



MPI-EVA Leipzig

Martin Haspelmath


Introducing CrossGram, a complementary project



Universität Leipzig



CrossGram: a publication repository for cross-linguistic grammatical data



Contributions Languages L-Parameters Constructions Examples Sources Authors

Legal Download Contact

Welcome to CrossGram^{beta}


CrossGram is a publication repository for cross-linguistic data resulting from research on grammatical patterns in the world's languages. It is part of the CLLD series of projects ([Cross-Linguistic Linked Data](#)) hosted by the Max Planck Institute for Evolutionary Anthropology since 2008 (lead developer: Robert Forkel).

All CrossGram contributions conform to the CLDF standard ([Cross-Linguistic Data Formats](#)). A CrossGram contribution has a title, a set of authors and a year of publication and can be cited as a separate publication, though it is usually associated with a standard journal or book publication.

A CrossGram publication covers between 20 and 1200 languages, and it provides information about the languages (language parameters, l-parameters), or information about cross-linguistically comparable constructions (construction parameters, c-parameters). Each contribution includes bibliographical references about the languages, and some of the contributions include example sentences.

CrossGram is edited by Martin Haspelmath in collaboration with Johannes Englisch (Max Planck Institute for Evolutionary Anthropology).

[Max Planck Institute for Evolutionary Anthropology, Leipzig](#)



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[Disclaimer](#)
[Application source \(0df895d\) on](#)
GitHub

crossgram.cld.org



Contributions

Showing 1 to 8 of 8 entries

← Previous 1 Next →



Name	Authors	Year	Data source	Cite
<input type="text" value="Search"/>		<input type="text" value="Search"/>		
Linguistic diversity in space and time	Johanna Nichols	1992	Github: cldf-datasets/nicholsdiversity	<input type="button" value="cite"/>
Zero marking and the order of core arguments	Kaius Sinnemäki and Noora Ahola	2010	Github: cldf-datasets/sinnemakizeromarking	<input type="button" value="cite"/>
The 'give' event in Papuan languages	Gerard P. Reesink	2013	Github: cldf-datasets/reesinkgive	<input type="button" value="cite"/>
Negative existentials: A cross-linguistic study	Ljuba Veselinova	2013	Github: cldf-datasets/veselinovanegex	<input type="button" value="cite"/>
Order of demonstrative, numeral, adjective, and noun	Matthew S. Dryer	2018	Github: cldf-datasets/dryerorder	<input type="button" value="cite"/>
Names and nominal classification	Corinna Handschuh	2019	Github: cldf-datasets/handschuhnames	<input type="button" value="cite"/>
Interrogatives as relativizers in Indo-European	Sandra Auderset	2020	Github: cldf-datasets/audersetinterrog	<input type="button" value="cite"/>
Estimative constructions cross-linguistically	Guillaume Jacques	2023	Github: cldf-datasets/jacquesestimative	<input type="button" value="cite"/>

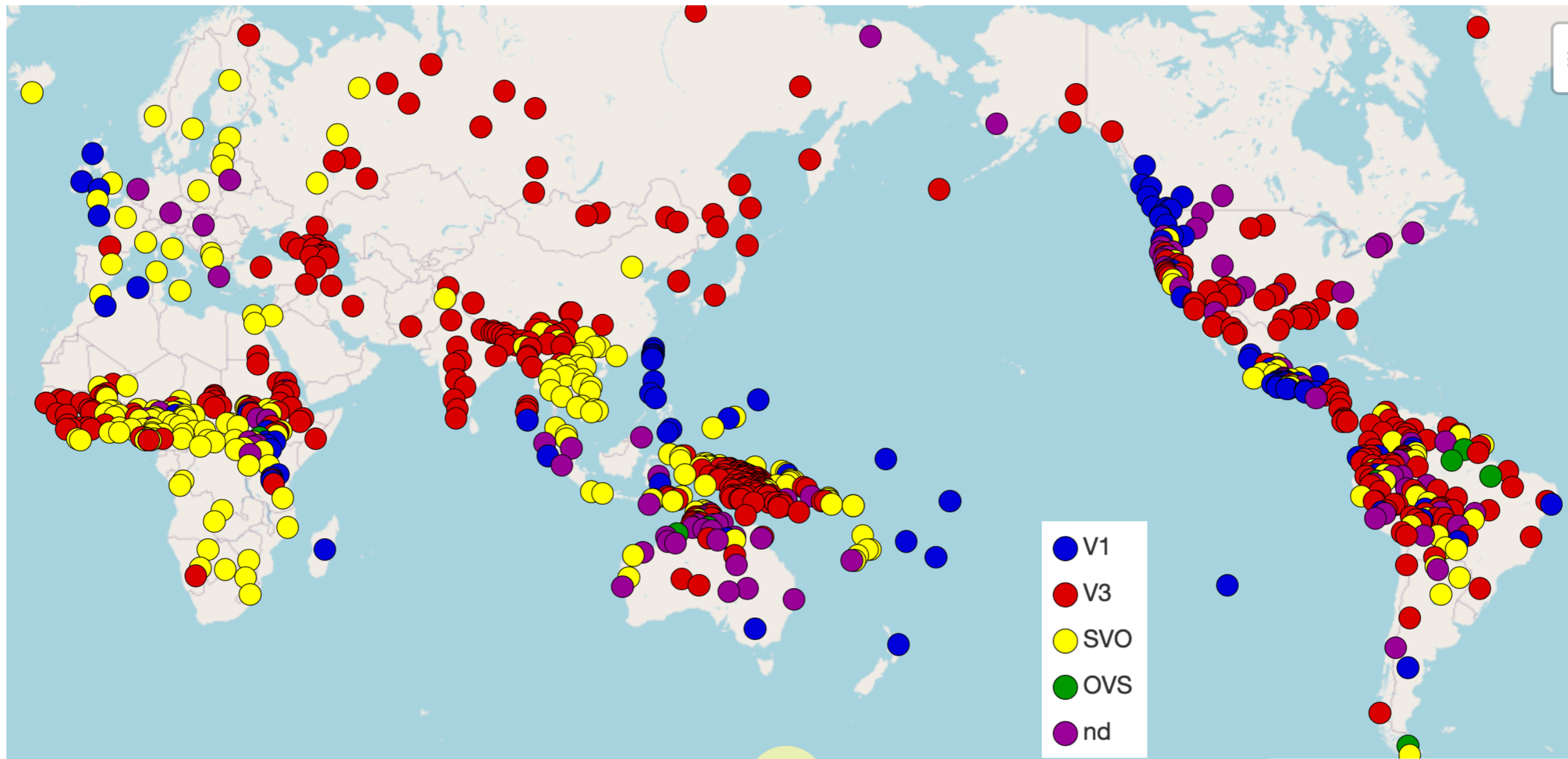
Showing 1 to 8 of 8 entries

← Previous 1 Next →



Contribution: Zero marking and the order of core arguments

by Kaius Sinnemäki and Noora Ahola



Contribution: Interrogatives as relativizers in Indo-European

by Sandra Auderset



Examples

Showing 1 to 3 of 3 entries (filtered from 32 total entries)



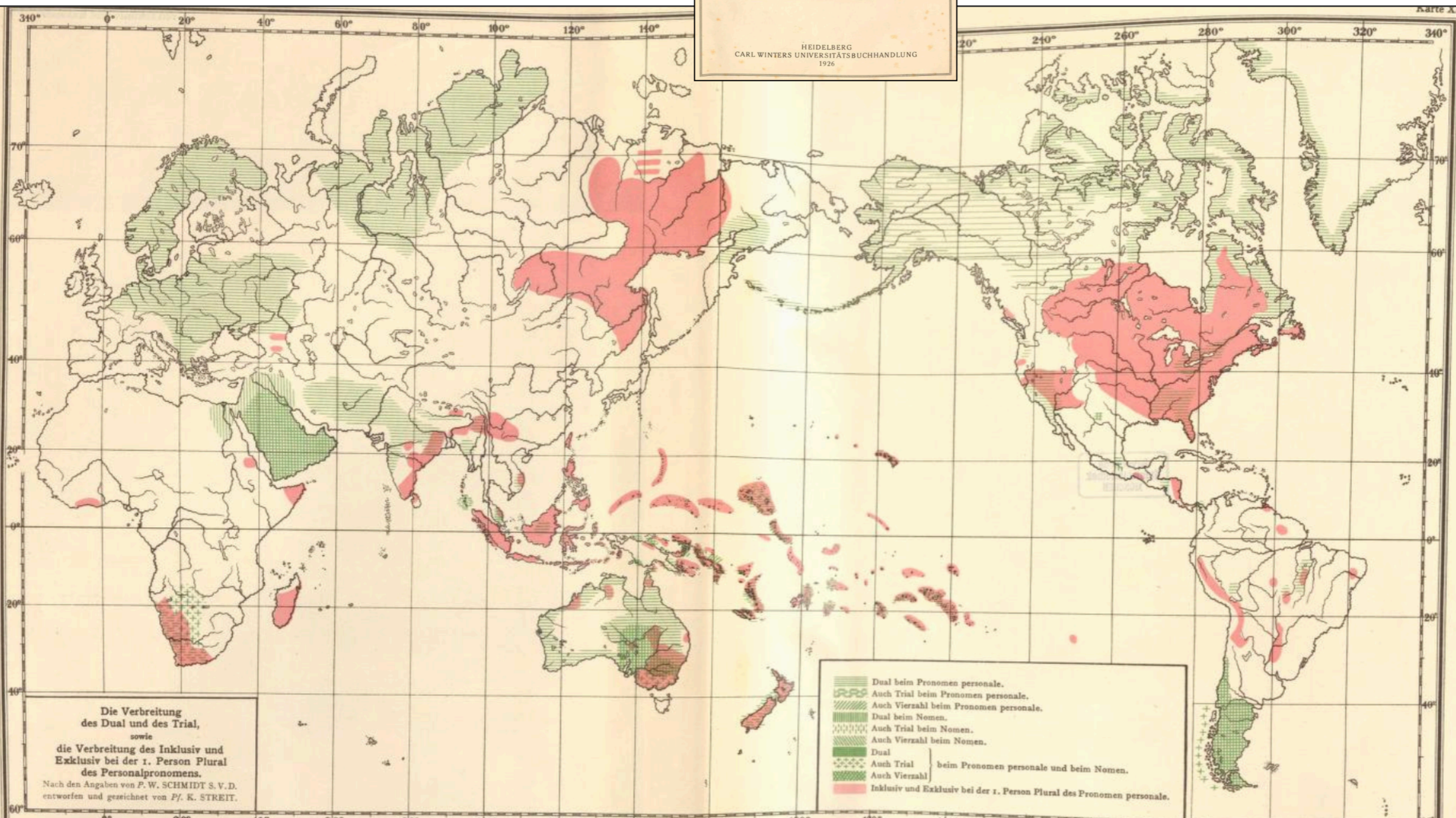
Language ▲	Primary text ▼	Analyzed text ▼	Gloss ▼	Translation ▼	Contribution ▼	Details
<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="3pl"/>	<input type="text" value="Search"/>	<input type="text" value="Search"/>	
Finnish	pahe-ksu-n he-idän käytös-tä-än	pahe-ksu-n he-idän käytös-tä-än	bad-ESTIM-1SG.PRS them-PL.GEN behavior-PART-3PL.POSS	“I disapprove of their behavior’.”	Estimative constructions cross-linguistically	more
Lakota	wašté-wičha-wa-lake	wašté-wičha-wa-lake	good-3PL.O.ANIM-1SG:ACTIVE-ESTIM	“I like them.”	Estimative constructions cross-linguistically	more
Sandawe	ʔà: ʰí:à ʰlǒ:kó-~ɿ-sò hèsó ìò:-m̩sé-à	ʔà: ʰí:à ʰlǒ:kó-~ɿ-sò hèsó ìò:-m̩sé-à	3PL Dikdik children-SP-3A.PL they mother-ESTIM-CONN	“Then Dik-dik’s children thought it was their mother, and...”	Estimative constructions cross-linguistically	more

Showing 1 to 3 of 3 entries (filtered from 32 total entries)

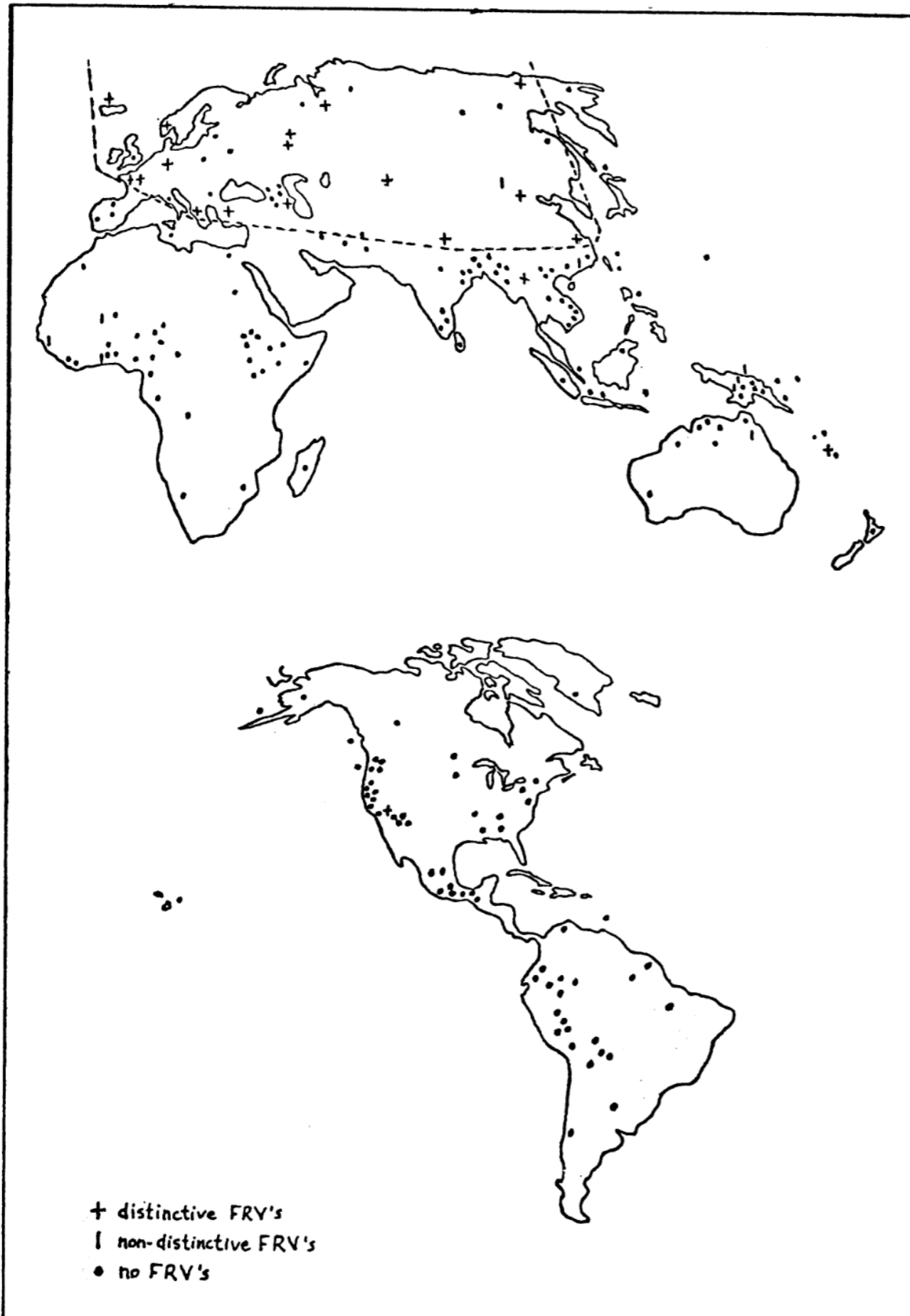
Some history

dual and clusivity

1926

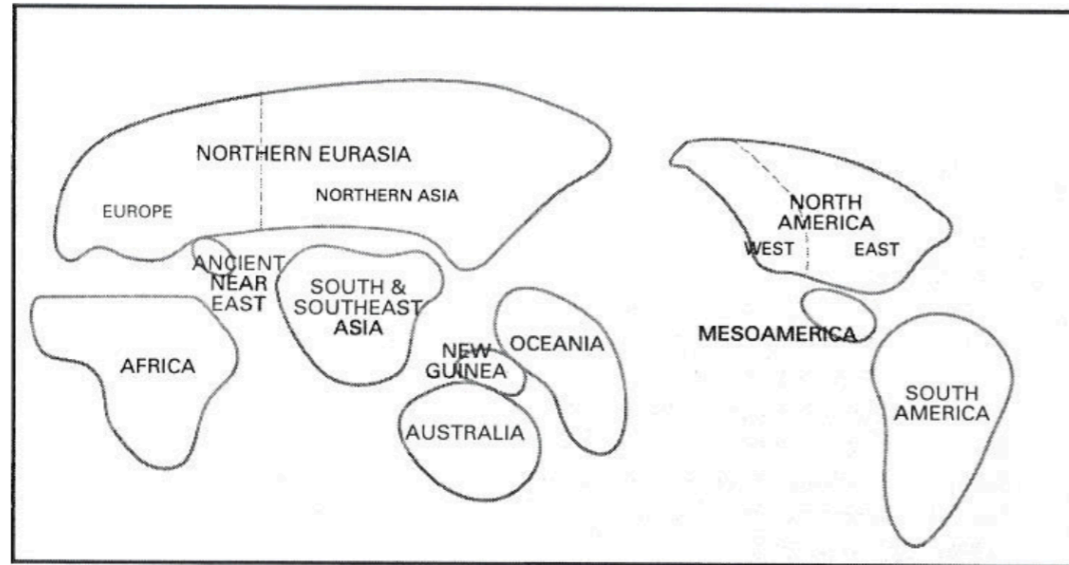
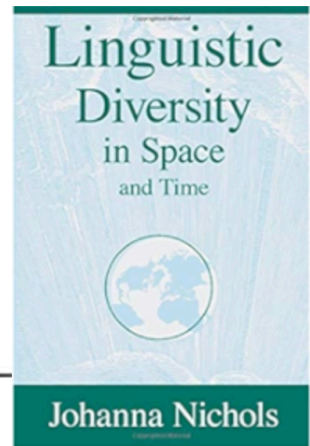


