Comparing the incomparable

Michael Cysouw

Max Planck Institute for Evolutionary Anthropology

Meeting Forschergruppe 'Verbale Argumente'

	Nias	Wappo	Maasai
S intransitive predicate	mutated	-i	lowered tone
A transitive predicate	unmutated	-i	lowered tone
P transitive predicate	mutated	∅	lexical tone
citation form	unmutated	∅	lexical tone
vocative	?	∅	lexical tone
S nominal predication	mutated	∅	lowered tone
Predicate nominal predication	unmutated	∅	lexical tone
S existential clause	mutated	-i	?
S locational clause	mutated	-i	lowered tone
comparee	mutated	-i	?
base of comparison	unmutated	∅	?
S in Topic/Focus	unmutated	-i	lexical tone
attributive possessor	mutated	genitive	?
predicative possessor	mutated	-i	?
predicative possessee	mutated	∅	?
S in subordinate clause	?	∅	lowered tone
causer	unmutated	-i	lexical tone
other valence increase	mutated	?	lexical tone
S of passive/antipassive	unmutated	-i	lexical tone
base of inflection	?	∅	?
base of compounding	?	∅	?

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other valence increase	mutated	?	lexical tone
S of passive/antipassive	unmutated	-i	lexical tone
base of inflection	?	∅	?
base of compounding	?	∅	?

