

This document provides the metadata for the dataset analyzed in the following publication:

Witzlack-Makarevich, Alena, Taras Zakharko, Lennart Bierkandt, Fernando Zúñiga, Balthasar Bickel. 2016. Decomposing hierarchical alignment: co-arguments as conditions on alignment. *Linguistics* 54(3).

The dataset should be cited by reference to the above-mentioned article and *additionally* as follows:

Witzlack-Makarevich, Alena, Lennart Bierkandt, Taras Zakharko, Balthasar Bickel. 2015. *AUTOTYP dataset of agreement markers in the Algonquian and Kiranti languages*. <http://www.autotyp.uzh.ch/download/CoargumentsAlgKir.zip>

The dataset includes XXX files: som1_AlgonquianRanking.csv, som2_KirantiRanking.csv, ...

Files: som1_AlgonquianRanking.csv and som2_KirantiRanking.csv

The files som1_AlgonquianRanking.csv and som2_KirantiRanking.csv both contain the following fields:

- LID arbitrary language ID, from AUTOTYP, see <http://www.autotyp.uzh.ch/available.html>
- language language name, from AUTOTYP
- ISO639.3 ISO 639-3:2007 codes for the representation of names of languages
- Form the actual form (sometimes with its allomorphs) of the respective morphological marker of agreement
- Slot the morphological slot of the marker; prefixes are indicated with the minus symbol (e.g. -1 stands for the prefix slot closest to the stem)
- Role indicates the role of the marked argument (A or P)
- PoS referential category of arguments referenced by the respective marker, mostly person and number category, but also clusivity and animacy; language-specific categories like 'proximative', 'topical', 'definite' etc. are captured by two typological types 'higher discourse rank' vs. 'low discourse rank'
- co_Role the co-argument's role of the marked argument (A or P)
- co_PoS the co-argument's referential category of the marked argument (same types as for Ref)
- TAM largely language-specific tense and aspect properties of the clause, as well as the reference to either the dependent or independent order in the Algonquian languages
- Fmtv_ID arbitrary formative/marker ID, from AUTOTYP
- blocks arbitrary ID of the formative/marker blocked by the marker with Fmtv_ID
- hierarchy ranking of two referential categories established on the basis of the marked argument

Files: som3_AlgonquianAggregated.csv and som4_KirantiAggregated.csv

These files contain the aggregated ranking per language produced on the basis of som1_AlgonquianRanking.csv and som2_KirantiRanking.csv and given in Table 6 and Table 7 of Section 5.3.

File: som5_calculate_hierarchies.py

The file som5_calculate_hierarchies.py is a Python script used to detecting hierarchical rankings of persons (first, second, and third) within each slot, see the paper for details. It was written by Sebastian Bank.

Files: som6_hierarchy.evolution.R and som7_hierarchy.evolution.pdf

The file som6_hierarchy.evolution.R is a heavily annotated R script for performing the statistical analyses in the paper and som7_hierarchy.evolution.pdf contains the output of the script along with technical and methodological details.

File: som8_AlgKir.bib

This file contains bibliographic references of the grammars consulted to encode agreement marking in the Algonquian languages. These are the following:

- Arapho (Cowell & Moss 2008)
- Blackfoot (Frantz 1991)
- Cheyenne (Leman 1980)
- Cree (Plains) (Dahlstrom 1991)
- Micmac (Hewson & Francis 1990)
- Munsee (Goddard 1979)
- Ojibwa (Eastern) (Valentine 2001)
- Passamaquoddy (Sherwood 1986)

Grammars consulted to encode agreement marking in the Kiranti languages:

- Athpare (Ebert 1997b)
- Bahing (Michailovsky 1975)
- Bantawa (Doornenbal 2009)
- Belhare (Bickel 2003)
- Camling (Ebert 1997a)
- Chintang (Bickel et al. 2010)
- Dumi (van Driem 1993)
- Jero (Opjenort 2005)
- Kōic (Borchers 2008)
- Koyi (Lahaussois 2009)