Crothers (1976) front rounded vowels

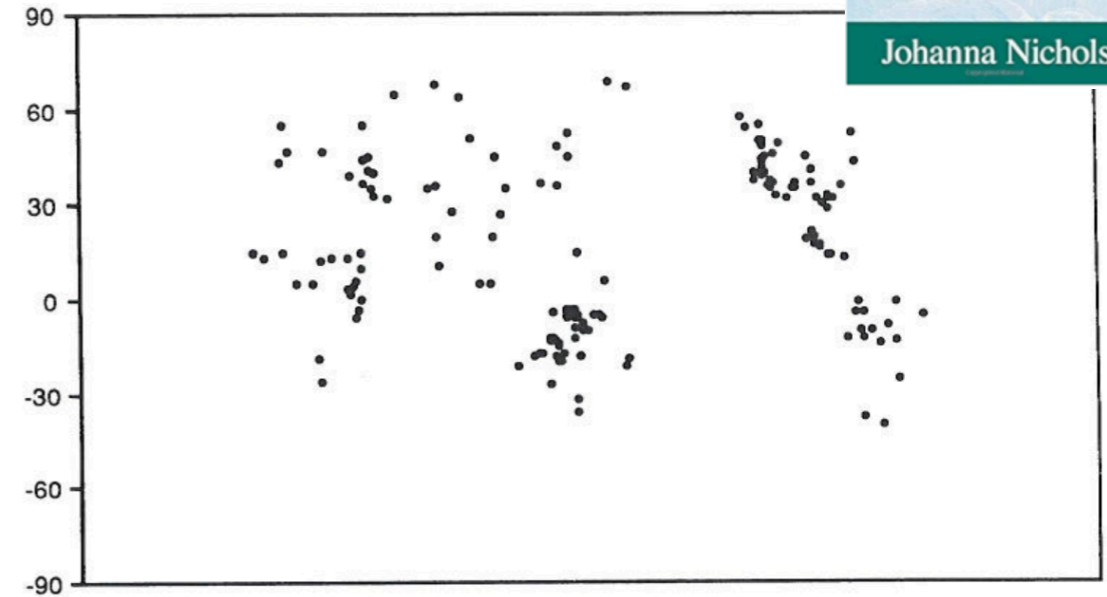


Nichols (1992)

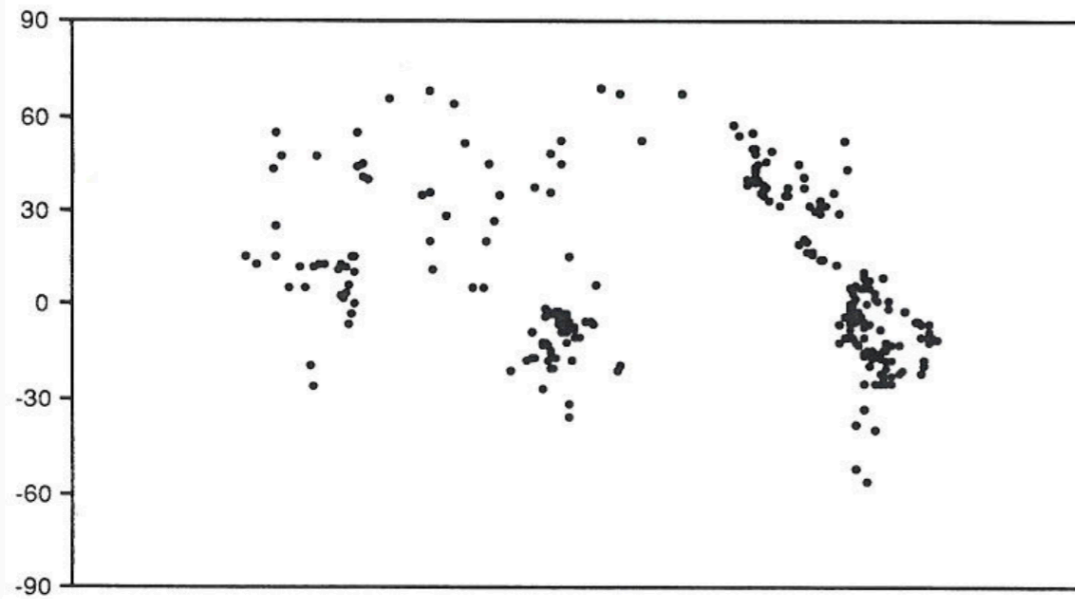
Linguistic diversity in time and space



Map 1. Sample areas



Map 3. Sample languages



Map 2. Modern language families

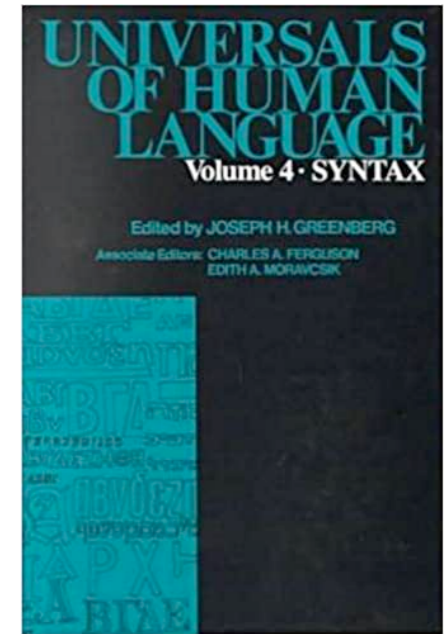


Map 4. Head-marking languages in sample

Since 1978, some authors of typological papers have given data tables with a few dozen languages, e.g. Ultan (1978); Stassen (1997) gives a table with 410 languages.

Ultan (1978)

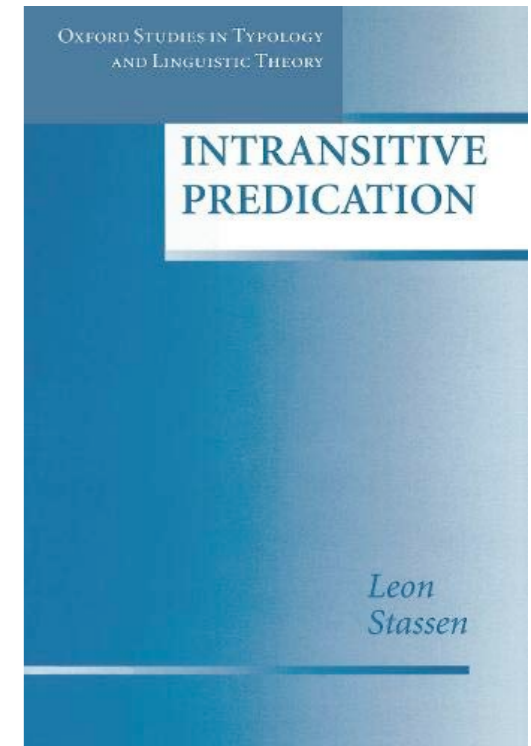
Acoma	New Mexico	Keresan	Miller	B	B. 1		
Albanian	Albania	Indo-European	Newmark, Pekmezi	B	B. 1		
Amharic	Ethiopia	Semitic	Klingenheben	B	A, B, C	gen	obj
Arabic, Egyptian	Egypt	Semitic	Hanna	B	B		
Arabic, Syrian	Syria	Semitic	Cowell	A, B	A, B	gen	
Aramaic	Azerbaijan	Semitic	Garbell	B	C, D	gen	
Aranda	C Australia	?	Strehlow	A	A, A.1, A.4, D		
Asmat	SW New Guinea	Papuan	Voorhoeve	B	B		
Assiniboine	NC U.S. and Canada	Siouan	Levin	B	B	gen?	
Basque	Spain, France	isolate	Zamarripa	A	A	Ndem	
Bengali	E India	Indic	Ray	A	A	gen	obj
Berber	Algeria	Afro-Asiatic	Basset	B	A, A. 2	Ndem	
Burushaski	Afghanistan	?	Lorimer	A	A	gen	obj
Canarese	S India	Dravidian	Spencer	A	A	gen	obj, loc
Cayuvava	Bolivia	?	Key	B	B	Ndem	
*Celtic	Ireland	Indo-European	Lewis, Pokorny	B?	A, A. 2		loc
Chagatay	Turkestan	Turkic	Eckmann	A. 2, B	A, B. 1		obj
Chamorro	Guam	Indonesian	Costenoble	A, B	A, B. 1, C		obj
Chinese, Mandarin	NE China	Sino-Tibetan	Chao	A, B	A	gen	
Chontal	S Oaxaca	Tequistlatecan	Waterhouse	B			
Cocopa	Arizona, California	Yuman	Crawford	B, B. 1	B, B. 1		
Dani	W New Guinea	?	Van der Stap	A, B			
English	U.S.A.	W Germanic	Bach, C.S. Smith	A, A. 3, B	A, A. 4	gen	obj, gen, sub
Ewe	Ghana, Togo	Kwa	Westermann	A, B. 1	A, B, B. 1, C. 1	gen?	obj
Finnish	Finland	Finno-Ugric	Peters	A, A. 2, B	A, A. 2	gen	loc
French	France	Romance	Langacker	A, B	A	Ndef	obj, loc
Fula	C and W Africa	West Atlantic	Westermann	A	B	Ndem	obj
Georgian	Georgia (Cauc.)	Other Cauc. langs.	Marr	A, B	A	gen	obj
Gola	Liberia	West Atlantic	Westermann	B	B		
Grebo	Liberia	Kwa	Innes	A	A	Ndem	
Greek, Modern	Greece	Indo-European	Householder, Thumb	A	A	Ndem	
Guaraní	Paraguay	Tupian	Gregores	B			
Hebrew	Israel	Semitic	Rosen, Steuernagel	B	A, A. 2, B		obj
Hindi	India	Indic	Bender	A	A	gen	gen, loc
Huichol	WC Mexico	Coran (Uto-Aztecan)	Grimes	B, B. 1	B. 1		
Italian	Italy	Romance	Young	B	A	Ndef	
Jamaican Creole	Jamaica	Germanic	Bailey	A, B	A, B	gen	
Japanese	Japan	isolate	Chew, Harada, Jinushi	A	A	gen	
Jaqaru	E Peru	Quechuan	Hardman	B	A. 2		
Karok	California	Hokan	Bright	B	B. 1		
Khasi	N Assam	Mon-Khmer	Rabel	A	A		
Konkow	California	Maiduan (Penutian)	Ultan	A, B	A		
Korean	Korea	isolate	Ramstedt	A	A, B		obj
Kürkū	NE India, Burma	Munda	Drake	A	A		obj, gen
Lithuanian	Lithuania	Baltic	Senn	A	A	Ncon	obj, gen, sub
Malagasy	Madagascar	Malayan	Malzac	B	B, B. 1, C?	Ndef	
Malay	Malaya, Indonesia	Malayan	Kähler	B	A, B	Ncon	
Maltese	Malta	Semitic	Aquilina	A, B	A, B	gen	loc
Maori	New Zealand	Polynesian	Hohepa	B	B	Ncon	gen
Miwok, S Sierra	California	Miwokan (Penutian)	Broadbent	A. 2	A. 3		
Mongolian, Khalkha	E Asia	Altaic	Poppe	A, B	A	gen	sub
Ossetic	C Caucasus	Indo-Iranian	Abaev	A	A, A. 2		
Panjabi	NC India	Indic	Gill	A?	A		loc
Pashto	Afghanistan	Iranian	Shafeev	A, B	A		
Persian	Iran	Iranian	Rastorgueva	B, C, C. 1	C	Ndem	*gen
Piro	E Peru	Arawakan	Matteson	B, C	A, B, C	Ncon	
Russian	U. S. S. R.	Slavic	Potapova	B	A	gen	loc
Saker	NE New Guinea	?	Z'graggen	A, B	A, B. 1		
Sango	C African Rep.	Adamawa -Eastern	Samarin	A	A		obj, sub
Sentani	NC New Guinea	?	Cowan	A, B	A, B, B. 1		



Language	Pattern	Limitation	Switch	Type	Parameter	Remarks
Mesoamerican	Mixtec	A X V V C L				
		B 10 V C C L	ADJ	8-10	SPLIT	
	Popoloc	A X V V 0 L				
		B 10 V 0 0 L	ADJ	8-10	INCR	
	Chatino	A X V V C L				
		B 10 V C C L	ADJ	8-10	SPLIT	
Zapotec	A X V V C L					
	A X V V 0 L					
	A X V V 0 L		N	8-8	INTERN	-
Chinantec	A X V V C L					
<i>MACRO-CHIBCHAN</i>						
Chibchan	Bribri	B 10 V V C L				
		B 11 V L C L	ADJ	10-11	FREE	-
	Rama	B 10 V 0 0 L				
	B 12 V I. I. I.		M (min)	10-12	FREE	
Choco	Miskito	B 12 V L L L Past				
		C 18 C C C C Present	M (ext)	12-18	PRES	Non-merging
	Waunana	B 12 V L L L				
	Epena Podoc	B 11 V I. 0 L				
Barbacoan		B 11 V I. C L	N	11-11	INTERN	
	Awa-Kwaiker	B 12 V L L L				
<i>MACRO-CARIB</i>						
Carib	Apalai	B 12 V L L L L Past				
		C 13 L L L L L Present	V	12-13	PRES	Loc-merging Multi-rooted BE?
	Hixkaryana	B 12 V L L L L Past				
		B 10 V 0 0 L Present	M (min)	10-12	PRES	
		B 11 V I. 0 L Present	ADJ	10-11	PERM	
	B 12 V I. L. I. Present	N	11-12	PERM		
<i>ANDINO-CARIB</i>						
Macushi	B 12 V L L L L Past					
	B 10 V 0 0 L Present		M (min)	10-12	PRES	Multi-rooted BE?
	B 11 V I. 0 L Present		ADJ	10-11	PERM	
	B 12 V L L L L Present		N	11-12	PERM	
	Surinam Carib	B 12 V I. I. I. Past				
	B 12 V I. I. I. Present					
Peba-Yaguan	Yaguan	B 9 V 0 0 0 Present	M (ext)	9-12	THIRD	Multi-rooted BE? optional for 3PRES
		B 12 V L I. L Present				
		B 10 V 0 0 L Present	M (min)	10-12	FREE	-
<i>ANDEAN</i>						
Quechuan	Cuzco Quechua	B 12 V I. I. I. Past				
		B 12 V L L L L Present				
		B 9 V 0 0 0 Present	M (ext)	9-12	THIRD	optional for 3PRES
	B 12 V L L L L Past					



Leon Stassen



1997

In the generative community, Cinque (1999) and Julien (2002) are two of the first works that listed dozens of languages; in general, works in the Chomskyan tradition have focused on “depth of analysis” rather than breadth of coverage.

A Survey of Word Order and Verb Morphology

OXFORD STUDIES IN
COMPARATIVE SYNTAX

Syntactic Heads and Word Formation

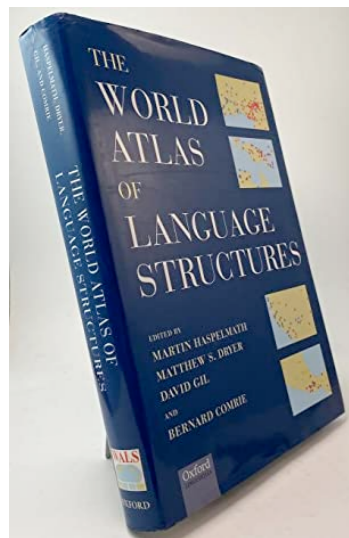
Marit Julien

2002

GENUS	LANGUAGE	WORD ORDER	MORPHEME ORDER
Africa			
<i>N. Khoisan</i>	!Kung	SVO	(T) (Q) S (Q) (T) Neg (T) Adv (T) Caus+V O
<i>C. Khoisan</i>	Nama	SOV; S V+OPron	T+A V Caus = <i>redup</i>
<i>Kadugli</i>	Katcha	S (Aux) VO	SAgr+T+V+(SPron) SPron+Neg SAgr+T+V
	Krongo	VSO	SAgr+(±)Past+(±)Perf+Freq/ Punc+V+Recip/Refl+Apass/ Dir/Ben+Pass+Trans
<i>Kordofanian</i>	Katla	S Fut V O; S Neg V O Neg	SAgr+V+Caus+Past
	Masakin	SVO; VSO	SAgr/A+V+Appl/Caus
	Rashad	SOV	S(O)Agr+T+V+Caus+OPl+Ind
<i>Kordofanian (cont.)</i>	Utoro	SVO	SAgr+V+Appl/Caus+A+ (OPron); V+SAgr
<i>Mande</i>	Bambara	SOV	S T/A/Pol O V (XP) Q
	Koranko	SOV	S T/M/A O V+(A) (XP) Q
	Mende	SOV	S Neg O V+T/A (XP)
<i>N. Atlantic</i>	Fulfulde	SVO	V+Caus+Vo/A/Pol
	Diola	SVO	(Fut+)SAgr+V+T S+V+IOpron+DOpron
<i>Ijoid</i>	Defaka	SOV	V+T
<i>Kru</i>	=	SVO; S T/A/Pol O V ¹⁷	V+Caus

In the generative community, Cinque (1999) and Julien (2002) are two of the first works that listed dozens of languages; in general, works in the Chomskyan tradition have focused on “depth of analysis” rather than breadth of coverage.

In 2008, the online database of WALS came out (*World Atlas of Language Structures*, Dryer & Haspelmath 2008; 2011; 2013), based on the printed book (Haspelmath et al. 2005).