Comparing languages

	Nias	Wappo	Maasai
S intransitive predicate	mutated	-i	lowered tone
A transitive predicate	unmutated	-i	lowered tone
P transitive predicate	mutated	∅	lexical tone
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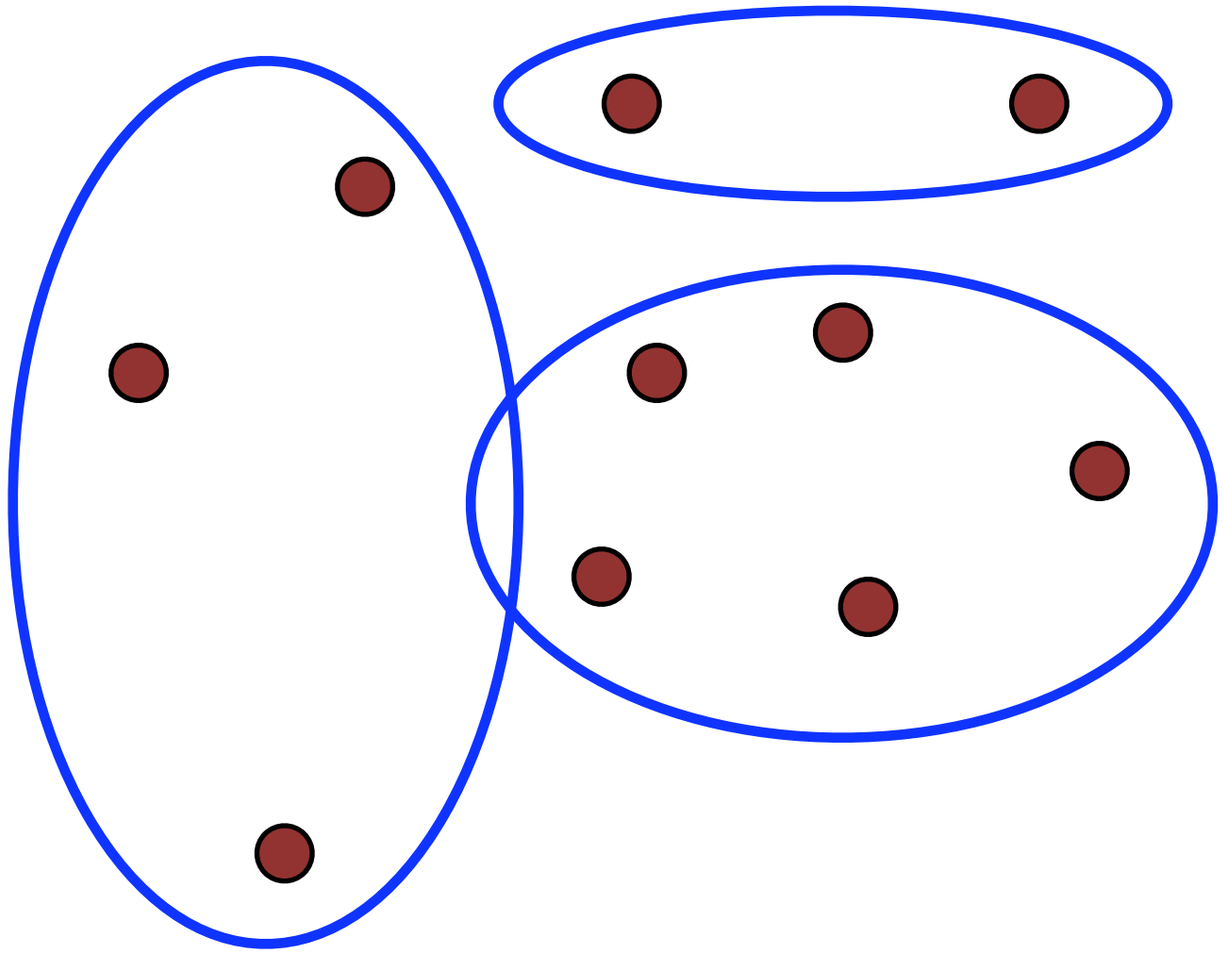
