

The Structure of Scientific Disciplines

A Comparative Analysis of Bibliometric & Semantic Networks

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Table 1: Number of Communities

Field	Citation	Co-Citation	Co-Occurrence
Gender Studies	566	54	6
Geometry	726	73	7
Geophysics	5307	436	5
Economics	415	33	6
Language & Linguistics	345	34	6
Probability & Statistics	928	102	4
Material Engineering	2530	212	5
Artificial Intelligence	689	44	8
Sociology	270	26	7
International Business	322	39	6
Political Science	522	47	7
Genetics & Genomics	4042	395	6
Immunology	1245	91	10
Human Resources & Organizations	276	27	6
Ethnic & Cultural Studies	588	40	5
Neurology	1115	110	5

Table 2: Number of Components

Field	Citation	Co-Citation	Co-Occurrence
Gender Studies	48	43	1
Geometry	299	70	1
Geophysics	163	387	1
Economics	4	20	1
Language & Linguistics	12	17	1
Probability & Statistics	92	77	1
Material Engineering	50	179	1
Artificial Intelligence	16	24	1
Sociology	8	15	1
International Business	12	29	1
Political Science	27	29	1
Genetics & Genomics	47	347	1
Immunology	13	68	1
Human Resources & Organizations	1	14	1
Ethnic & Cultural Studies	29	28	1
Neurology	30	88	1

Figure 1: All fields

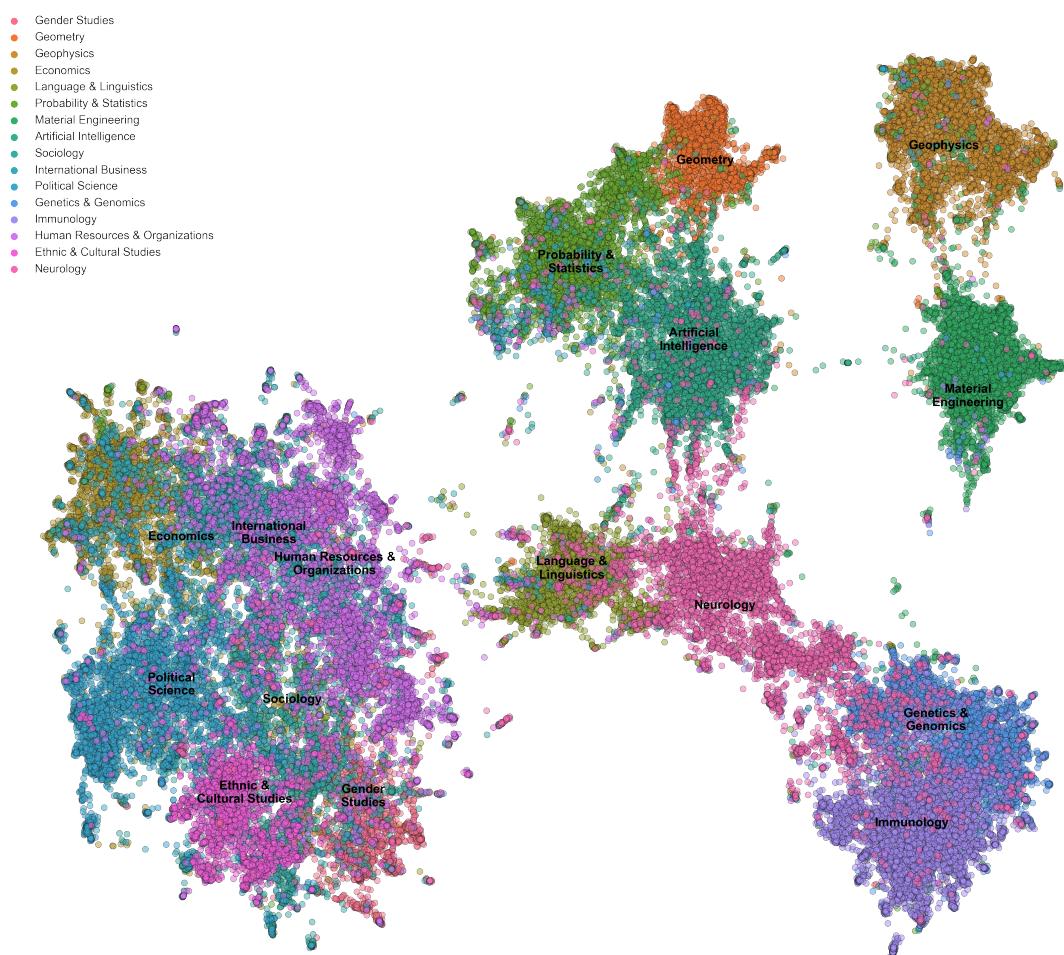


Figure 2: All fields Centroid Distance