THE WORLD ATLAS OF LANGUAGE STRUCTURES ONLINE

[Home](#) [Features](#) [Chapters](#) [Languages](#) [References](#) [Authors](#)

Features

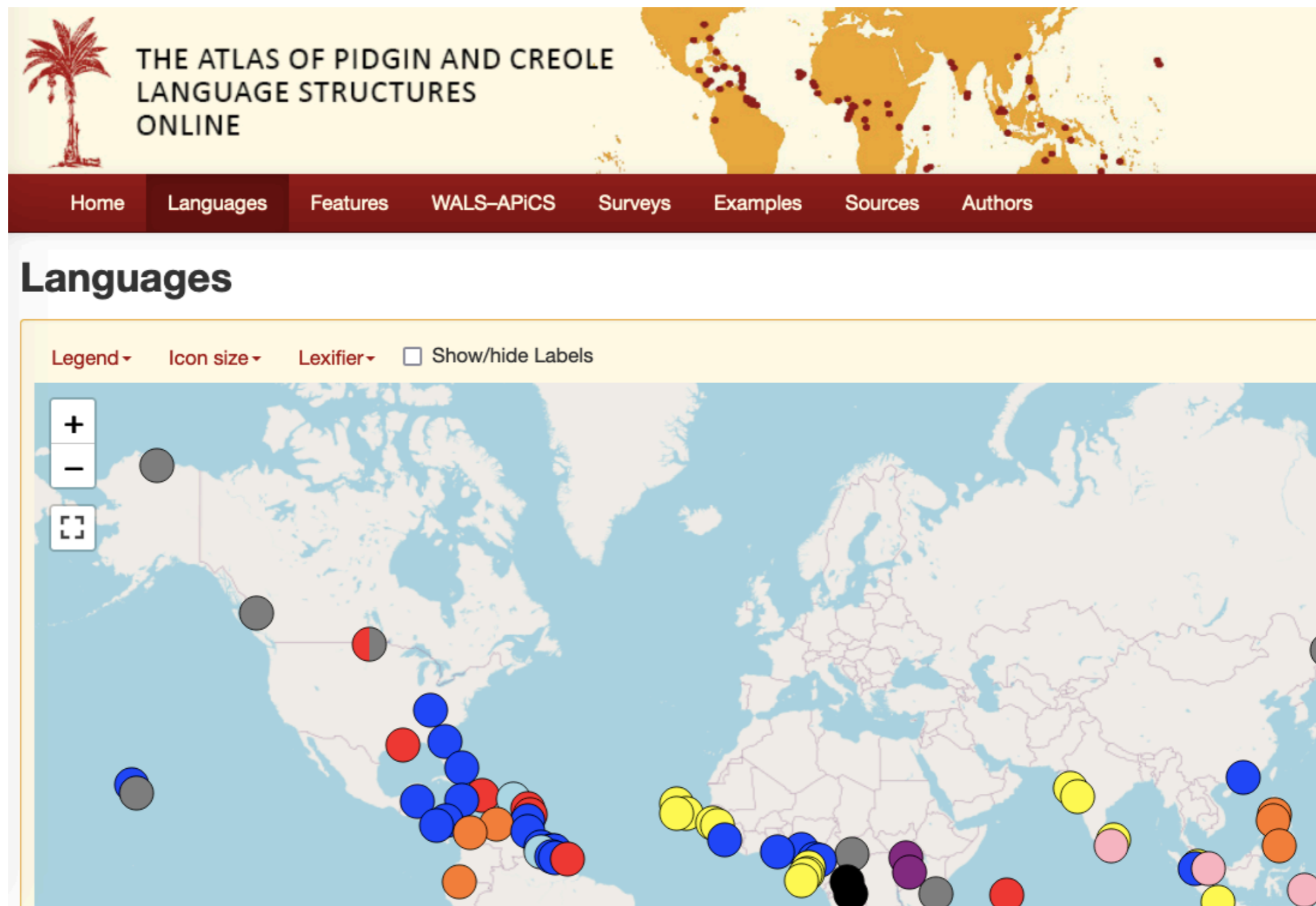
A feature is a structural property of language that describes one aspect of cross-linguistic diversity. A WALS feature is represented by a red dot on the maps. Most features correspond straightforwardly to chapters, but some chapters are about multiple features.

Showing 1 to 100 of 192 entries

Id	Name	Authors
<input type="text" value="Search"/>	<input type="text" value="Search"/>	
1A	Consonant Inventories	Ian Maddieson
2A	Vowel Quality Inventories	Ian Maddieson
3A	Consonant-Vowel Ratio	Ian Maddieson
4A	Voicing in Plosives and Fricatives	Ian Maddieson
5A	Voicing and Gaps in Plosive Systems	Ian Maddieson

WALS was followed by a number of further databases that were published in the same framework (“CLLD”, programmed by Robert Forkel):

APiCS (Atlas of Pidgin and Creole Language Structures, <https://apics-online.info/>)



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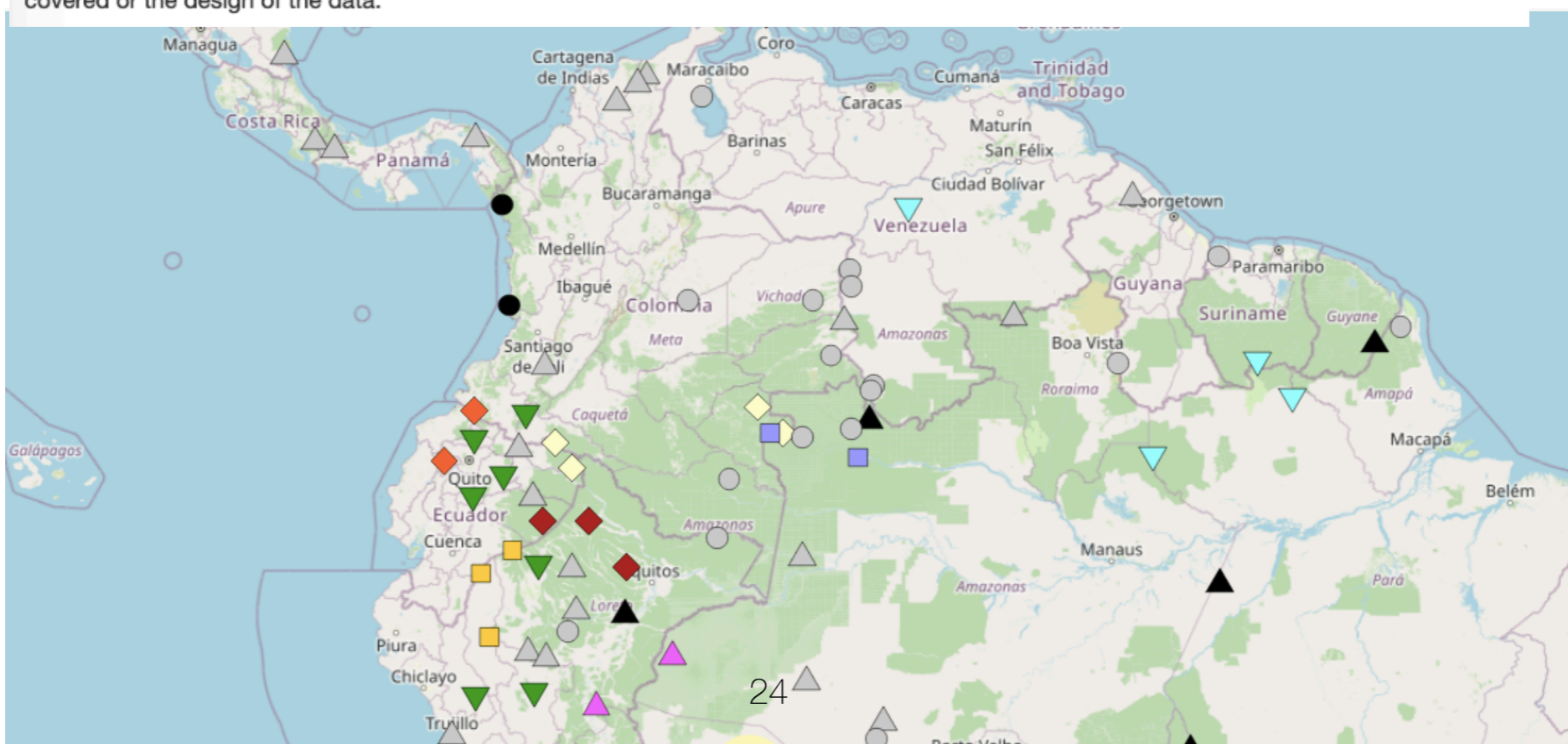
SAILS (South American Indian Language Structures, <https://sails.clld.org/>)

SAILS

Welcome to SAILS Online

The South American Indigenous Language Structures (SAILS) is a large database of grammatical properties of languages gathered from descriptive materials (such as reference grammars) by a team directed by Pieter Muysken. SAILS Online was programmed by Harald Hammarström using the **clld** framework, with support from Robert Forkel.

SAILS consists of a number of data subsets (**domains**) for South American languages not all of which are uniform in terms of the languages covered or the design of the data:



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eWAVE (Electronic World Atlas of Varieties of English)

The screenshot displays the website for the Electronic World Atlas of Varieties of English (eWAVE). At the top left is the logo for FRIAS (Freiburg Institute for Advanced Studies) at Albert-Ludwigs-Universität Freiburg. To the right, the title "THE ELECTRONIC WORLD ATLAS OF VARIETIES OF ENGLISH" is prominently displayed in blue. Below this is a navigation bar with tabs for Home, Varieties (which is selected), Features, Informants, Examples, and Sources. The main content area is titled "Varieties" and features a world map. Above the map are interactive controls: "Icon size" and "Type" dropdown menus, a "Show/hide Labels" checkbox, and a "GeoJSON" dropdown. The map itself is populated with various colored markers (squares, diamonds, triangles, circles) representing different linguistic varieties across the globe. A zoom-in (+) and zoom-out (-) button are on the left, and a full-screen button is on the right. A small number "26" is visible at the bottom center of the map area.

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eWAVE (Electronic World Atlas of Varieties of English)

PHOIBLE (segment inventory database, <https://phoible.org/>)

['fɔɪ.bɪ]

Home

Contributors

Inventories

Languages

Segments

Sources

Conventions

F

Welcome to PHOIBLE

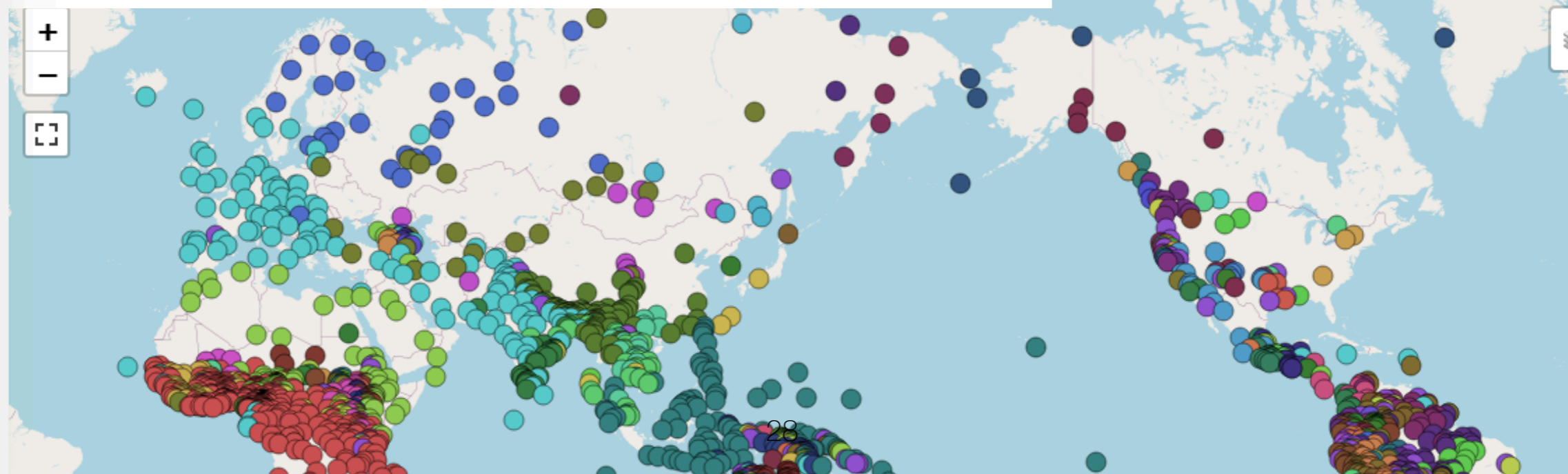
PHOIBLE is a repository of cross-linguistic phonological inventory data, which have been extracted from source documents and tertiary databases and compiled into a single searchable convenience sample. Release 2.0 from 2019 includes 3020 inventories that contain 3183 segment types found in 2186 distinct languages.

A bibliographic record is provided for each source document; note that some languages in PHOIBLE have multiple entries based on distinct sources that disagree about the number and/or identity of that language's phonemes.

I Two principles guide the development of PHOIBLE, though it has proved challenging both theoretically and technologically to abide by them:

1. Be faithful to the language description in the source document (now often called 'doculect', for reasons indicated above)
2. Encode all character data in a consistent representation in Unicode IPA

GeoJSO



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PHOIBLE (segment inventory database, <https://phoible.org/>)

ValPaL (Valency Patterns Leipzig, <https://valpal.info/>)

ValPaL Home Languages Verb meanings All coding frames Microroles All alternations Project Database

Welcome to ValPaL

The Valency Patterns Leipzig Online Database

Microroles

Showing 1 to 100 of 563 entries

← Previous 1 2 3 4 5

Name	Verb Meaning	Role
<input type="text" value="Search"/>	<input type="text" value="Search"/>	--any--
appearer	APPEAR [appear]	S
appear location	APPEAR [appear]	
appear beneficiary	APPEAR [appear]	
appear causer	APPEAR [appear]	
asking (about) person	ASK (about) [ask-about]	
asked (about) thing	ASK (about) [ask-about]	
askee (about)	ASK (about) [ask-about]	

There are now more and more other grammatical databases, created by research groups not associated with MPI-EVA, e.g.

SMG databases (Surrey Morphology Group, e.g. <https://pips.surrey.ac.uk/>)

DiaCL (Diachronic Atlas of Comparative Linguistics)

TALD (Typological Atlas of the Languages of Daghestan,
<http://lingconlab.ru/dagatlas/index.html>)

SSWL (Syntactic Structures of the World's Languages,
<https://terraling.com/groups/7>)

TerraLing SSWL Search Languages Properties Contributors Sign in

Property: 05_SVO Contributed by Andrea Cattaneo, Chris Collins, Jim Wood

Overview Description Sureness Map View on Map

Quick Analysis

Add properties to compare with 05_SVO values

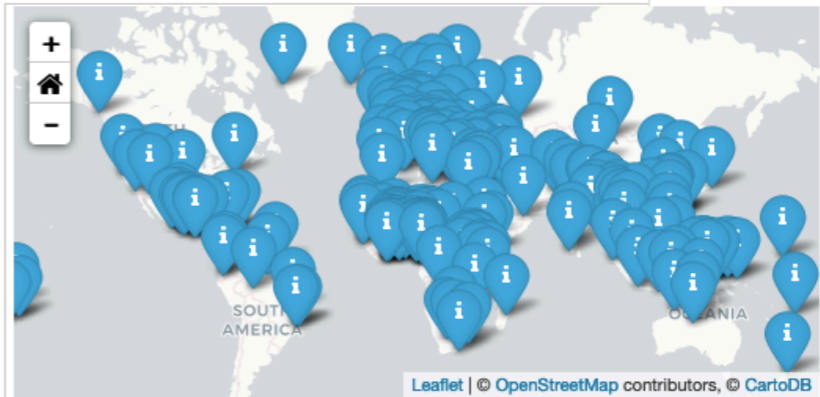
Looking for a specific property?

Selected lings (Remove all)

Q Cross Properties

Q Implication Antecedent

Q Implication Consequent



Leaflet | © OpenStreetMap contributors, © CartoDB

Values

Language	Value	Creator
Swedish	Yes	
Basaá	Yes	
Tiwa	No	
Bole	Yes	
Digo	Yes	
Hixkarvana	No	

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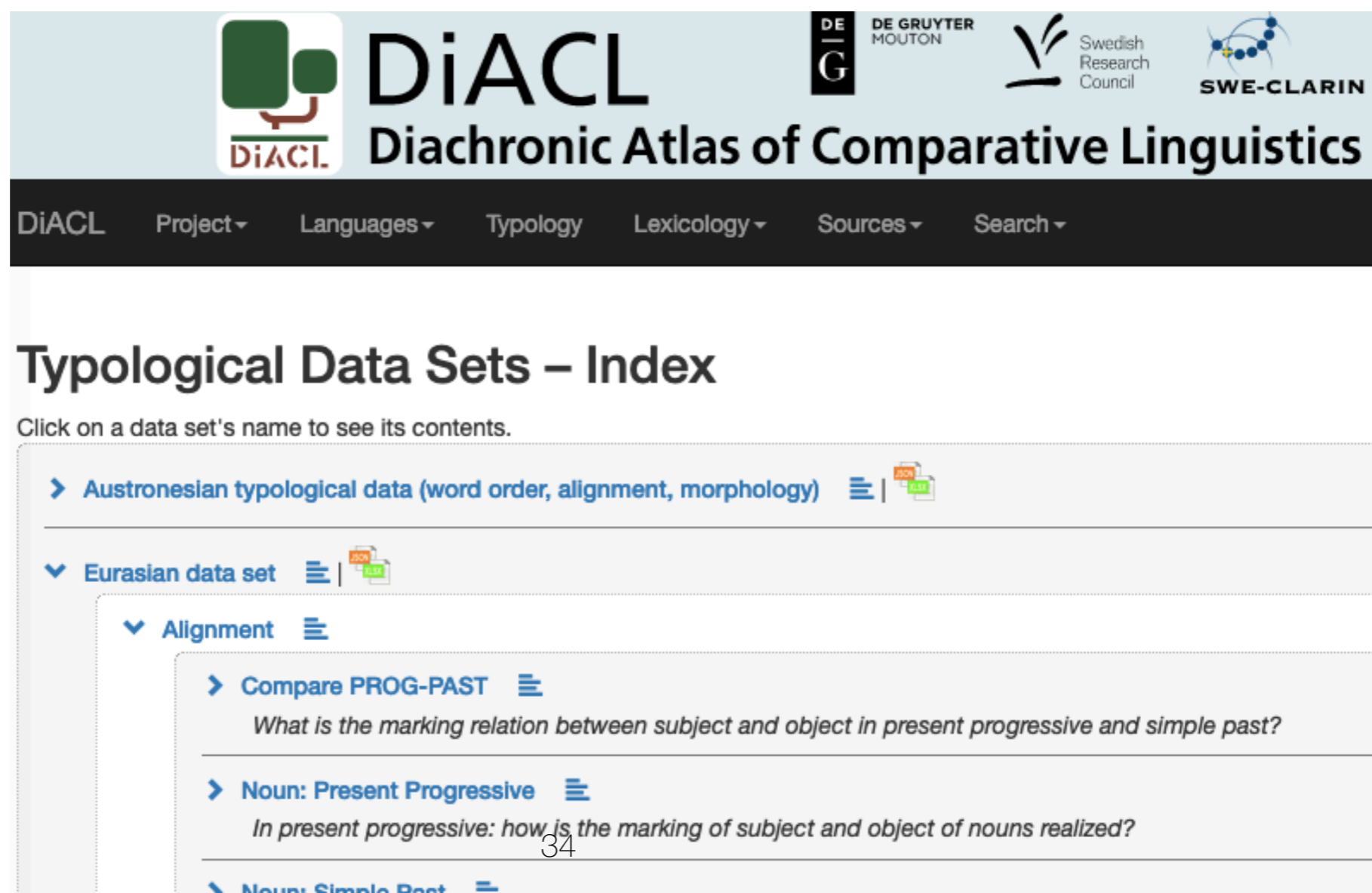
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<http://lingconlab.ru/dagatlas/index.html>)

SSWL (Syntactic Structures of the World's Languages)



The screenshot shows the DiACL website header with logos for DE GRUYTER MOUTON, Swedish Research Council, and SWE-CLARIN. The main title is 'DiACL Diachronic Atlas of Comparative Linguistics'. A navigation bar includes 'DiACL', 'Project', 'Languages', 'Typology', 'Lexicology', 'Sources', and 'Search'. The main content area is titled 'Typological Data Sets - Index' and includes a sub-header 'Click on a data set's name to see its contents.' Below this, there is a list of data sets: 'Austronesian typological data (word order, alignment, morphology)', 'Eurasian data set', and 'Alignment'. The 'Alignment' section is expanded, showing 'Compare PROG-PAST' (with the question 'What is the marking relation between subject and object in present progressive and simple past?') and 'Noun: Present Progressive' (with the question 'In present progressive: how is the marking of subject and object of nouns realized?').