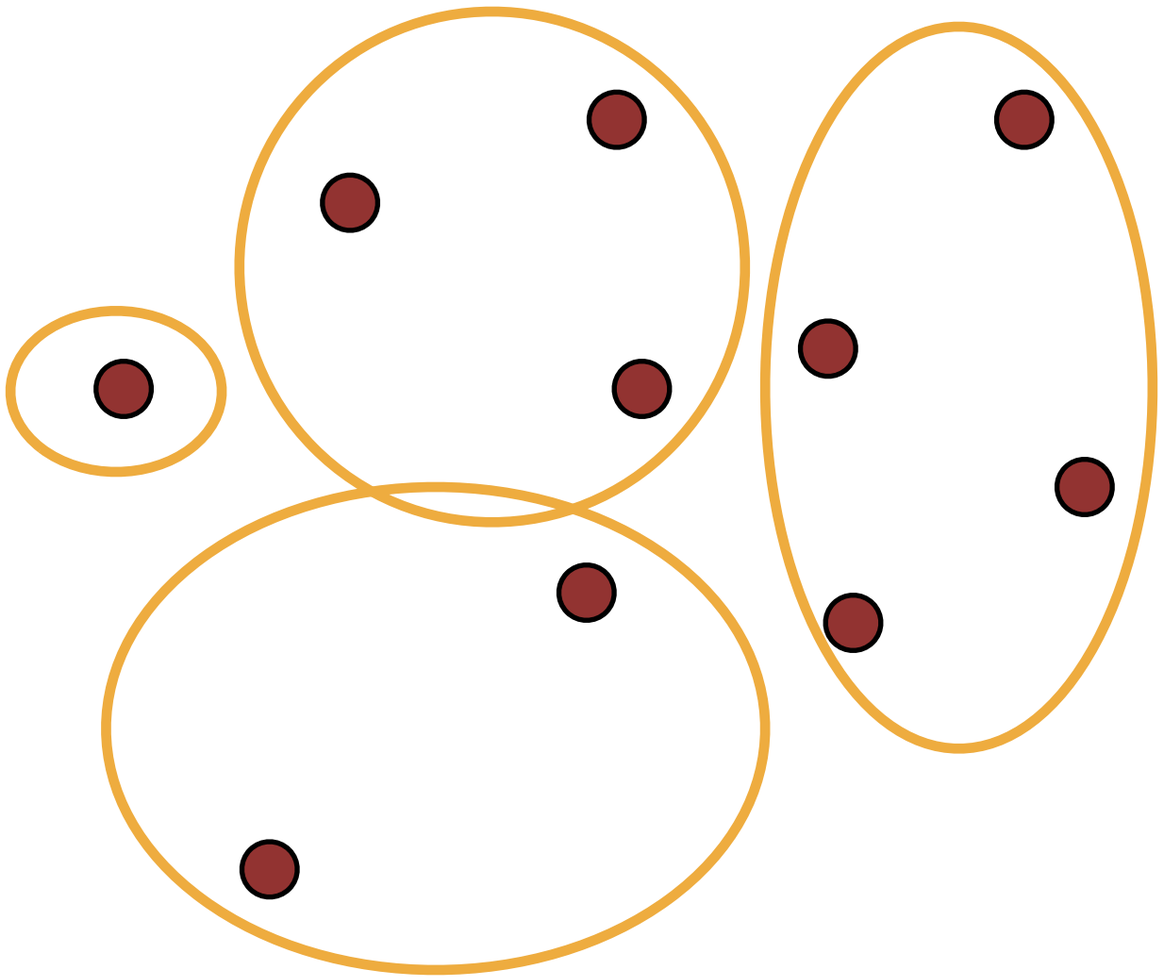
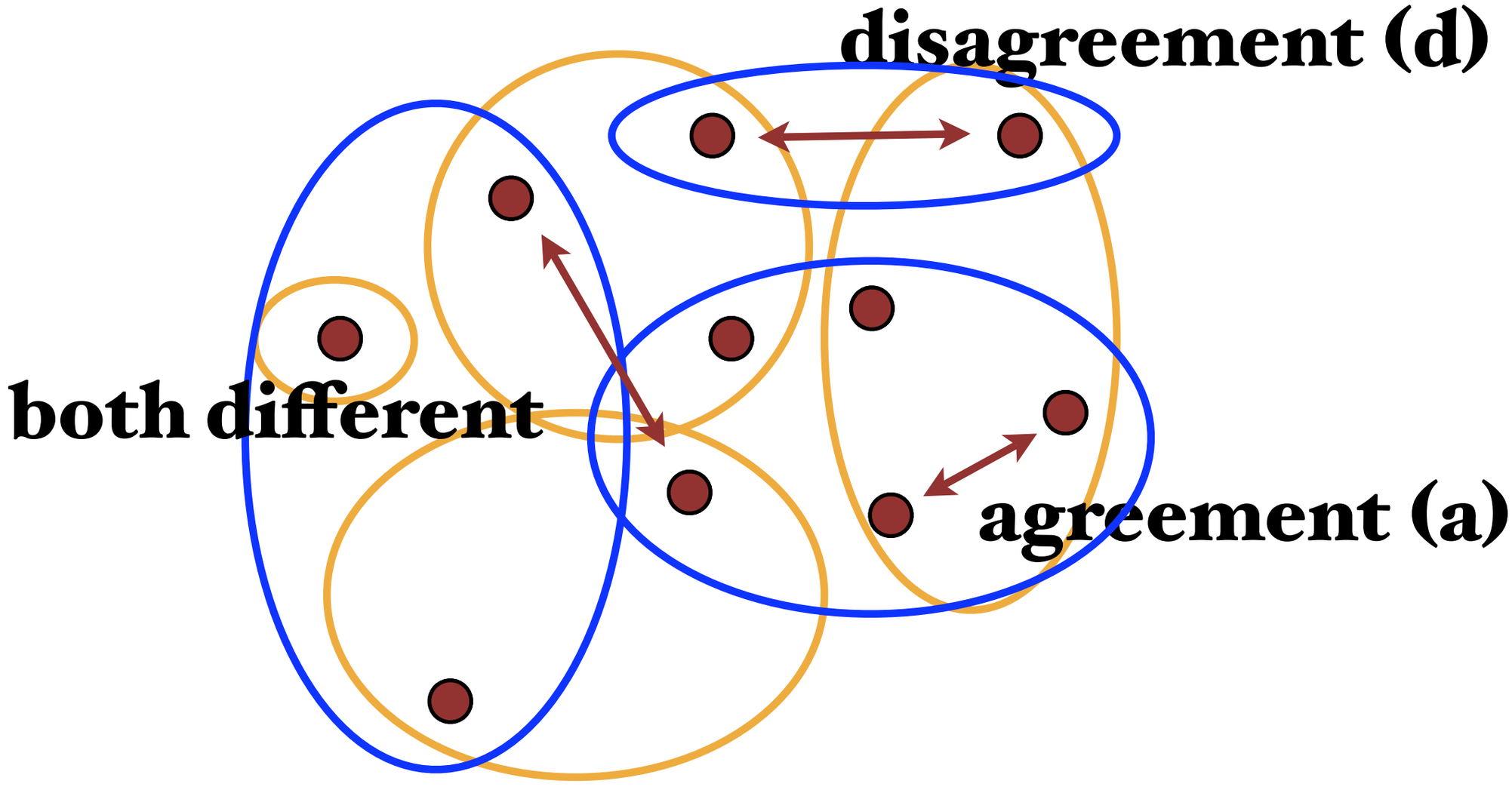
causer	unmutated	-i	lexical tone
other valence increase	mutated	?	lexical tone
S of passive/antipassive	unmutated	-i	lexical tone
base of inflection	?	∅	?
base of compounding	?	∅	?