- Kulung (Tolsma 1999)
- Limbu (van Driem 1987)
- Lohorung (van Driem 1992)
- Puma (Schackow 2008)
- Wambule (Opgenort 2004)
- Yamphu (Rutgers 1998)

References

- Bickel, Balthasar. 2003. Belhare. In Graham Thurgood & Randy J. LaPolla (eds.), *The Sino-Tibetan languages*, 546–570. London: Routledge.
- Bickel, Balthasar, Manoj Rai, Netra Paudyal, Goma Banjade, Toya Nath Bhatta, Martin Gaenszle, Elena Lieven, Iccha Purna Rai, Novel K. Rai & Sabine Stoll. 2010. Ditransitives and three-argument verbs in Chintang and Belhare (Southeastern Kiranti). In Andrej Malchukov, Martin Haspelmath & Bernard Comrie (eds.), *Studies in ditransitive constructions. A comparative handbook*, 382–408. Berlin: de Gruyter Mouton.
- Borchers, Dörte. 2008. *A grammar of Sunwar: descriptive grammar, paradigms, texts and glossary*. Leiden: Brill.
- Cowell, Andrew & Alonzo Sr. Moss. 2008. *The Arapaho language*. Boulder: University Press of Colorado.
- Dahlstrom, Amy. 1991. *Plains Cree morphosyntax*. New York: Garland Publishing.
- Doornenbal, Marius Albert. 2009. *A grammar of Bantawa*: University of Leiden PhD dissertation.
- van Driem, George. 1987. *A grammar of Limbu*. Berlin: Mouton de Gruyter.
- van Driem, George. 1992. Le proto-kiranti revisité: morphologie verbale du lohorung. *Acta Linguistica Hafniensia* 24.
- van Driem, George. 1993. *A grammar of Dumi*. Berlin: Mouton de Gruyter.
- Ebert, Karen H. 1997a. *Camling (Chamling)*. Munchen: Lincom Europa.
- Ebert, Karen H. 1997b. *A grammar of Athpare*. Munich: Lincom Europa.
- Frantz, Donald. 1991. *Blackfoot grammar*. Toronto: University of Toronto Press.
- Goddard, Ives. 1979. *Delaware verbal morphology*. New York: Garland Publishing.
- Hewson, John & Bernard Francis. 1990. *The Micmac grammar of Father Pacifique*. Winnipeg, Manitoba: Algonquian and Iroquoian Linguistics.
- Lahaussois, Aimée. 2009. Koyi Rai: an initial grammatical sketch. *Himalayan Linguistics Archive* 4. 1–33.
- Leman, Wayne. 1980. *A reference grammar of the Cheyenne language*, vol. 1 and 2 Occasional Publications in Anthropology. Greeley: Museum of Anthropology, University of Northern Colorado.
- Michailovsky, Boyd. 1975. Notes on the Kiranti verb. *Linguistics of the Tibeto-Burman Area* 2(2). 183–218.
- Opgenort, Jean Robert. 2004. *A grammar of Wambule*. Leiden: Brill.
- Opgenort, Jean Robert. 2005. *A grammar of Jero, with a historical comparative study of the Kiranti languages*. Leiden: Brill.
- Rutgers, Roland. 1998. *Yamphu: grammar, texts, and lexicon*. Leiden: CNWS.
- Schackow, Diana. 2008. *Clause linkage in Puma (Kiranti)*. Universität Leipzig MA thesis.
- Sherwood, David F. 1986. *Maliseet-Passamaquoddy verb morphology*, vol. 105 Canadian Ethnology Service, paper. Ottawa: National Museums of Canada.
- Tolsma, Gerard. 1999. *A grammar of Kulung*: University of Leiden PhD dissertation.
- Valentine, J. Randolph. 2001. *Nishnaabemwin reference grammar*. Toronto: University of Toronto Press.