There are now more and more other grammatical databases, created by research groups not associated with MPI-EVA, e.g.

SMG databases (Surrey Morphology Group, e.g. <https://pips.surrey.ac.uk/>)

DiaCL (Diachronic Atlas of Comparative Linguistics)

TALD (Typological Atlas of the Languages of Daghestan,
<http://lingconlab.ru/dagatlas/index.html>)

SSWL (Syntactic Structures of the World's Languages)

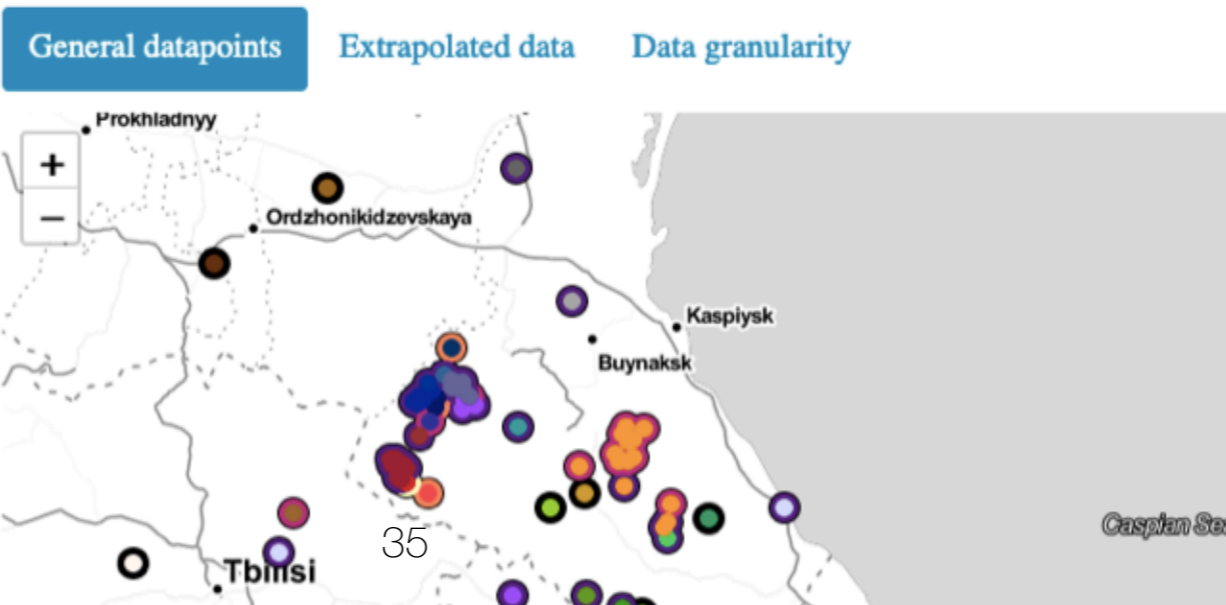
Typological Atlas of the Languages of Daghestan



Standard of comparison (Maps & Data)

Chiara Naccarato

1. Spatial vs. dedicated markers



Grambank (launched in April 2023):

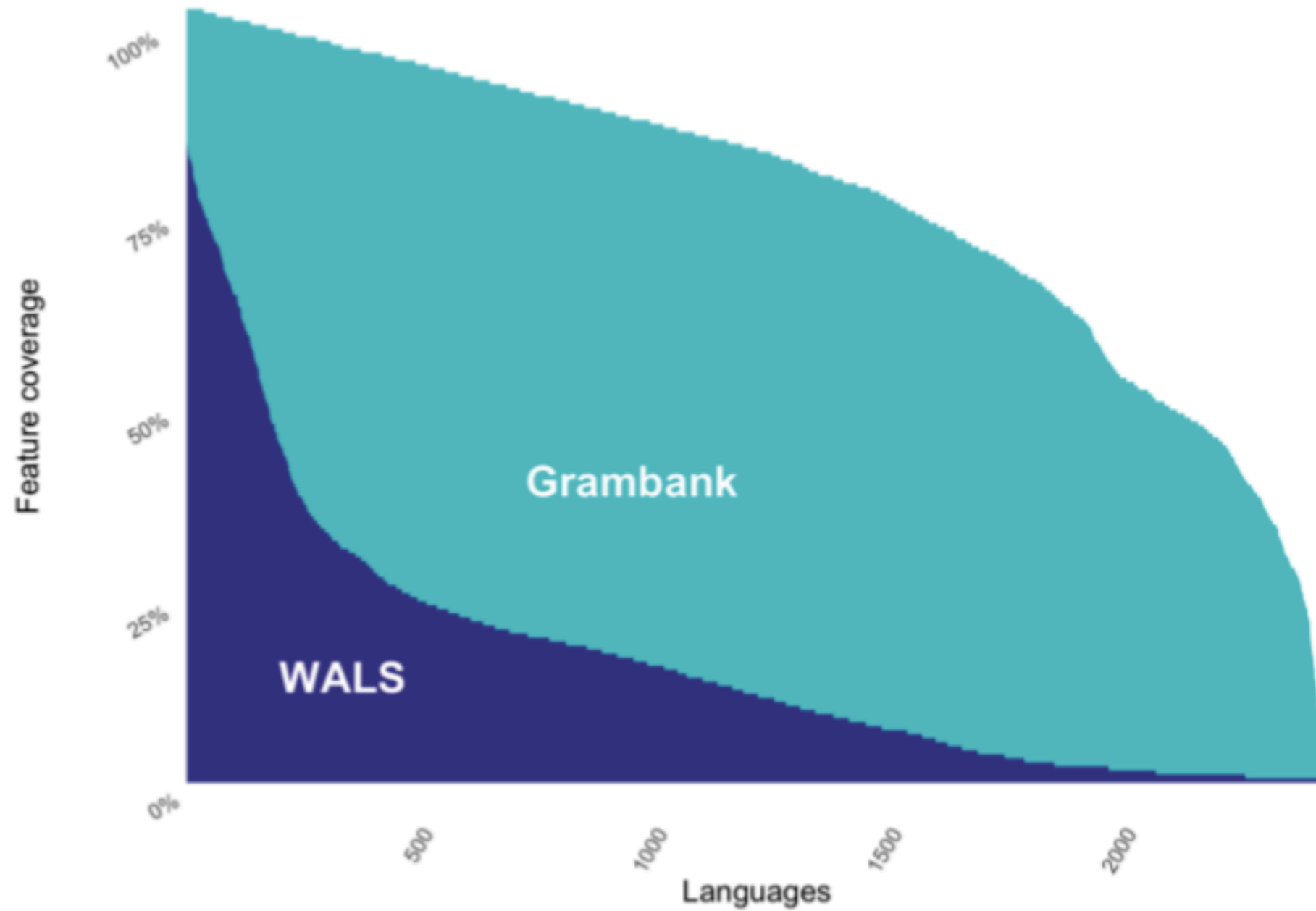


Figure S1. Comparison of coverage per language and feature in WALS and Grambank. This plot shows that the

Freitag, 24.2.2006

9.00 – 11.00 Uhr

Plenarveranstaltung

Plenarvortrag 3: Stephen Levinson

Plenarvortrag 4: Nicoletta Calzolari

11.00 – 11.30 Uhr

Pause

11.00 – 14.00 Uhr

Arbeitsgruppen und Ausklang



“WALS is wonderful but frustrating, because most of the cells are empty”

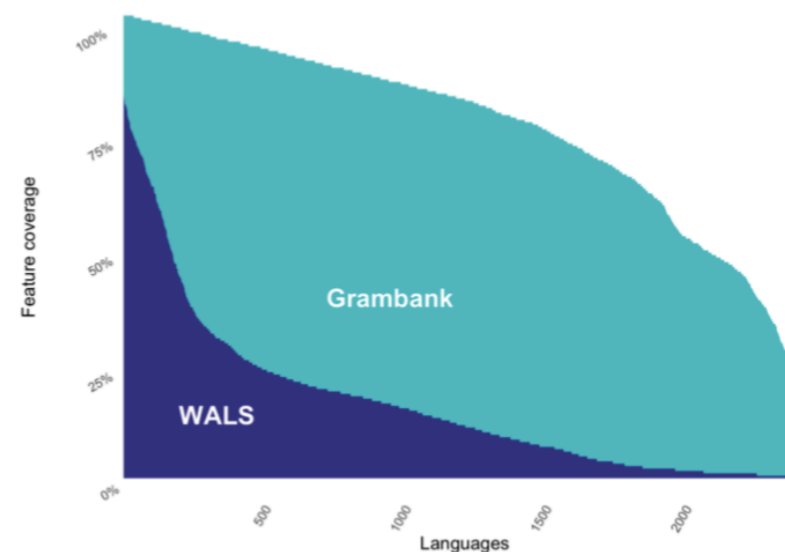


Figure S1. Comparison of coverage per language and feature in WALS and Grambank. This plot shows that the

Top-down cross-linguistic data collection vs. community-sourced data

Grambank: top-down

CrossGram: community-sourced

key idea: collect the cross-linguistic data that are anyway available in appendixes and supplements

e.g. Handschuh (2019)

Auderset (2020)

Dryer (2018)

Appendix



DE GRUYTER MOUTON

Corinna Handschuh The classific

A crosslinguistic s
and gender markin

<https://doi.org/10.1515/stu>

Abstract: Personal names in many languages of the world refer to a referent is lexical knowledge. Symmetrical systems – can be distinguished by the coding of female names in a syntactic system of encoding personal names or use of nominals. This paper presents a classification of personal names and the integration of personal names, namely gender and classifiers

Language	Source	Domain	Boundedness	Transparency	Symmetry
Abaza	Čirikba (2007)	onymic	bound	opaque	asymmetric
Anywa	Reh (1996)	onymic	bound	opaque	symmetric
Arawak	De Goeje (1928)	onymic	bound	opaque	symmetric
Akan	Agyekum (2006)	onymic	phon. patt.	opaque	symmetric
Azerbaijani	Garibova (2007)	compound	bound	transparent	symmetric
Betta Kurumba	Coelho (2003)	onymic	bound	part. tran.	symmetric
Chechen	Pleskalová (2007)	onymic	bound	opaque	asymmetric
Chuvash	Johanson (2007)	onymic	bound	part. tran.	asymmetric
Dakota	Riggs (1893)	compound	bound	transparent	asymmetric
Dom	Tida (2006)	onymic	free	transparent	symmetric
Domari	Matras (2012)	inflection	bound	opaque	symmetric
Duna	San Roque (2008)	onymic	free	transparent	symmetric
Garo	Hvenekilde et al. (2000)	onymic	phon. patt.	opaque	symmetric
Greek (Modern)	Steffen (2007)	inflection	bound	opaque	symmetric
German	Nübling and Dammel (2007)	onymic	bound	opaque	asymmetric
Gumuz	Ahland (2012)	onymic	bound	opaque	symmetric
Hdi	Frajzyngier (2002)	onymic	bound	opaque	asymmetric
Hidatsa	Matthews (1873)	compound	bound	transparent	asymmetric
latmul	Jendraschek (2012)	onymic	bound	opaque	symmetric
Ibibio	Ekpo (1978)	onymic	bound	opaque	symmetric
Icelandic	Kvaran (2007)	onymic	bound	opaque	asymmetric
Kalmyk	Schorkowitz (2007)	onymic	bound	opaque	symmetric



2020

Interrogatives as relativization markers in Indo-European

Sandra Auderset

University of California, Santa Barbara
History, Jena

The use of interrogative pronouns as relativization markers is a typical feature of European languages. An empirical approach to the distribution of interrogative markers in time and space in the Indo-European languages shows that interrogative markers are used as relative clause markers in all stages of Indo-European within and across branches. This suggests that this constitutes a case of a feature spreading via language contact. The use of interrogative markers as relative clause markers is found in inflected pronouns or invariable markers.

Keywords: diachronic typology, interrogative markers, Indo-European languages, areal features, morphology

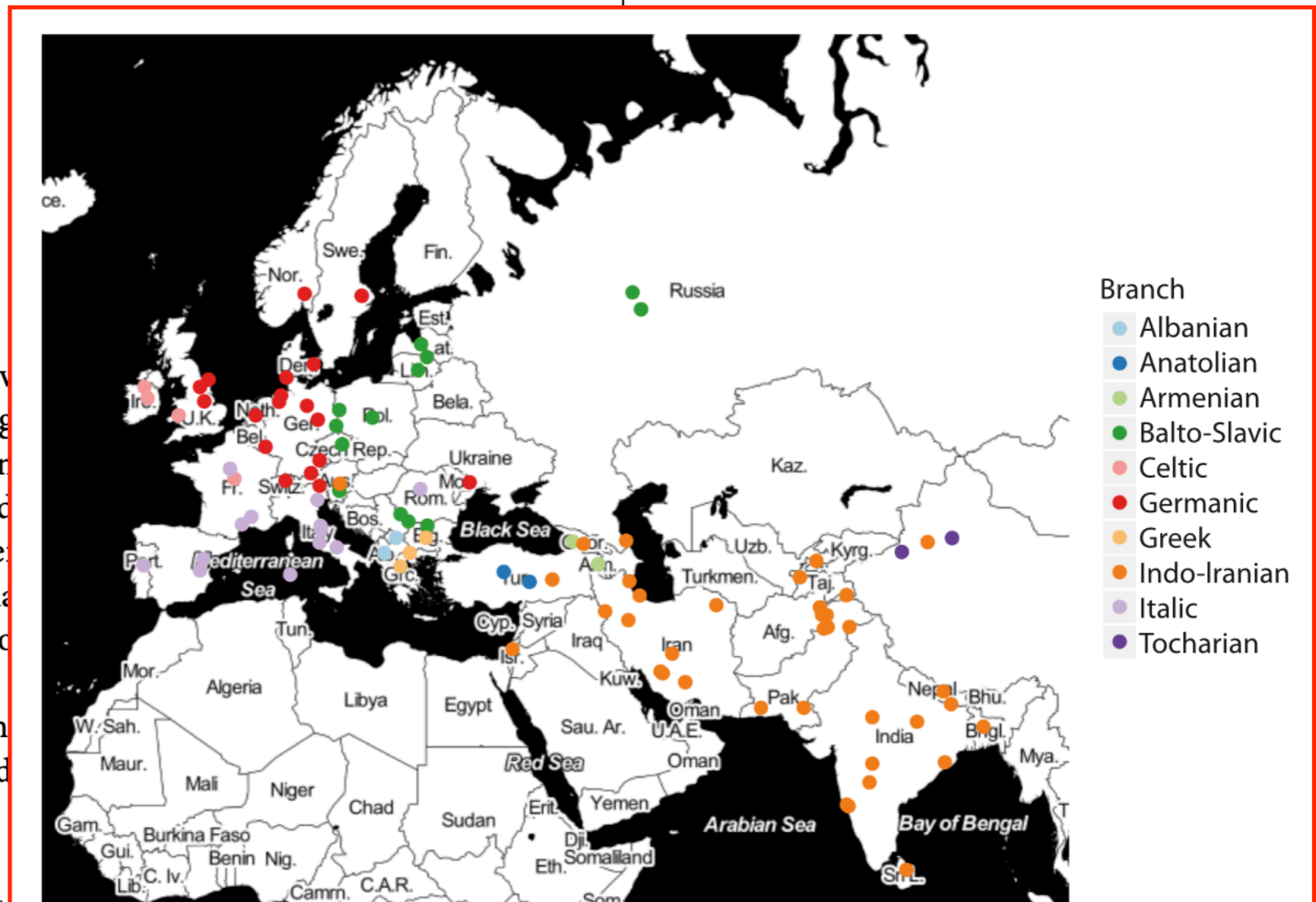


Figure 1. Geographic location and affiliation of the sample languages²



2018

SUPPLEMENTARY MATERIALS FOR 'ON THE ORDER OF DEMONSTRATIVE, NUMERAL, ADJECTIVE AND NOUN'

Matthew S. Dryer
University at Buffalo

1. List of languages in the 576 language sample, grouped by word order type, in order given in Tables 2 and 11.

1.1. N-A-N

15.1. Map for N-A-Num-Dem (nAND)

ON THE ORDER OF DEMONSTRATIVE, NUMERAL, ADJECTIVE AND NOUN

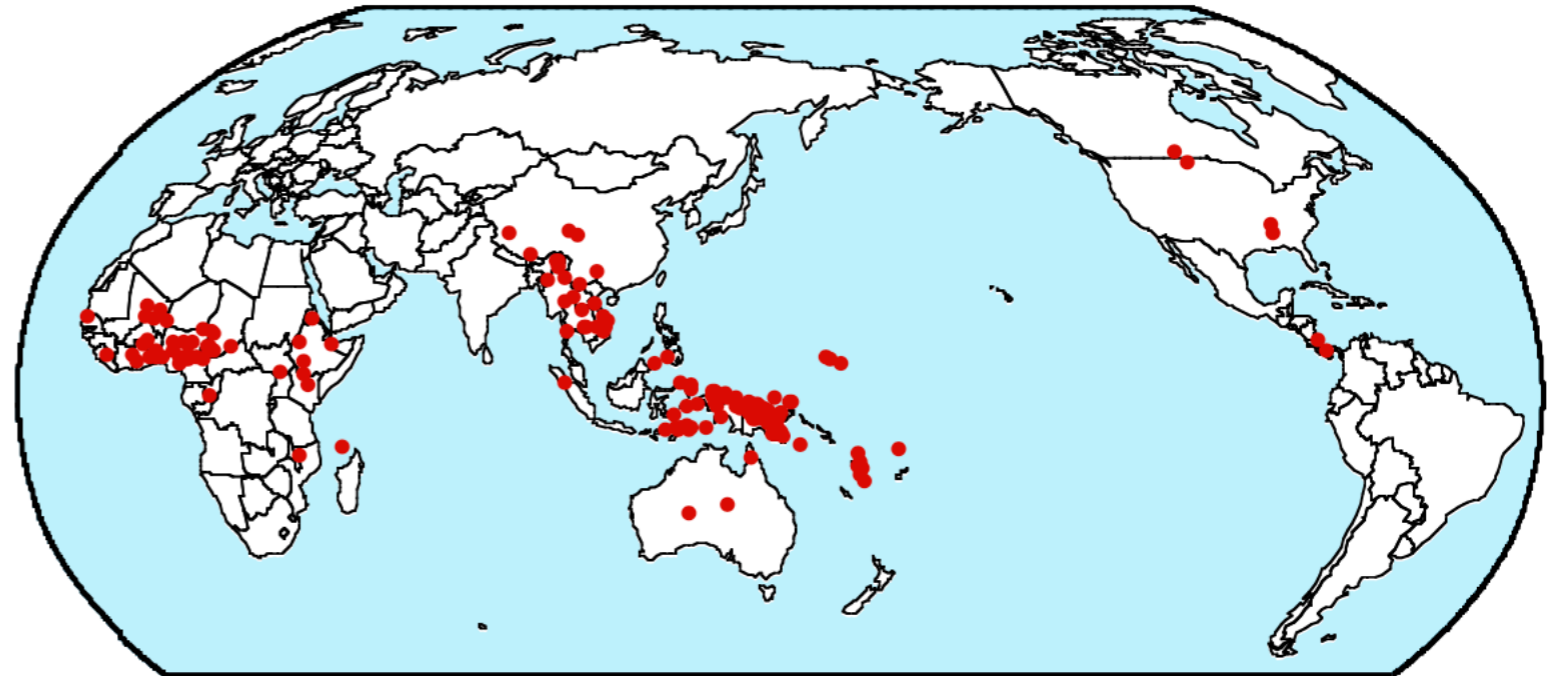
This article reports on a typological study of the order of demonstrative, numeral, adjective, and noun, based on a sample of 576 languages. The study aims to predict the relative frequencies of different word order types, based on the frequencies of the different orders of demonstrative, numeral, and noun. The study is based on the work of Cinque (2005) and is presented in terms of syntactic categories. I compare the different orders to Cinque's (2005) typology of word order types.