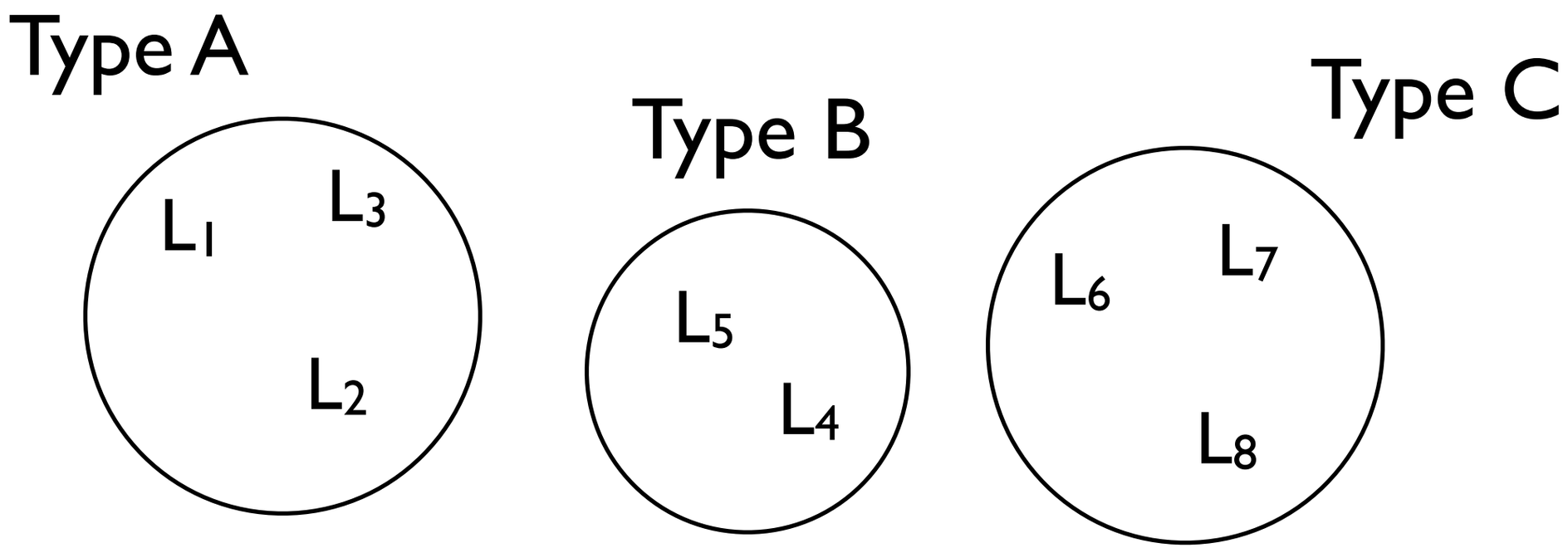


Jaccard distance:

