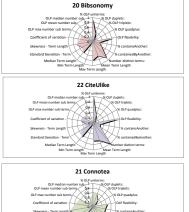
Term Morphologies as Meaningful Typology Characteristics for Indexing Languages

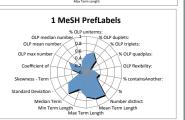
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JOSEPH T. TENNIS



	UNI	DUP	TRI	QUA	FLE	CON	СВҮ	DIS	MLE	XLE	NLE	DLE	SD	SKE	COE	омх	0MN	0MD
Bibsonomy	0.96	.34	.11	.02	.83	.27	.42	.87	.63	.79	0	.6	.49	.68	.61	.56	.07	0
CiteULike	1	.3	.11	.01	1	.25	.3	1	.68	.65	0	.65	.52	.24	.47	.48	.06	0
Connotea	0.59	.55	.32	.09	.64	.54	.57	.95	.74	.83	0	.71	.69	1	.73	.64	.17	.33
MeSH	.49	.59	.41	.12	.23	.37	.33	.82	.77	.68	.5	.76	.57	.17	.4	.55	.19	.33
ACM	.24	.65	.48	.26	.14	.42	.4	.57	.83	.68	.75	.82	.63	.2	.4	.49	.28	.33
FMA	.02	.08	.23	1	.24	1	.78	.91	1	.72	.5	1	.74	.08	.34	.53	.7	1
PRO	.15	.1	.31	.84	.18	.73	.54	.54	.89	.76	.75	.91	.69	.18	.42	.63	.48	.83



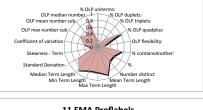




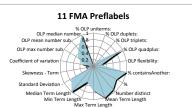
CASE	10	9	8	7	6	5	4	3				
CLUSTERS												
MeSH	1	1	1	1	1	1	1	1				
PRO	5	5	4	3	3	2	2	2				
FMA	5	5	4	3	3	2	2	2				
ACM	1	1	1	1	1	1	1	1				
BIB	8	8	7	6	5	4	4					
CON	9	9	8	7	6	5	4	3				
CIT	8	8	7	6	5	4	4	3				

NEXT STEPS

- (1) Gathering more data and diverse types of indexing languages and more examples of the types present here.
- (2) Capturing time-lapse data to see how these term morphologies change over time [cf. 2, 3]



8 PRO



TERM MORPHOLOGY

Every indexing language is made up of terms. Those terms have *morphological* characteristics. These include terms made up of single words, two words, or more. We can also take into account the total number of terms.

We can assemble these measures, normalize them, and then cluster indexing languages based on this common set of measures [1].

Cluster analysis reviews discrete groups based on term morphology that comport with traditional design assumptions that separate ontologies, from thesauri, and folksonomies.

References

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System (SKOS) for Concept Management in Vocabulary Development Applications." In Journal of the American Society for Information Science and Technology. 59(1): 25-37.