Keywords: word order, noun phrase, demonstrative, numeral, adjective

1. INTRODUCTION. There are two main word order types for the sequence of numeral, adjective, and noun (as in English, Num-Adj-N order), namely (1) those three black horse types, Dem Num Adj N and Num Adj Dem N.

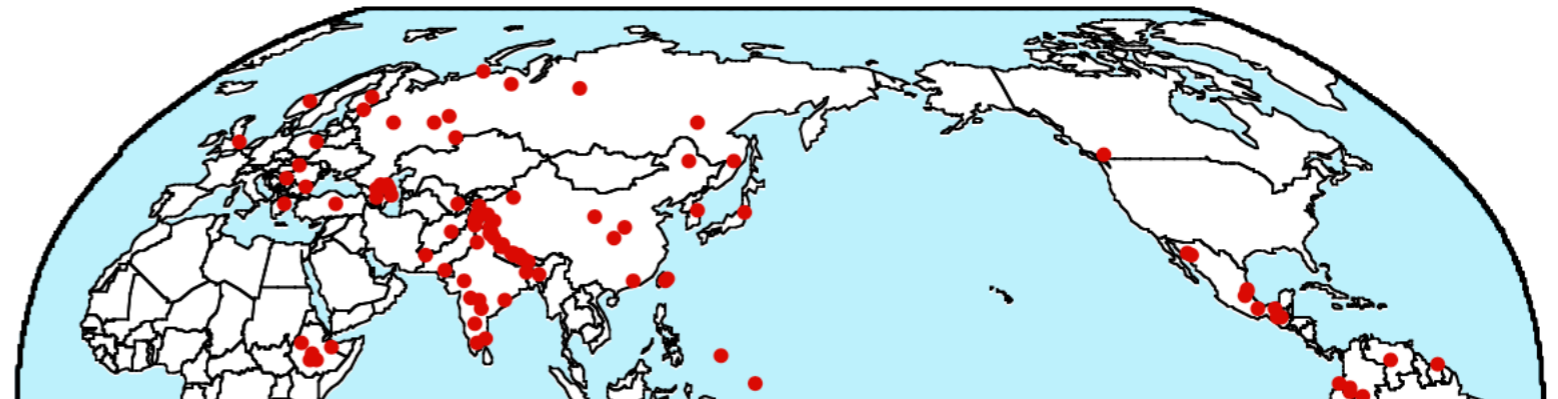
The goal of this article is to report on the results of a study of a sample of 576 languages.¹ I present the results of this study in this sample and on the relative frequencies of the different word order types.

- Niger-C
- Mu
- Niger-C
- Niger-C
- Niger-C
- Niger-C
- Niger-C
- Niger-C
- Niger-C
- Ebr
- [for
- Niger-C
- Niger-C
- Niger-C
- Niger-C
- Niger-C
- Niger-C
- Mande:
- Mande:
- Dogon:
- Songha
- Saharan
- East Su
- Central
- Kunam



nAND

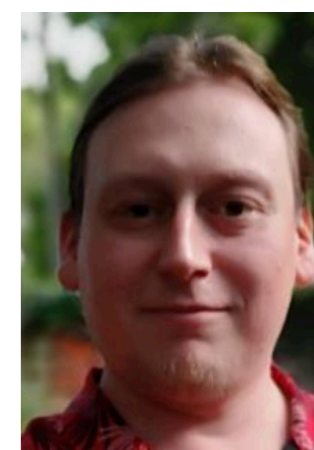
15.2. Map for Dem-Num-A-N (DNAn)





CrossGram: an interactive repository

- using the CLLD software created by Robert Forkel
- including all the functionality known from
WALS, APiCS, etc.
- CC-BY license
- the data are also available for easy download
(in **CLDF format**)
- main programmer for CrossGram: Johannes Englisch





Contributions

Showing 1 to 8 of 8 entries

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Name	Authors	Year	Data source	Cite
<input type="text" value="Search"/>		<input type="text" value="Search"/>		
Linguistic diversity in space and time	Johanna Nichols	1992	Github: cldf-datasets/nicholsdiversity	<input type="button" value="cite"/>
Zero marking and the order of core arguments	Kaius Sinnemäki and Noora Ahola	2010	Github: cldf-datasets/sinnemakizeromarking	<input type="button" value="cite"/>
The 'give' event in Papuan languages	Gerard P. Reesink	2013	Github: cldf-datasets/reesinkgive	<input type="button" value="cite"/>
Negative existentials: A cross-linguistic study	Ljuba Veselinova	2013	Github: cldf-datasets/veselinovanegex	<input type="button" value="cite"/>
Order of demonstrative, numeral, adjective, and noun	Matthew S. Dryer	2018	Github: cldf-datasets/dryerorder	<input type="button" value="cite"/>
Names and nominal classification	Corinna Handschuh	2019	Github: cldf-datasets/handschuhnames	<input type="button" value="cite"/>
Interrogatives as relativizers in Indo-European	Sandra Auderset	2020	Github: cldf-datasets/audersetinterrog	<input type="button" value="cite"/>
Estimative constructions cross-linguistically	Guillaume Jacques	2023	Github: cldf-datasets/jacquesestimative	<input type="button" value="cite"/>

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Contribution: Names and nominal classification

by [Corinna Handschuh](#)

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Sources

This dataset comes from the Appendix of Handschuh (2019):

Handschuh, Corinna. 2019. The classification of names. *STUF: Language Typology and Universals* 72(4). 539–572. ([doi:10.1515/stuf-2019-0021](https://doi.org/10.1515/stuf-2019-0021))

[Max Planck Institute for
Evolutionary Anthropology, Leipzig](#)



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Contribution: Names and nominal classification

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Name ▲	Glottocode ▲	Family ▲	Source
<input type="text" value="Search"/>	<input type="text" value="Search"/>	--any-- ▾	
Abaza	abaz1241	■ Abkhaz-Adyge	
Akan	akan1250	● Atlantic-Congo	
Anuak	anua1242	● Nilotic	Reh 1996
Batak Toba	bata1289	▲ Austronesian	
Betta Kurumba	bett1235	● Dravidian	Coelho 2003
Chechen	chec1245	● Nakh-Daghestanian	
Chuvash	chuv1255	○ Turkic	
Dakota	dako1258	■ Siouan	Riggs 1893
Dom	domm1246	▲ Nuclear Trans New Guinea	Tida 2006
Domari	doma1258	■ Indo-European	Matras 2012



Contribution: Names and nominal classification

by [Corinna Handschuh](#)

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Details ▲	L-Parameter ◆	Description
	<input type="text" value="Search"/>	<input type="text" value="Search"/>
more	Domain of application	
more	Boundness of name gender markers	
more	Transparency of name gender markers	
more	Symmetry of marking	

Showing 1 to 4 of 4 entries

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Showing 1 to 4 of 4 entries

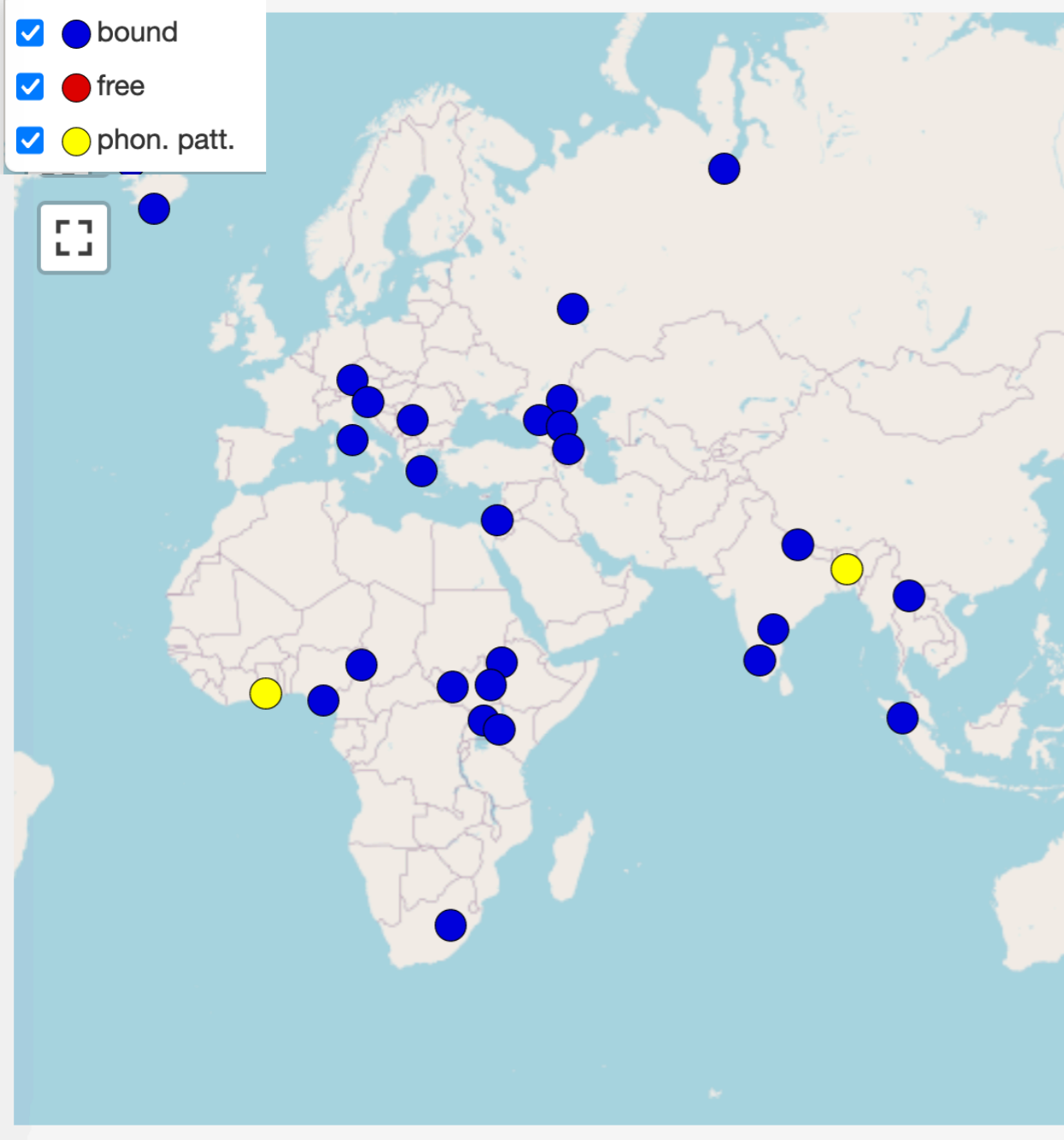
Details ▲		L-Parameter
		<input type="text" value="Search"/>
more	Domain of application	
	Value	Representation
●	compound	5
●	derivation	3
●	inflection	5
●	onymic	38
Total:		51
more	Boundness of name gender markers	
	Value	Representation
●	bound	44
●	free	5
●	phon. patt.	2
Total:		51
more	Transparency of name gender markers	
more	Symmetry of marking	

L-Parameter: Boundness of name gender markers

Legend Show/hide Labels

GeoJSON

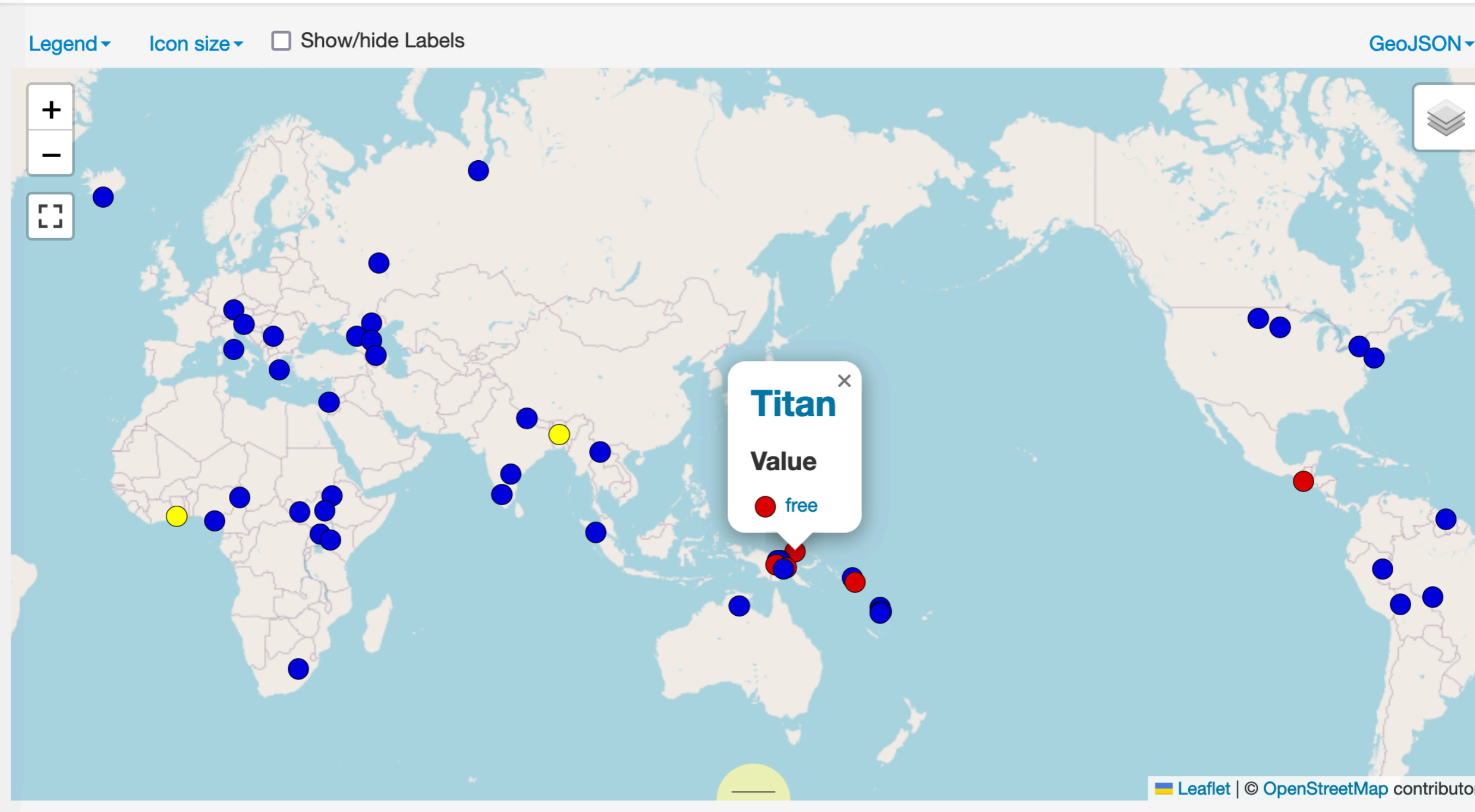
- bound
- free
- phon. patt.