$d/_{a+d}$

Typology without Types

	Nias	Wappo	Diegueño	Mojave	Maidu	Aymara	Maasai	Turkana	Dinka	K'abeena
Nias	0	74	71	76	79	82	63	76	80	73
Wappo	74	0	47	62	79	75	73	72	75	66
Diegueño	71	47	0	38	89	83	50	83	67	82
Mojave	76	62	38	0	75	70	69	85	0	78
Maidu	79	79	89	75	0	0	67	83	75	54
Aymara	82	75	83	70	0	0	57	75	67	57
Maasai	63	73	50	69	67	57	0	75	0	65
Turkana	76	72	83	85	83	75	75	0	33	70
Dinka	80	75	67	0	75	67	0	33	0	75
K'abeena	73	66	82	78	54	57	65	70	75	0


Type A
L1
L3
L2
Type B
L5
L4
Type C
L6
L7
L8

	Type A			Type B		Type C			
	L_1	L_2	L_3	L_4	L_5	L_6	L_7	L_8	…
L_1	0	0	0	1	1	1	1	1	
L_2	0	0	0	1	1	1	1	1	
L_3	0	0	0	1	1	1	1	1	
L_4	1	1	1	0	0	1	1	1	
L_5	1	1	1	0	0	1	1	1	
L_6	1	1	1	1	1	0	0	0	
L_7	1	1	1	1	1	0	0	0	
L_8	1	1	1	1	1	0	0	0	
…									

Undifferentiated Typology

	Type A			Type B		Type C			
	L_1	L_2	L_3	L_4	L_5	L_6	L_7	L_8	…
L_1	0	0	0	0.37	0.37	0.28	0.28	0.28	
L_2	0	0	0	0.37	0.37	0.28	0.28	0.28	
L_3	0	0	0	0.37	0.37	0.28	0.28	0.28	
L_4	0.37	0.37	0.37	0	0	0.58	0.58	0.58	
L_5	0.37	0.37	0.37	0	0	0.58	0.58	0.58	
L_6	0.28	0.28	0.28	0.58	0.58	0	0	0	
L_7	0.28	0.28	0.28	0.58	0.58	0	0	0	
L_8	0.28	0.28	0.28	0.58	0.58	0	0	0	
…									

Differentiated Typology

	L_1	L_2	L_3	L_4	L_5	L_6	L_7	L_8	…
L_1	0	0.55	0.72	0.31	0.70	0.61	0.50	0.58	
L_2	0.55	0	0.55	0.31	0.40	0.44	0.31	0.48	
L_3	0.72	0.55	0	0.29	0.53	0.51	0.48	0.60	
L_4	0.31	0.31	0.29	0	0.38	0.36	0.26	0.27	
L_5	0.70	0.40	0.53	0.38	0	0.64	0.51	0.46	
L_6	0.61	0.44	0.51	0.36	0.64	0	0.57	0.43	
L_7	0.50	0.31	0.48	0.26	0.51	0.57	0	0.47	
L_8	0.58	0.48	0.60	0.27	0.46	0.43	0.47	0	
…									

