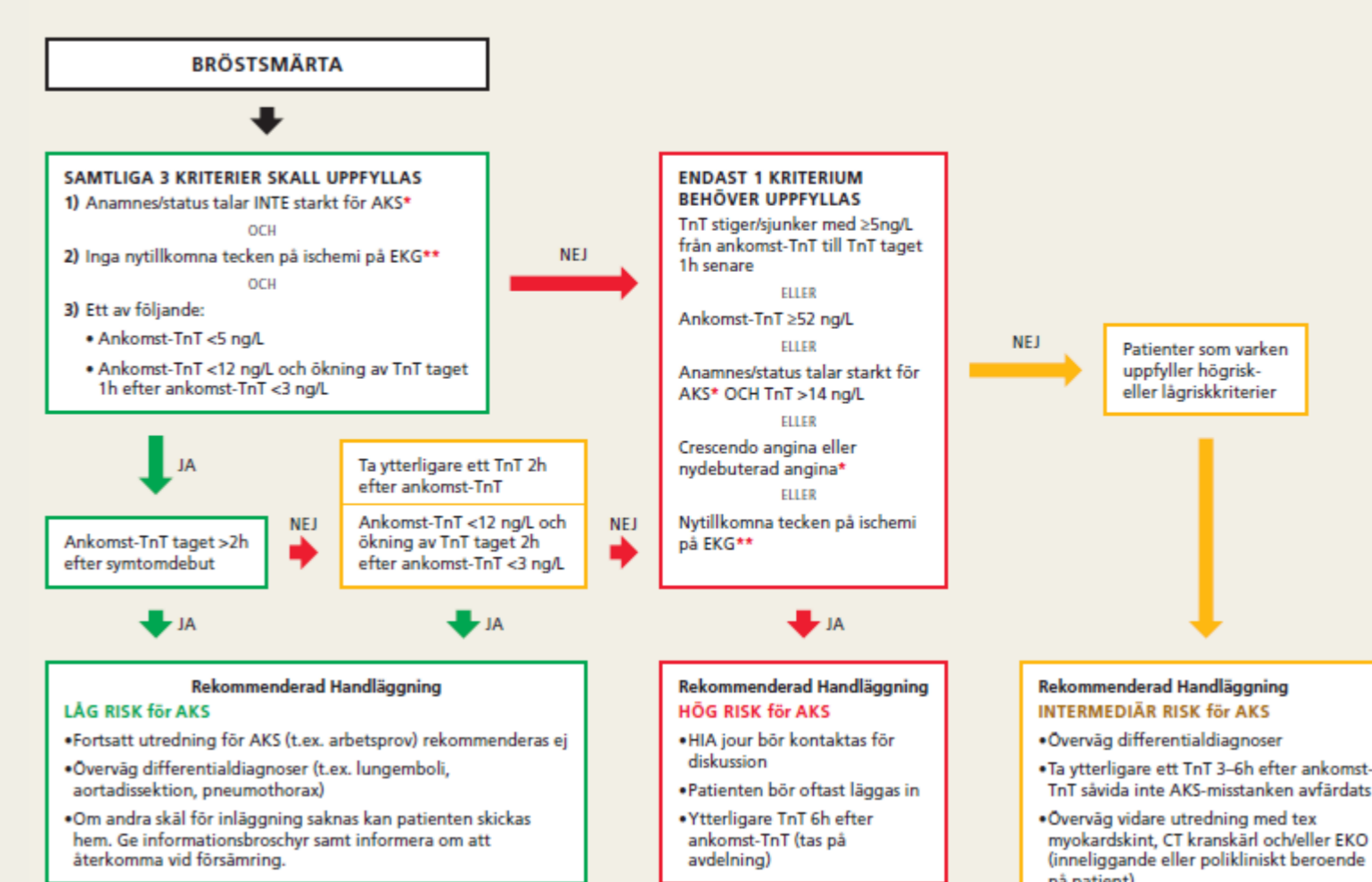
PROGEST (VR, PI: David House, Collaboration between Lund university and KTH Stockholm) This project uses articulatory, motion capture and acoustics to investigate the relation between head movements, gestures, articulation and prosody, for instance the temporal synchronization of head movements and prosodic 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