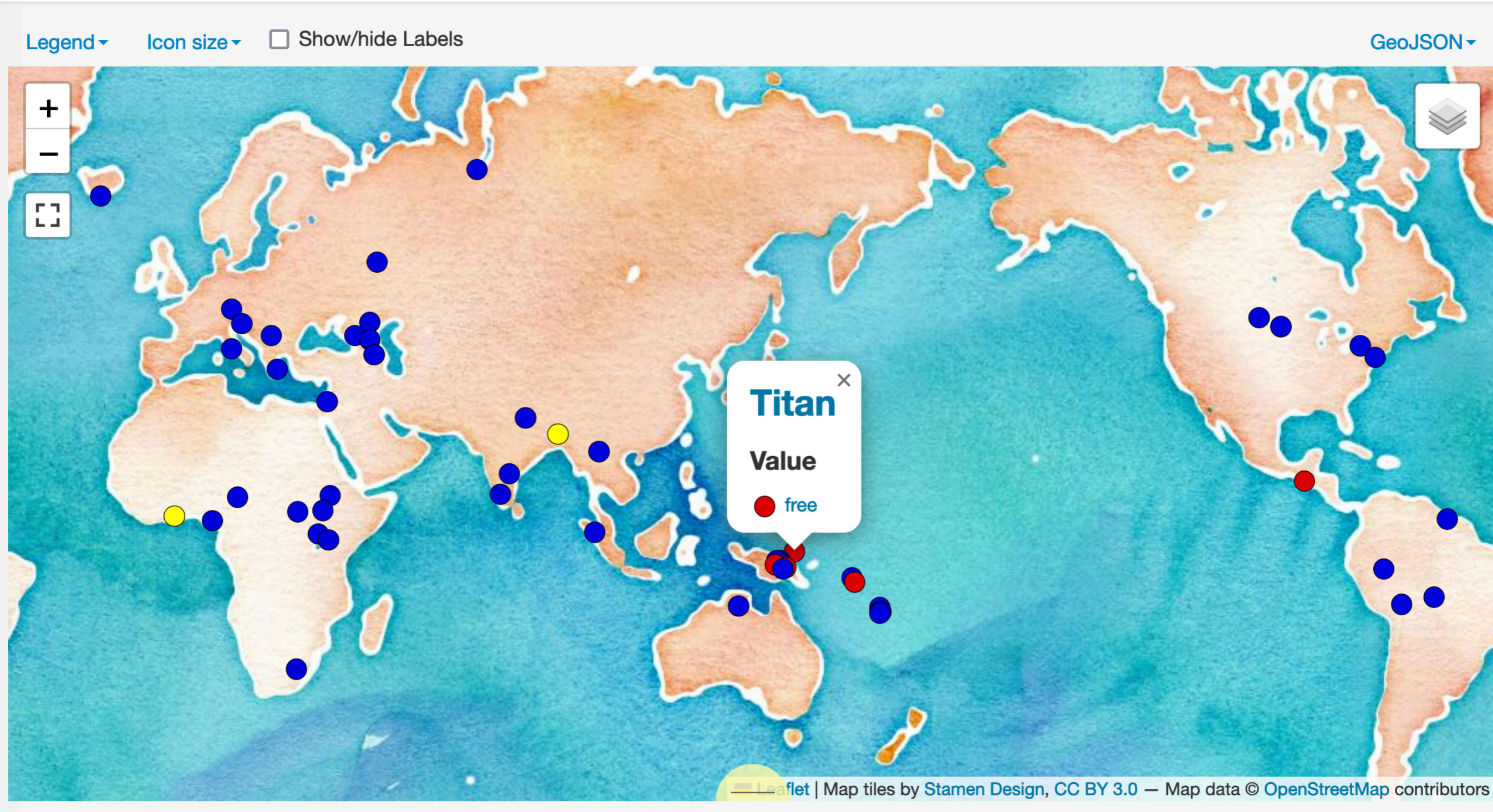
Appendix

Language	Source	Domain	Boundedness	Transparency	Symmetry
Abaza	Čirikba (2007)	onymic	bound	opaque	asymmetric
Anywa	Reh (1996)	onymic	bound	opaque	symmetric
Arawak	De Goeje (1928)	onymic	bound	opaque	symmetric
Akan	Agyekum (2006)	onymic	phon. patt.	opaque	symmetric
Azerbaijani	Garibova (2007)	compound	bound	transparent	symmetric
Betta Kurumba	Coelho (2003)	onymic	bound	part. tran.	symmetric
Chechen	Pleskalová (2007)	onymic	bound	opaque	asymmetric
Chuvash	Johanson (2007)	onymic	bound	part. tran.	asymmetric
Dakota	Riggs (1893)	compound	bound	transparent	asymmetric
Dom	Tida (2006)	onymic	free	transparent	symmetric
Domari	Matras (2012)	inflection	bound	opaque	symmetric
Duna	San Roque (2008)	onymic	free	transparent	symmetric
Garo	Hvenekilde et al. (2000)	onymic	phon. patt.	opaque	symmetric
Greek (Modern)	Steffen (2007)	inflection	bound	opaque	symmetric
German	Nübling and Dammel (2007)	onymic	bound	opaque	asymmetric
Gumuz	Ahland (2012)	onymic	bound	opaque	symmetric
Hdi	Frajzyngier (2002)	onymic	bound	opaque	asymmetric
Hidatsa	Matthews (1873)	compound	bound	transparent	asymmetric
latmul	Jendraschek (2012)	onymic	bound	opaque	symmetric
Ibibio	Ekpo (1978)	onymic	bound	opaque	symmetric
Icelandic	Kvaran (2007)	onymic	bound	opaque	asymmetric
Kalmyk	Schorkowitz (2007)	onymic	bound	opaque	symmetric

L-Parameter: Boundness of name gender markers



L-Parameter: Boundness of name gender markers



Contribution: Order of demonstrative, numeral, adjective, noun

by [Matthew S. Dryer](#)

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Name	Glottocode	Family	So
<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="--any--"/>	
Aari	aari1239	▲ South Omotic	
Abau	abau1245	■ Sepik	
Abkhaz	abkh1244	■ Abkhaz-Adyge	
Abui	abui1241	◆ Timor-Alor-Pantar	
Abun	abun1252	● isolate	
Acehnese	achi1257	▲ Austronesian	
Achagua	acha1250	● Arawakan	
Achang	acha1249	● Sino-Tibetan	
Acholi	acol1236	● Nilotic	
Adang	adan1251	◆ Timor-Alor-Pantar	
Adiukrou	adio1239	● Atlantic-Congo	

Contribution: Order of demonstrative, numeral, adjective noun

by [Matthew S. Dryer](#)



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Name	Glottocode	Family	So
<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="--any--"/>	
Aari	aari1239	▲ South Omotic	
Abau	abau1245	■ Sepik	
Abkhaz	abkh1244	■ Abkhaz-Adyge	
Abui	abui1241	◆ Timor-Alor-Pantar	
Abun	abun1252	● isolate	
Acehnese	achi1257	▲ Austronesian	
Achagua	acha1250	● Arawakan	
Achang	acha1249	● Sino-Tibetan	
Acholi	acol1236	● Nilotic	
Adang	adan1251	◆ Timor-Alor-Pantar	
Adioukrou	adio1239	● Atlantic-Congo	

Contribution: Order of demonstrative, numeral, adjective, and noun

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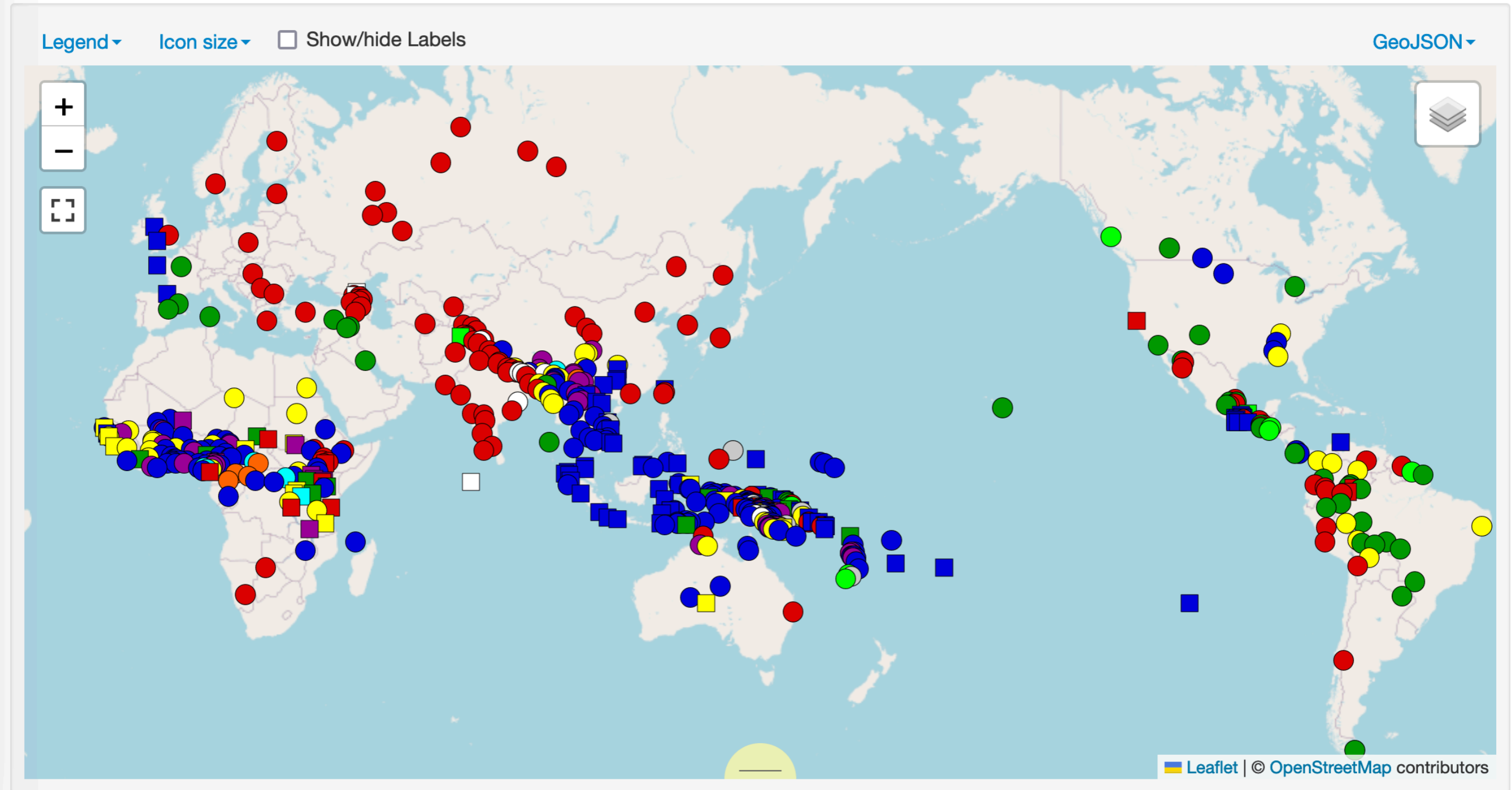
Next →



Details	L-Parameter	Description	Representation
	<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="Search"/>
more	Order of demonstrative, numeral, adjective and noun	Word order type	576
more	Position of verbal/nonverbal adjectives and numerals	Relationship between whether semantic adjectives are verbs and whether they occur closer to the noun than numerals when both occur on the same side of the noun	295
more	Position of verbal/nonverbal adjectives and demonstratives	Relationship between whether semantic adjectives are verbs and whether they occur closer to the noun than demonstratives when both occur on the same side of the noun	308
more	Presence/absence of numeral classifiers and relative position of numerals and demonstratives	Relationship between whether a language has numeral classifiers and whether numerals occur closer to the noun than the demonstratives when both occur on the same side of the noun	292
more	Presence/absence of numeral classifiers and relative position of numerals and adjectives	Relationship between whether a language has numeral classifiers and whether semantic adjectives occur closer to the noun than the numeral when both occur on the same side of	287

L-Parameter: Order of demonstrative, numeral, adjective and noun

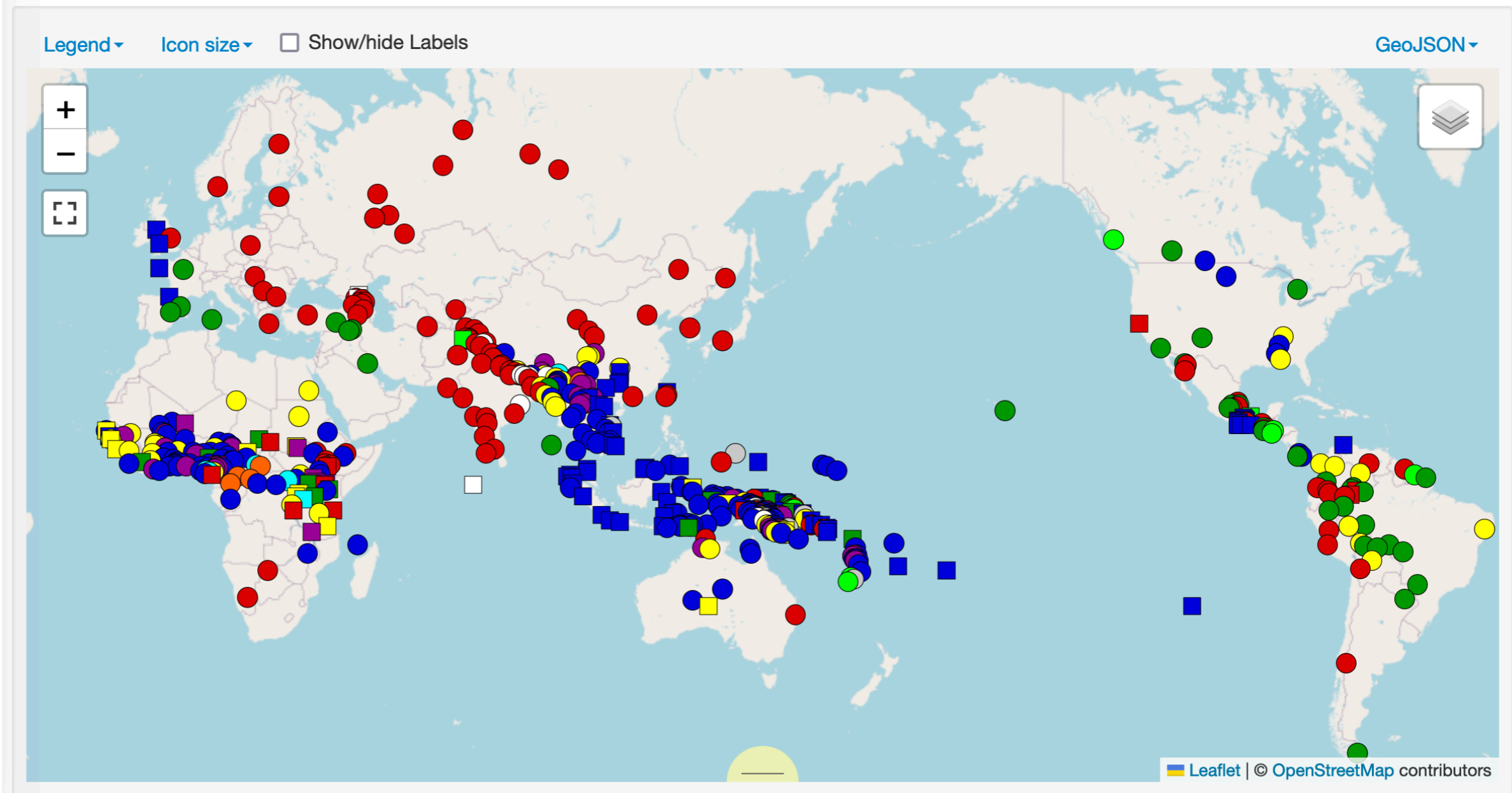
Word order type



L-Parameter: Order of demonstrative, numeral, adjective and noun

Word order type

- N-A-Num-Dem
- Dem-Num-A-N
- Dem-N-A-Num
- Dem-Num-N-A
- N-A-Dem-Num
- Num-N-A-Dem
- Dem-N-Num-A
- N-Dem-A-Num
- N-Num-A-Dem
- N-Dem-Num-A
- Dem-A-N-Num
- Num-A-N-Dem
- A-N-Num-Dem
- Num-N-Dem-A
- A-N-Dem-Num
- Dem-A-Num-N
- Num-Dem-A-N
- N-Num-Dem-A



Contribution: Interrogatives as relativizers in Indo-European

by [Sandra Auderset](#)



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Name ▲	Glottocode ◆	Family ◆	Source
<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="--any--"/> ▼	
Afrikaans	afri1274	<input type="checkbox"/> Indo-European	
Avestan	aves1237	<input type="checkbox"/> Indo-European	
Balochic	balo1260	<input type="checkbox"/> Indo-European	
Bengali	beng1280	<input type="checkbox"/> Indo-European	
Bulgarian	bulg1262	<input type="checkbox"/> Indo-European	
Campidanese Sardinian	camp1261	<input type="checkbox"/> Indo-European	
Central Alemannic	swis1247	<input type="checkbox"/> Indo-European	
Church Slavic	chur1257	<input type="checkbox"/> Indo-European	
Classical-Middle Armenian	clas1249	<input type="checkbox"/> Indo-European	
Cuneiform Luwian	cune1239	<input type="checkbox"/> Indo-European	

Contribution: Interrogatives as relativizers in Indo-European

by Sandra Auderset

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Details ▲	L-Parameter ▲	Description ▲	Representation ▲
	<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="Search"/>
more	Relative marker forms	the shapes of the all the relative markers in a language (separated by slash (/) if there are several)	99

Showing 1 to 1 of 1 entries

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1

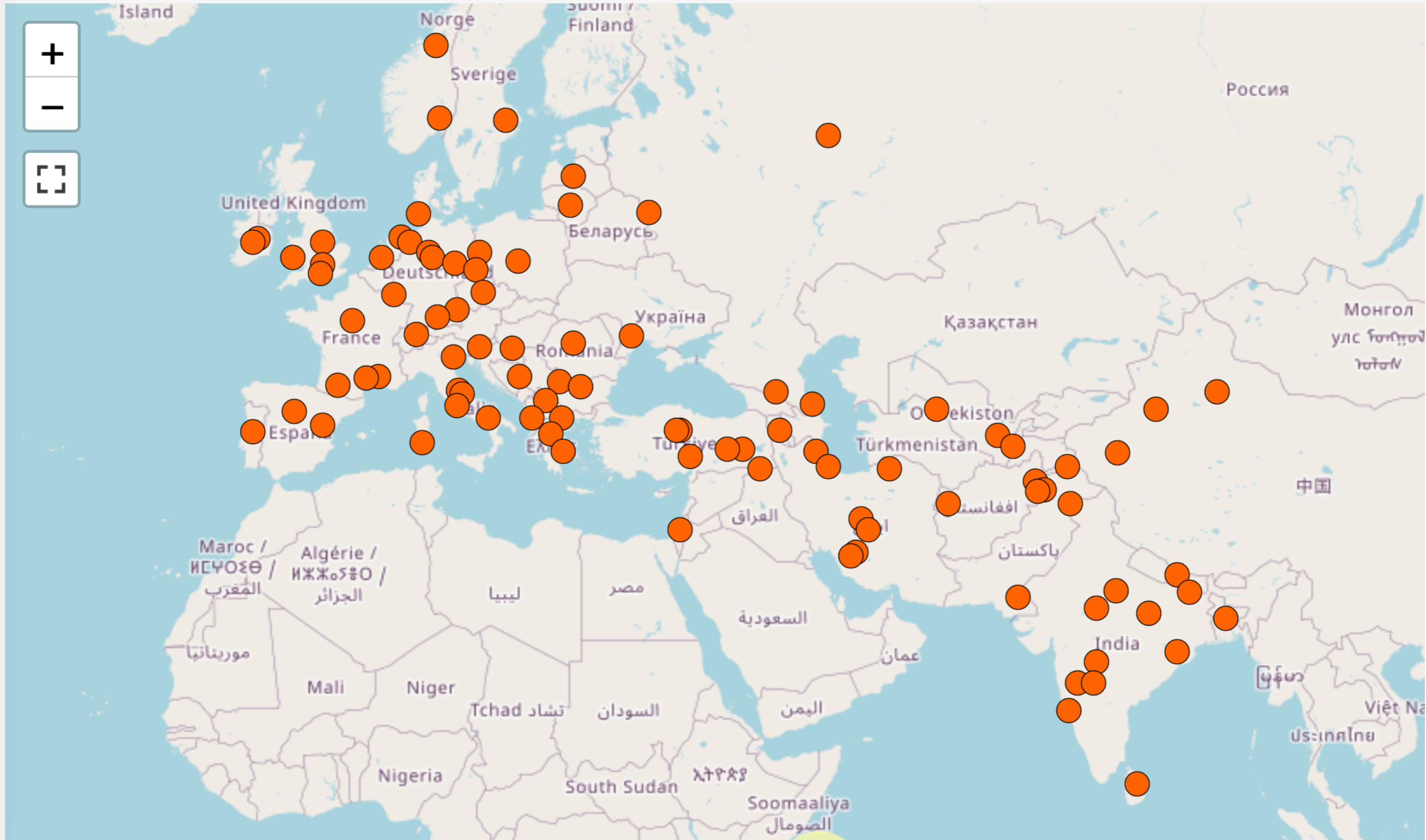
Next →

L-Parameter: Relative marker forms

the shapes of the all the relative markers in a language (separated by slash (/) if there are several)