‘Deconstructed’ Typology, or: Typology without Types

Typology without Types

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Maasai	63	73	50	69	67	57	0	75	0	65
Turkana	76	72	83	85	83	75	75	0	33	70
Dinka	80	75	67	0	75	67	0	33	0	75
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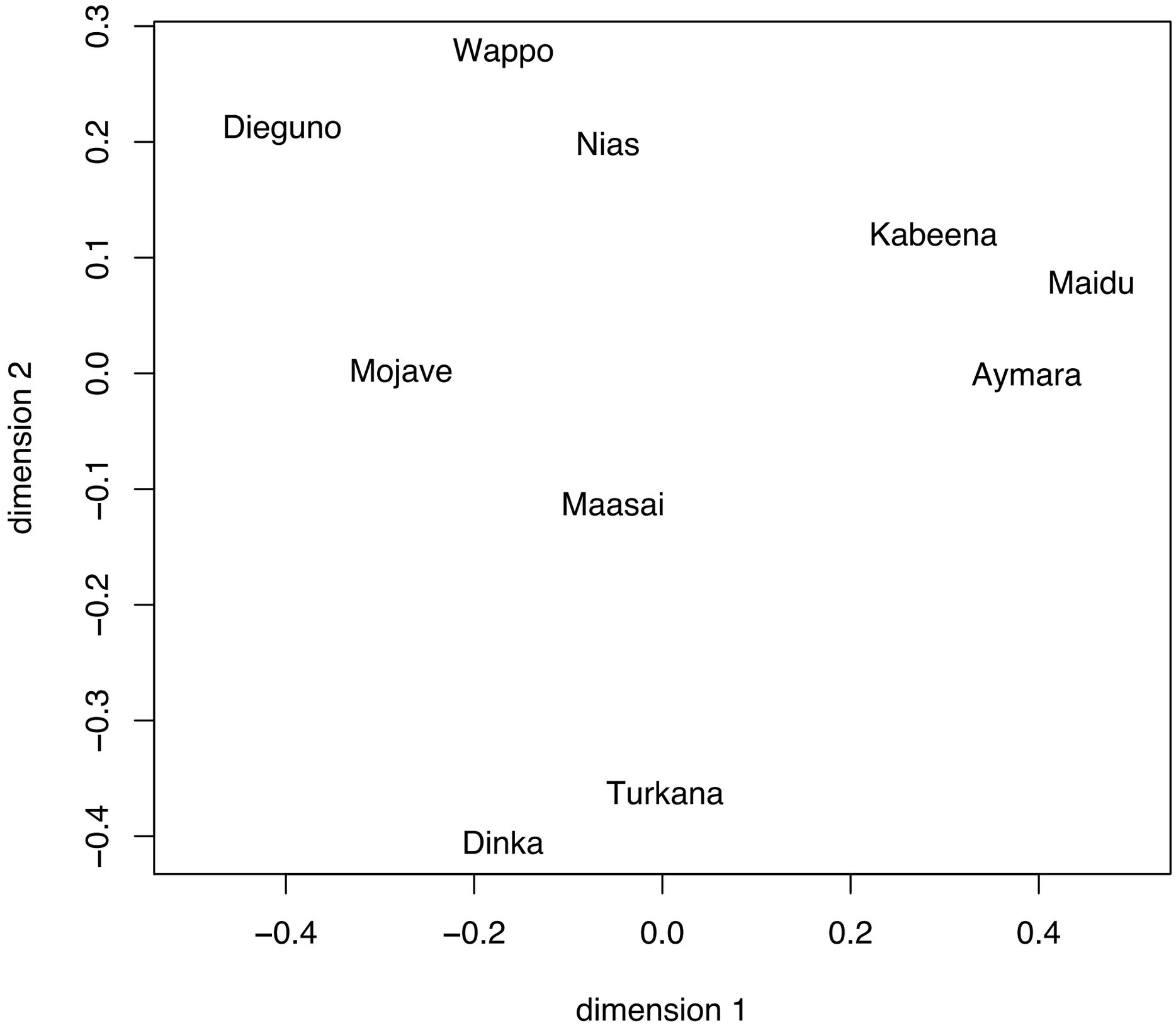
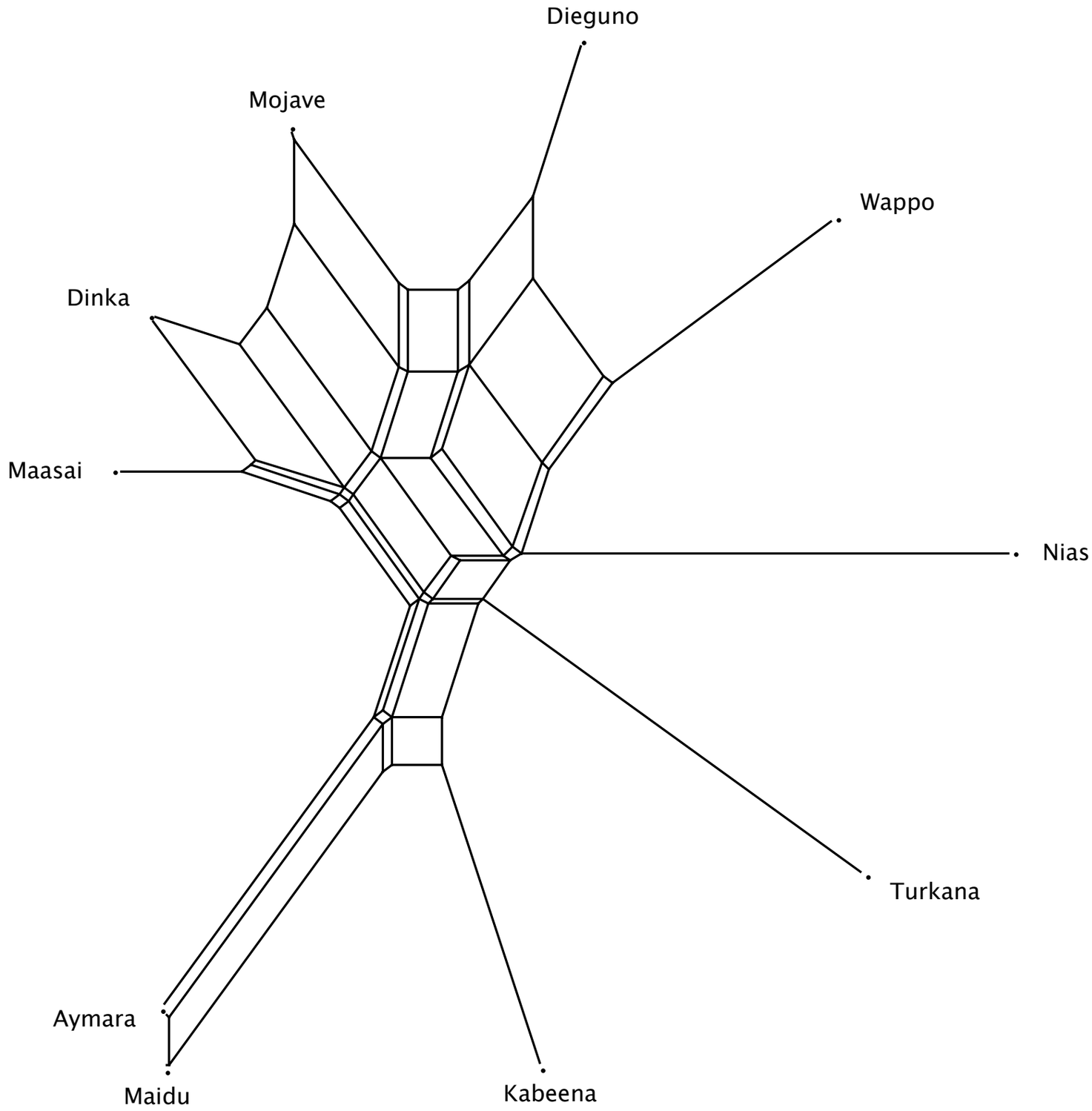
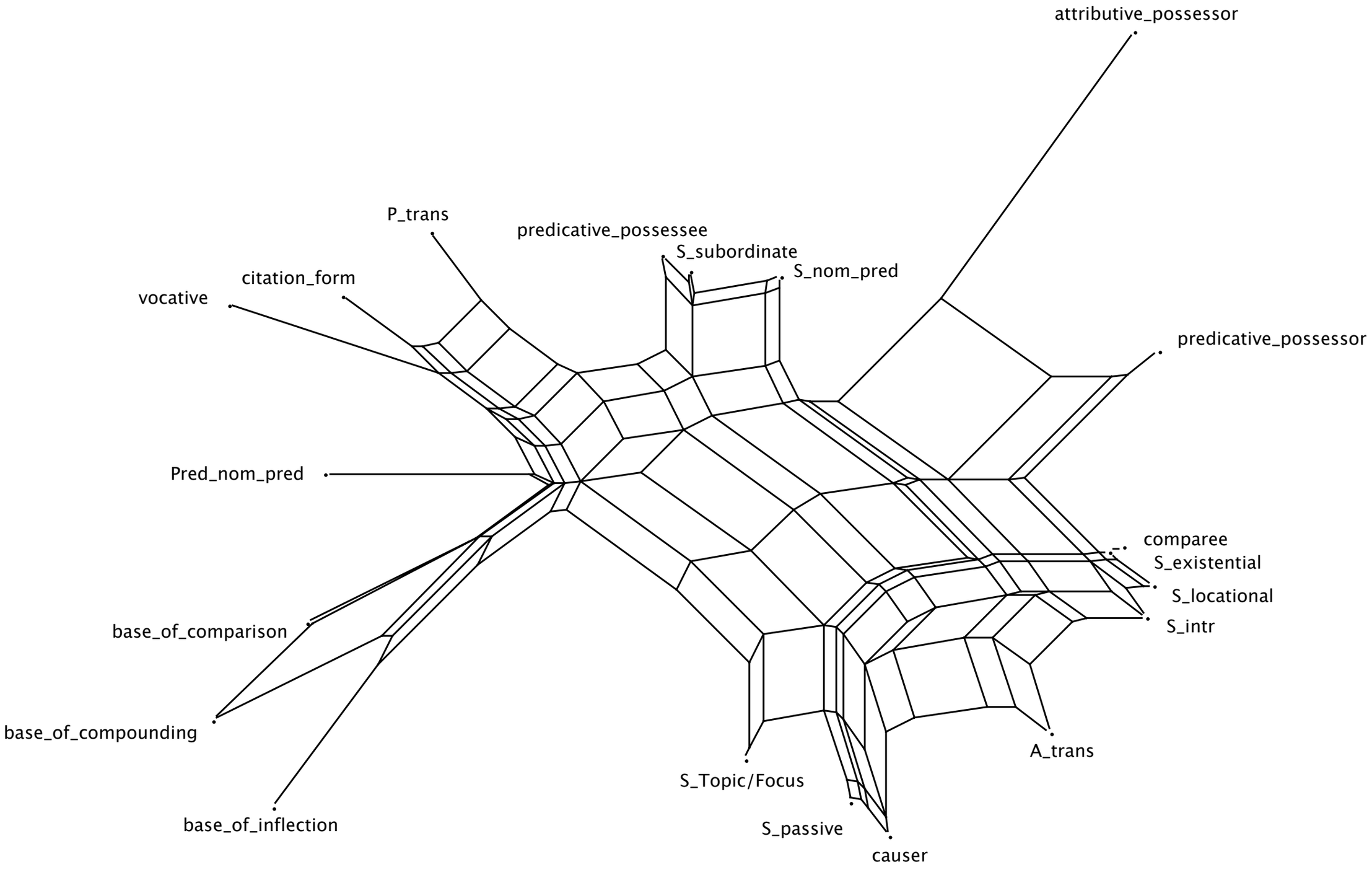
Investigating the structure of the typology



Investigating the structure of the typology



Comparing contexts


attributive_possessor
P_trans
predicative_possessee
S_subordinate
S_nom_pred
citation_form
vocative
predicative_possessor
Pred_nom_pred
comparee
S_existential
S_locational
S_intr
base_of_comparison
base_of_compounding
A_trans
S_Topic/Focus
S_passive
causer
base_of_inflection