Publishing linguistic typological data at the University of Helsinki

HELDIG Summit 2019: From Text to Knowledge
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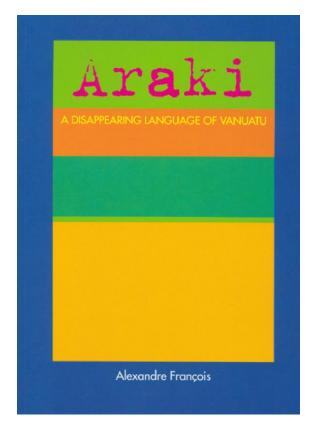
Linguistic diversity

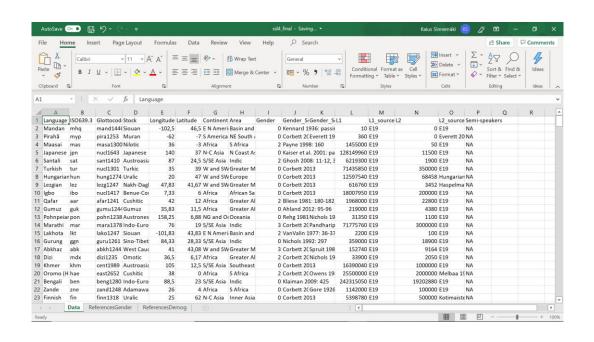
- = about understanding the nature of human language and the systematicities in its variation across different languages.
- One of the foci in the humanities research at UH.
 - Long traditions in historical-comparative linguistics.
 - Helsinki Area and Language Studies –network.
 - MA programme Linguistic Diversity and Digital Humanities (2020-).
 - ERC-funded project Linguistic Adaptation: Typological and Sociolinguistic Perspectives to Language Variation (2019–2023). https://www.helsinki.fi/en/researchgroups/linguistic-adaptation

Nature of cross-linguistic data

From linguistic fieldwork to language description to data matrices.







Nature of cross-linguistic data

- From linguistic fieldwork to language description to data matrices.
- Data types:
 - Descriptions of grammatical and lexical phenomena
 - Linguistic examples (transcribed and glossed)

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Mian (Fedden 2004)

Ó bǐn=o we+n-amab-o=be

She floor=N2 sweep+AUX.PFV.FUT.NANPL.SBJ-3SG.F.SBJ=DEC

'She will sweep the floor'
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- Data matrices
- Maps & graphs

Open publishing in language typology

- Cross-Linguistic Linked Data -initiative (https://clld.org/; MPI at Jena).
 - Offers a platform for publishing typological data openly: WALS, WOLD, APICS...
 - Available also at GitHub; archived at Zenodo.
- Standardized data formats
 - CLDF = Cross-Linguistic Data Format (Forkel et al. 2019)
 - Follows the World Wide Web Consortium (W3C) recommendations *Model for Tabular Data and Metadata on the Web* and *Metadata Vocabulary for Tabular Data*.
 - All metadata described by a JSON metadata file according to CSVW for tabular metadata specification.

Open publishing in language typology

- AUTOTYP (University of Zurich & UCB)
 - Data matrices published as csv-files.
 - Metadata published as yaml-files.

Openly available at GitHub (https://github.com/autotyp/).

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Publishing typological data at UH

- Typological data at the University of Helsinki is piling up.
 - Not many good options available for publishing the data at UH.
 - FIN-CLARIN: great for corpus data, but not necessarily for typological data.
- Data published through international initiatives or as supplements.
 - → Need for developing a more centralized option at UH.

Publishing typological data at UH

- Aim: bring together typological datasets at UH and publish them openly.
- Data format and platform:
 - Minimally data as csv-files and metadata as yaml-files (following AUTOTYP).
 - Minimally at GitHub, possibly DARIAH-FI (?)
- Timeline:
 - 2020: Bring people together, collect and standardize data, create metadata
 - 2021: continue data standardization and creating metadata
 - 2022: publish data