Icon size ▾

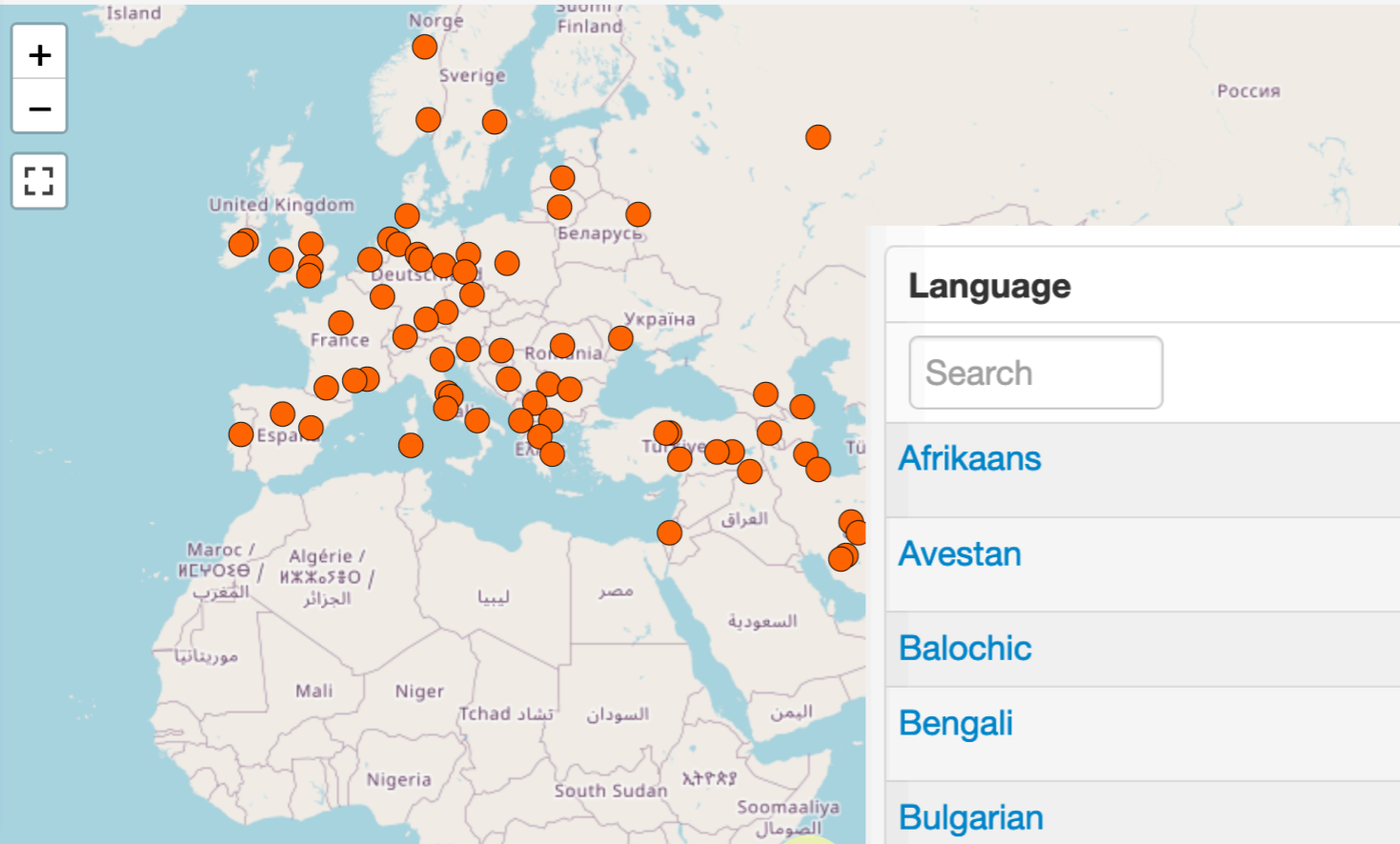
Show/hide Labels



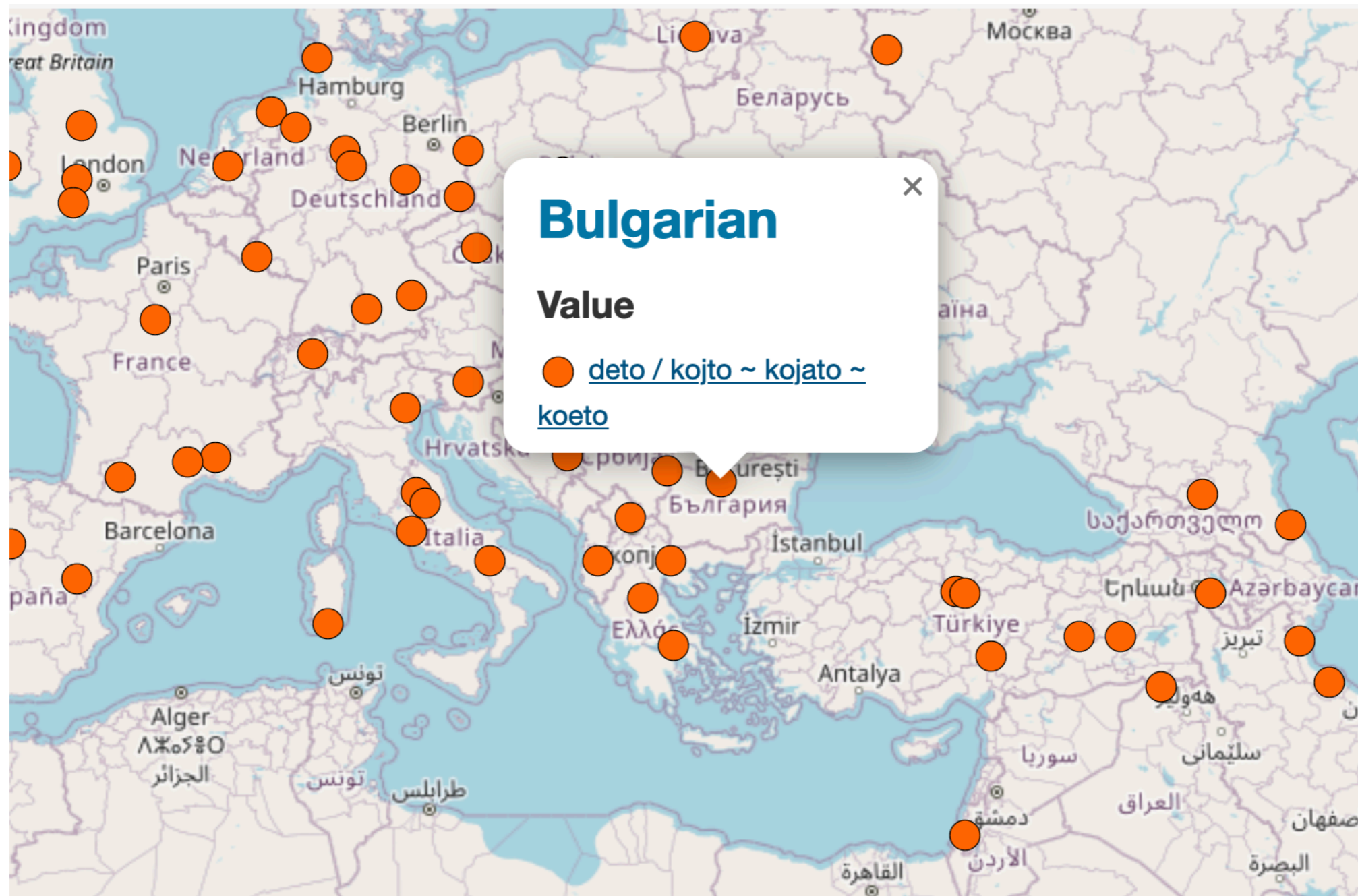
L-Parameter: Relative marker forms

the shapes of the all the relative markers in a language (separated by slash (/) if there are several)

Icon size ▾ Show/hide Labels



Language ▲	Value
<input type="text" value="Search"/>	<input type="text" value="Search"/>
Afrikaans	● wat ~ wie / waar / welke
Avestan	● hiaṭ ~ yaṭ
Balochic	● ki
Bengali	● ye(-) ~ ya(-)
Bulgarian	● deto / kojto ~ kojato ~ koeto
Campidanese Sardinian	● chi
Central Alemannic	● wo
Church Slavic	● iže ~ ježe ~ jaže
Classical-Middle Armenian	● or
Cuneiform Luwian	● kuīš ~ kui
Czech	● který ~ která ~ které / co / jenž ~ jenže
Dameli	● ki ~ kyaa
Dimli	● ki
Domari	● illi



Contribution: Interrogatives as relativizers in Indo-European

by Sandra Auderset

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Language ▲	Construction ▼	Description
<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="Search"/>
Afrikaans	Afrikaans relative pronoun wat ~ wie	
Afrikaans	Afrikaans relative pronoun waar	
Afrikaans	Afrikaans relative pronoun welke	
Avestan	Avestan relative pronoun hiaṭ ~ yaṭ	
Balochic	Balochi relative pronoun ki	
Bengali	Bengali relative pronoun ye(-) ~ ya(-)	
Bulgarian	Bulgarian relative pronoun deto	
Bulgarian	Bulgarian relative pronoun kojto ~ kojato ~ koeto	
Campidanese Sardinian	Campidanese Sardinian relative pronoun chi	
Central Alemannic	Swiss German relative pronoun wo	
Church Slavic	Old Church Slavic relative pronoun iže ~ ježe ~ jaže	

Contribution: Interrogatives as relativizers in Indo-European

by Sandra Auderset

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Details ▲	C-Parameter	Description
	<input type="text" value="Search"/>	<input type="text" value="Search"/>
more	Relative marker form	the shape of the relative marker (when there are several forms for different genders, they are separated by a tilde (~))
more	Number of cases	number of case distinctions
more	Number of genders or classes	number of gender classes or inflectional classes
more	Number of numbers	Is the relative marker also used as an interrogative (or related to an interrogative)?
more	INT	is the relative marker also used as an interrogative? - values: yes, related, relatedmaybe, no, NA
more	Proto-Indo-European origin	source of the marker in Proto-Indo-European (*kw-, *to-, *yo-, combinations of these, 'one', *l-)



Contributions

Languages

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Examples

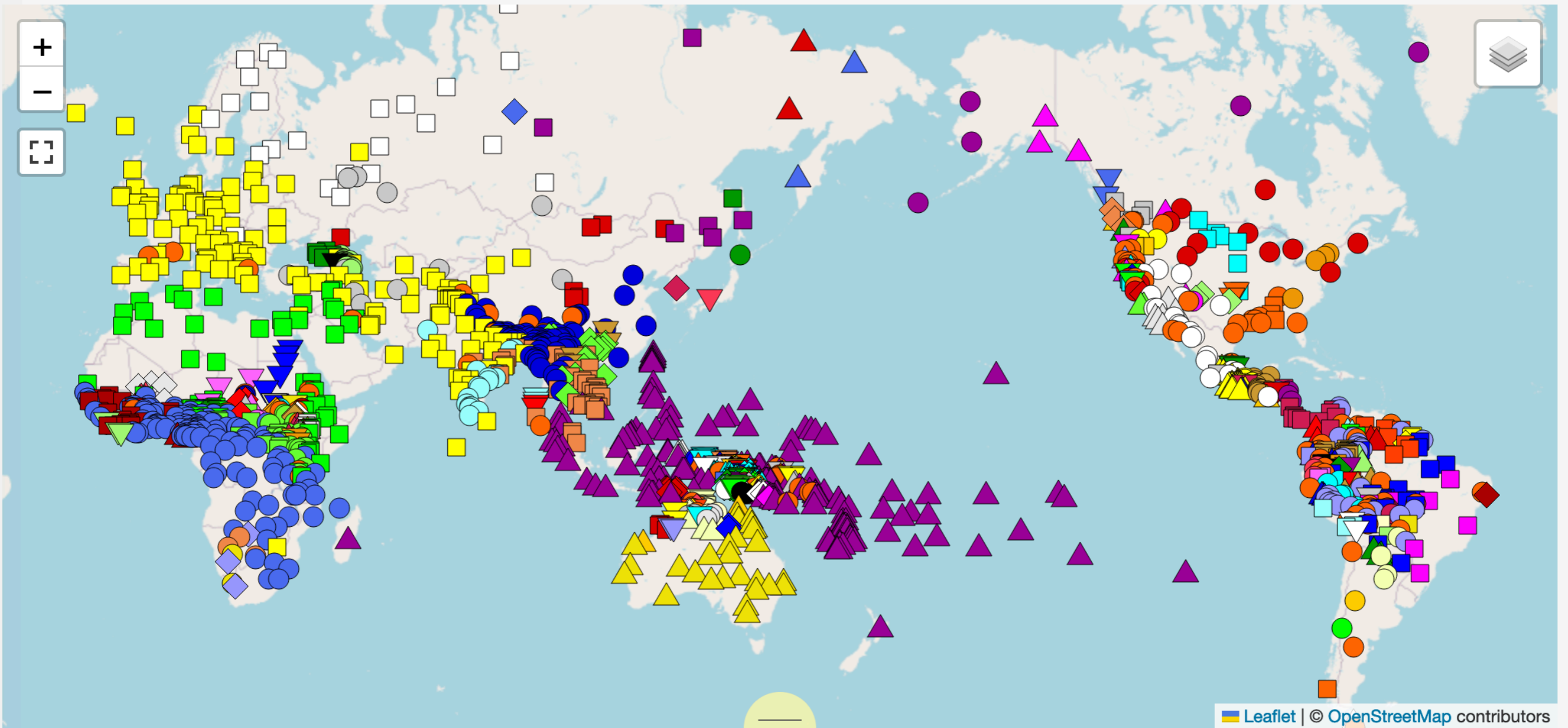
Sources

Authors

Languages

Icon size ▾ Show/hide Labels

GeoJSON ▾



Showing 1 to 100 of 2,656 entries

← Previous 1 2 3 4 5 Next →





Showing 1 to 100 of 2,656 entries

← Previous 1 2 3 4 5 Next →



Name ▲	Glottocode ↕	Family ↕	Contributions	Source	Examples ↕	
<input type="text" value="Search"/>	<input type="text" value="Search"/>	--any-- ▾			<input type="text" value="Search"/>	
Aari	aari1239	▲ South Omotic	<ul style="list-style-type: none"> Order of demonstrative, numeral, adjective, and noun 		0	
Abau	abau1245	■ Sepik	<ul style="list-style-type: none"> The 'give' event in Papuan languages Zero marking and the order of core arguments Order of demonstrative, numeral, adjective, and noun 	Bailey 1975: 72, 73	0	
Abaza	abaz1241	■ Abkhaz-Adyge	<ul style="list-style-type: none"> Estimative constructions cross-linguistically Names and nominal classification 	Tabulova 1976: 184-185:227	4	
Abelam		● isolate	<ul style="list-style-type: none"> Linguistic diversity in space and time 		0	
Abipon	abip1241	● Guaicuruan	<ul style="list-style-type: none"> Zero marking and the order of core arguments 	Najlis 1966: 28-34, 39-, 87, 75	0	
Abkhaz	abkh1244	■ Abkhaz-Adyge	<ul style="list-style-type: none"> Zero marking and the order of core arguments Linguistic diversity in space and 	Hewitt 1979	0	



L-Parameters

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Details	Contribution	L-Parameter	Description	Representation
	<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="Search"/>
more	Estimative constructions cross-linguistically	Estimative marker	the shape of the estimative marker (generally an affix)	48
more	Estimative constructions cross-linguistically	Productivity of estimative	productivity of the morphological estimative pattern	48
more	Estimative constructions cross-linguistically	Possible bases for estimative	the word classes with which estimative markers can be combined	48
more	Estimative constructions cross-linguistically	Other functions of estimative	other functions that morphological estimative constructions may have	48
more	Estimative constructions cross-linguistically	Estimative alignment type	direct alignment or indirect alignment of estimative	48
more	The 'give' event in Papuan languages	Order with theme suffix (1)		30
more	The 'give' event in Papuan languages	Order with theme suffix (2)		28
more	The 'give' event in Papuan languages	Order with no theme affix		23
more	The 'give' event in Papuan languages	Recipient vs. theme		71
more	Names and nominal classification	Domain of application		51



Constructions

Showing 1 to 100 of 150 entries

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1

2

[Next →](#)

Language ▲	Construction ▲	Description ▲	Contribution ▲
<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="Search"/>	--any-- ▾
Afrikaans	Afrikaans relative pronoun wat ~ wie		Interrogatives as relativizers in Indo-European
Afrikaans	Afrikaans relative pronoun waar		Interrogatives as relativizers in Indo-European
Afrikaans	Afrikaans relative pronoun welke		Interrogatives as relativizers in Indo-European
Avestan	Avestan relative pronoun hiaṭ ~ yaṭ		Interrogatives as relativizers in Indo-European
Balochic	Balochi relative pronoun ki		Interrogatives as relativizers in Indo-European
Bengali	Bengali relative pronoun ye(-) ~ ya(-)		Interrogatives as relativizers in Indo-European
Bulgarian	Bulgarian relative pronoun deto		Interrogatives as relativizers in Indo-European
Bulgarian	Bulgarian relative pronoun kojto ~ kojato ~ koeto		Interrogatives as relativizers in Indo-European
Campidanese Sardinian	Campidanese Sardinian relative pronoun chi		Interrogatives as relativizers in Indo-European
Central Alemannic	Swiss German relative pronoun wo		Interrogatives as relativizers in Indo-European
Church Slavic	Old Church Slavic relative pronoun iže ~ ježe ~ jaže		Interrogatives as relativizers in Indo-European
Classical-Middle Armenian	Classical Armenian relative pronoun or		Interrogatives as relativizers in Indo-European
Cuneiform Luwian	Cuneiform Luwian relative pronoun kuiš ~ kui		Interrogatives as relativizers in Indo-European
Czech	Czech relative pronoun který ~ která ~ které		Interrogatives as relativizers in Indo-European
Czech	Czech relative pronoun co		Interrogatives as relativizers in Indo-European
Czech	Czech relative pronoun jenž ~ jenže		Interrogatives as relativizers in Indo-European
Dameli	Dameli relative pronoun ki ~ kyaa		Interrogatives as relativizers in Indo-European
Dimli	Dimli relative pronoun ki		Interrogatives as relativizers in Indo-European



Search



Upload

Communities

martin_haspelmath@eva.mpg.de

Celebrating our 10th anniversary! Send us your birthday greeting here.

March 4, 2020

Dataset Open Access

cldf-datasets/dryerorder: Dataset of Dryer 2018 "On the order of demonstrative, numeral, adjective, and noun"

Matthew Dryer

Data curator(s)

Robert Forkel

Cite the source dataset as

Dryer, M.S. (2018). On the order of demonstrative, numeral, adjective, and noun. Language 94(4), 798-833. doi:10.1353/lan.2018.0054.

80

views

41

downloads

See more details...

Available in

GitHub

Indexed in

OpenAIRE

Preview

dryerorder-v1.0.zip

cldf-datasets-dryerorder-570a774

.gitignore	1.2 kB
.travis.yml	200 Bytes
README.md	285 Bytes
cldf	
.gitattributes	19 Bytes
README.md	106 Bytes
StructureDataset-metadata.json	11.5 kB
codes.csv	6.6 kB
languages.csv	83.1 kB
parameters.csv	1.6 kB
requirements.txt	1.7 kB
sources.bib	334.9 kB
values.csv	359.0 kB

Publication date:

March 4, 2020

DOI:

DOI 10.5281/zenodo.3696844

Keyword(s):

cldf:StructureDataset

Related identifiers:

Supplement to

https://github.com/cldf-datasets/dryerorder/tree/v1.0

Communities:

Making comparative concepts commensurable across datasets

We want to make comparisons possible across databases, such as WALS, SAILS, SSWL, and so on.

Feature 81A: Order of Subject, Object and Verb



This feature is described in the text of chapter 81 [Order of Subject, Object and Verb](#) by [Matthew S. Dryer](#)

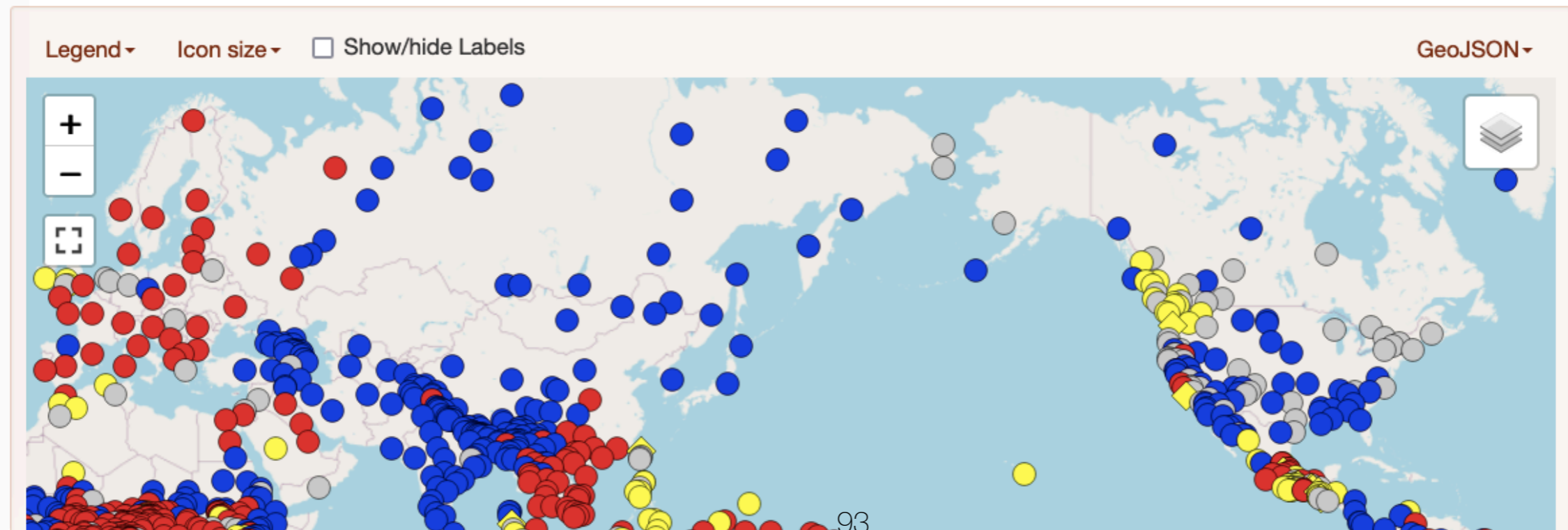
Dryer [cite](#)

You may combine this feature with another one. Start typing the feature name or number in the field below.

Submit

Values

●	SOV	564
●	SVO	488
●	VSO	95
◆	VOS	25
◆	OVS	11
◆	OSV	4
○	No dominant order	189



Making comparative concepts commensurable across datasets

We want to make comparisons possible across databases, such as WALS, SAILS, SSWL, and so on.

Feature ARGEX1-2: The dominant constituent order in a transitive clause is



Feature Domain:
Argument Marking
Designer:
Joshua Birchall

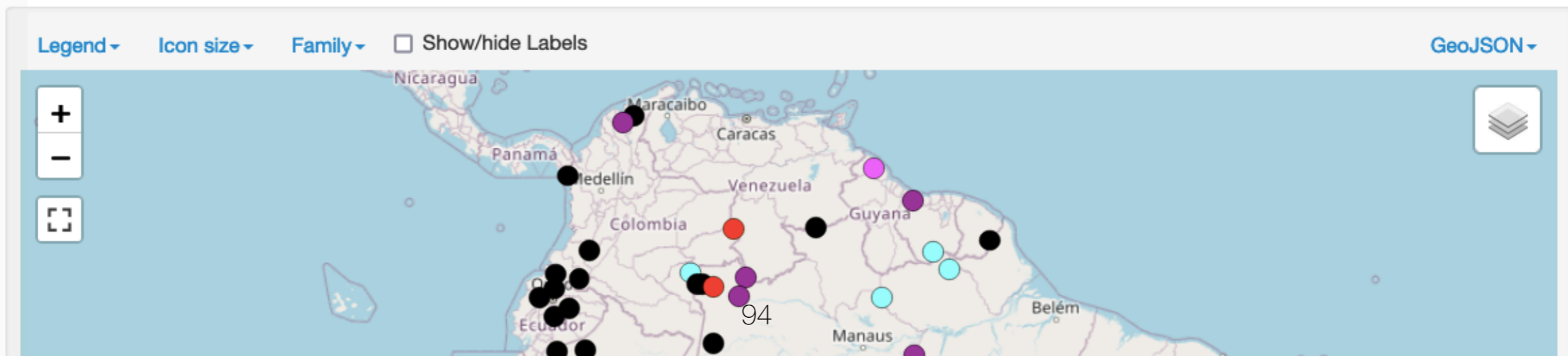
You may combine this feature with another one. Start typing the feature name or number in the field below.

× ARGEX1-2: The dominant constituent order in a transitive clause is

Submit

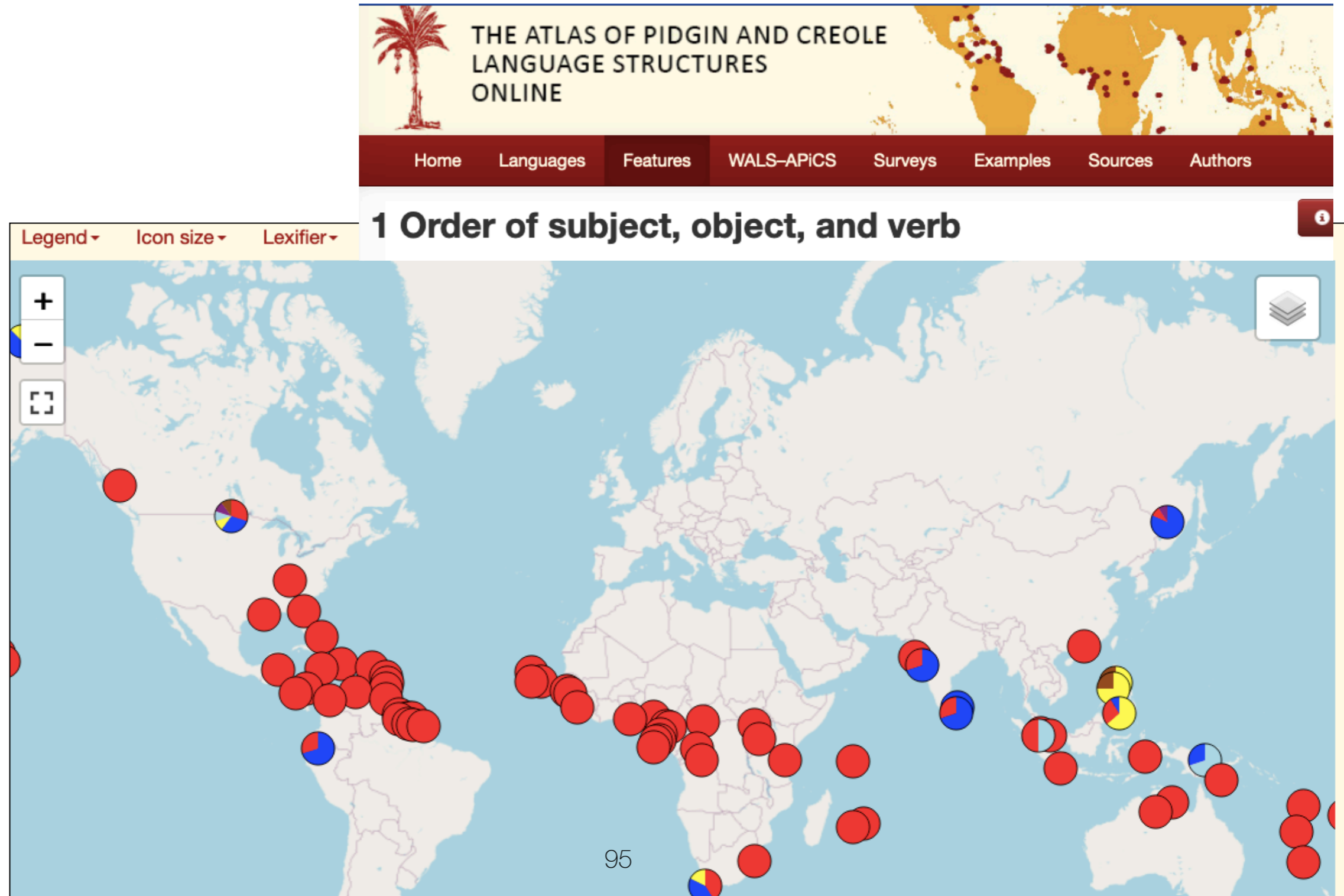
Values

●	?	Not known	0
●	A	APV	57
●	B	AVP	17
●	C	VPA	1
●	D	VAP	7
●	E	PVA	6
●	F	PAV	1
●	G	none	6



Making comparative concepts commensurable across datasets

We want to make comparisons possible across databases, such as WALS, SAILS, SSWL, and so on.



Making comparative concepts commensurable across datasets

We want to make comparisons possible across databases, such as WALS, SAILS, SSWL, and so on.

SSWL

Looking for a specific Language or perhaps a Property?

319

Languages

173

Properties

TerraLing
SSWL ▾ Search Languages Properties ▾ Contributors ▾
Sign in

Property: 05_SVO

Contributed by Andrea Cattaneo, Chris Collins, Jim Wood

Quick Analysis

Add properties to compare with 05_SVO values

Looking for a specific property?

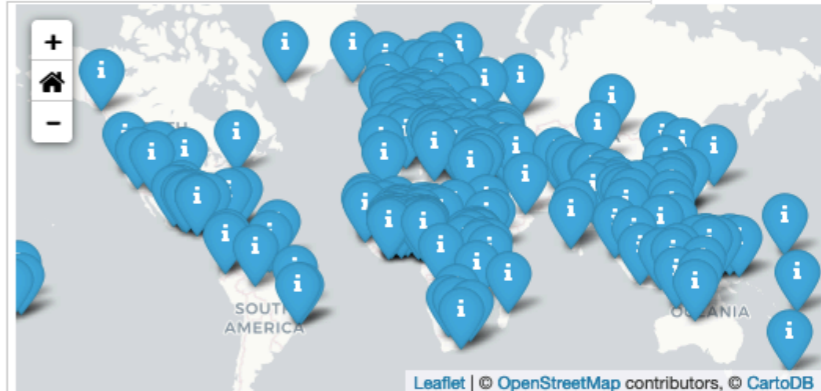
Selected lings [\(Remove all\)](#)

Q Cross Properties

Q Implication Antecedent

Q Implication Consequent

Overview
Description
Sureness Map
View on Map



Leaflet | © OpenStreetMap contributors, © CartoDB

Values

Language	Value	Creator
Swedish	Yes	
Basaá	Yes	
Tiwa	No	
Bole	Yes	
Digo	Yes	
Hixkaryana	No	

Making comparative concepts commensurable across datasets

We want to make comparisons possible across databases, such as WALS, SAILS, SSWL, and so on.

Comparisons of lexical databases: the Concepticon

The task of making grammatical databases comparable is similar to the task of **lexical comparison across languages** by means of a set of comparison meanings.

For lexical databases, a standard ontology now exists: The **Concepticon** (List et al. 2022, concepticon.cild.org), which has almost 4000 comparison meanings that bring together lexical concepts from diverse lexical data collections. This allows quick and automatic comparison of lexical forms from diverse databases.



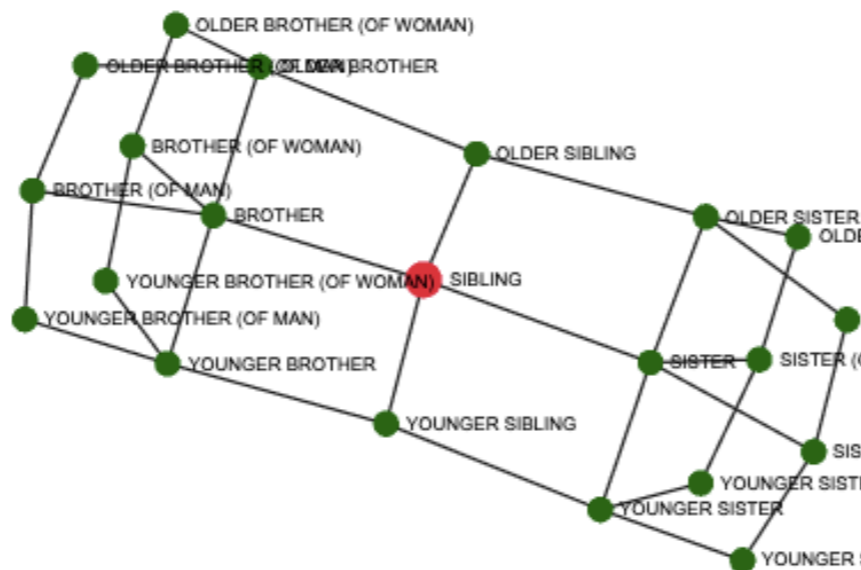
Welcome to the Concepticon

This resource presents an attempt to link the large amount of different concept lists which are used in the linguistic literature, ranging from [Swadesh lists](#) in historical linguistics to [naming tests](#) in clinical studies and psycholinguistics.

A Resource for the Linking of Concept Lists

This resource, our Concepticon, links **concept labels** from different **conceptlists** to **concept sets**. Each concept set is given a unique identifier, a unique label, and a human-readable definition. Concept sets are further structured by defining different relations between the concepts, as you can see in the graphic to the right, which displays the relations between concept sets linked to the concept set **SIBLING**. The resource can be used for various purposes. Serving as a rich reference for new and existing databases in diachronic and synchronic linguistics, it allows researchers a quick access to studies on semantic change, cross-linguistic polysemies, and semantic associations.

Note that the most important contribution by the Concepticon project are not the definitions given for individual **concept sets**, but the judgments which individual **elicitation glosses** to assign to the same concept set. As a result, the definitions may sometimes look less than optimal. We



Cite

List, Johann Mattis & Tjuka, Annika & Rzymiski, Christoph & Greenhill, Simon & Forkel, Robert (eds.) 2022.

CLLD CLLD Concepticon 3.0.0 [Data set]. Zenodo. <https://doi.org/10.5281/zenodo.7298023>

DOI [10.5281/zenodo.7298023](https://doi.org/10.5281/zenodo.7298023)

[cite](#)

Version

concepticon.clld.org serves the latest [released version](#) of data curated at [concepticon/concepticon-data](#). Older released version are accessible via DOI: [10.5281/zenodo.596412](https://doi.org/10.5281/zenodo.596412) on ZENODO as well.

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The concepticon includes lexical concepts from 161 concept lists: Swadesh list, IDS list, SIL-Africa list, Sutton & Walsh Australian list, and so on.

Altogether, there are 116,000 lexical concepts, grouped together into about 4000 concept sets or metaconcepts.

Concepticon
Home
Concepts
Concept sets
Concept lists
Languages
Compilers

Concept set ABSTAIN FROM FOOD

To refrain from eating.

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i

Id	Concept in source	Conceptlist
<input type="text" value="Search"/>	<input type="text" value="Search"/>	<input type="text" value="Search"/>
Borin-2015-1532-1111	to fast [english]	Borin 2015 1532
Buck-1949-1110-1093	fast (vb., religious) [english]	Buck 1949 1110
Hale-1973-1798-1333	fast [english]	Hale 1973 1798
Hale-1973-1798-930	abstain [english]	Hale 1973 1798
Haspelmath-2009-1460-1304	to fast [english]	Haspelmath 2009 1460
Key-2016-1310-1301	fast (vb) [english]; jeûner [french]; jejuar [portuguese]; поститься [russian]; ayunar [spanish]	Key 2016 1310
Lapesa-2014-772-4	abstain [english]	Lapesa 2014 772
List-2020-1365-1355	fast (vb) [english]	List 2020 1365
Marrison-1967-917-247	to fast [english]	Marrison 1967 917
Scheible-2014-1755-1009	fasten [german]	Scheible 2014 1755
Snider-2004-1700-291	abstain [english]; s'abstenir [french]	Snider 2004 1700
Steinthal-1875-1549-902	fasten [german]	Steinthal 1875 1549

A counterpart of of Concepticon: the Grammaticon

It would be good to set up a counterpart of the Concepticon for grammatical patterns, called **Grammaticon**, which will facilitate the comparison of different grammatical datasets.

Analogous to the lexical comparison meanings in the Concepticon (the **concept sets**), the Grammaticon contains **metafeatures** which capture what is common in highly similar features of different databases.

e.g.

- WALS: “Order of Subject, Object and Verb: SVO”
- APiCS: “Order of subject, object and verb: Subject-verb-object (SVO)”
- SAILS: “The dominant constituent order in a transitive clause is: AVP”
- DiACL: “What is the canonical (neutral) word order in a main clause? SVO”
- SSWL: “Property 05_SVO”

metafeature:

dominant order in transitive clauses is A-V-P

e.g.

WALS: “Inclusive/exclusive distinction in independent pronouns:
No inclusive/exclusive”

APiCS: “Inclusive/exclusive distinction in independent personal
pronouns: No inclusive/exclusive distinction”

SAILS: “Is there an inclusive/exclusive distinction in personal pronouns?
– no”

SAILS: “Is there a distinction between inclusive and exclusive for
personal pronouns? – no”

metafeature:

no clusivity distinction in independent personal pronouns