

Datos: adquisición, transformación y visualización

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tres momentos

recolección y adquisición

transformación y explotación

visualización

cuatro grupos de fuentes

bases de datos bibliográficas

portales oficiales

repositorios de investigación

otros (logs, motores, scraping, etc.)

bases de datos bibliográficas

pueden ser un *proxy* de la realidad

preferentemente de citas y multidisciplinarios

WOS - Scopus - Google Scholar

Incites - SciVal - SCImago

bases de datos bibliográficas

visualización online y offline

representaciones unidimensionales,

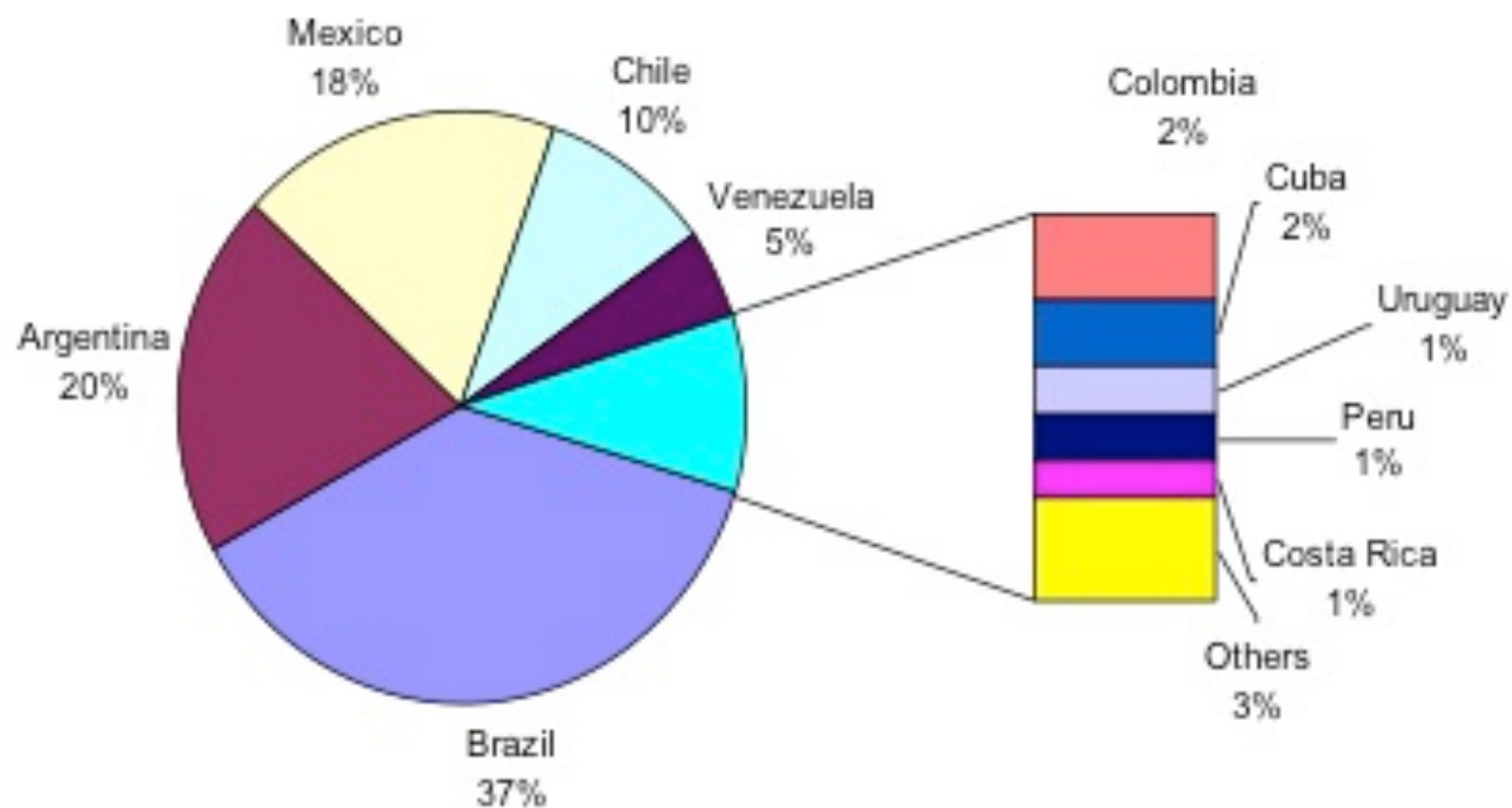
bidimensionales y multidimensionales

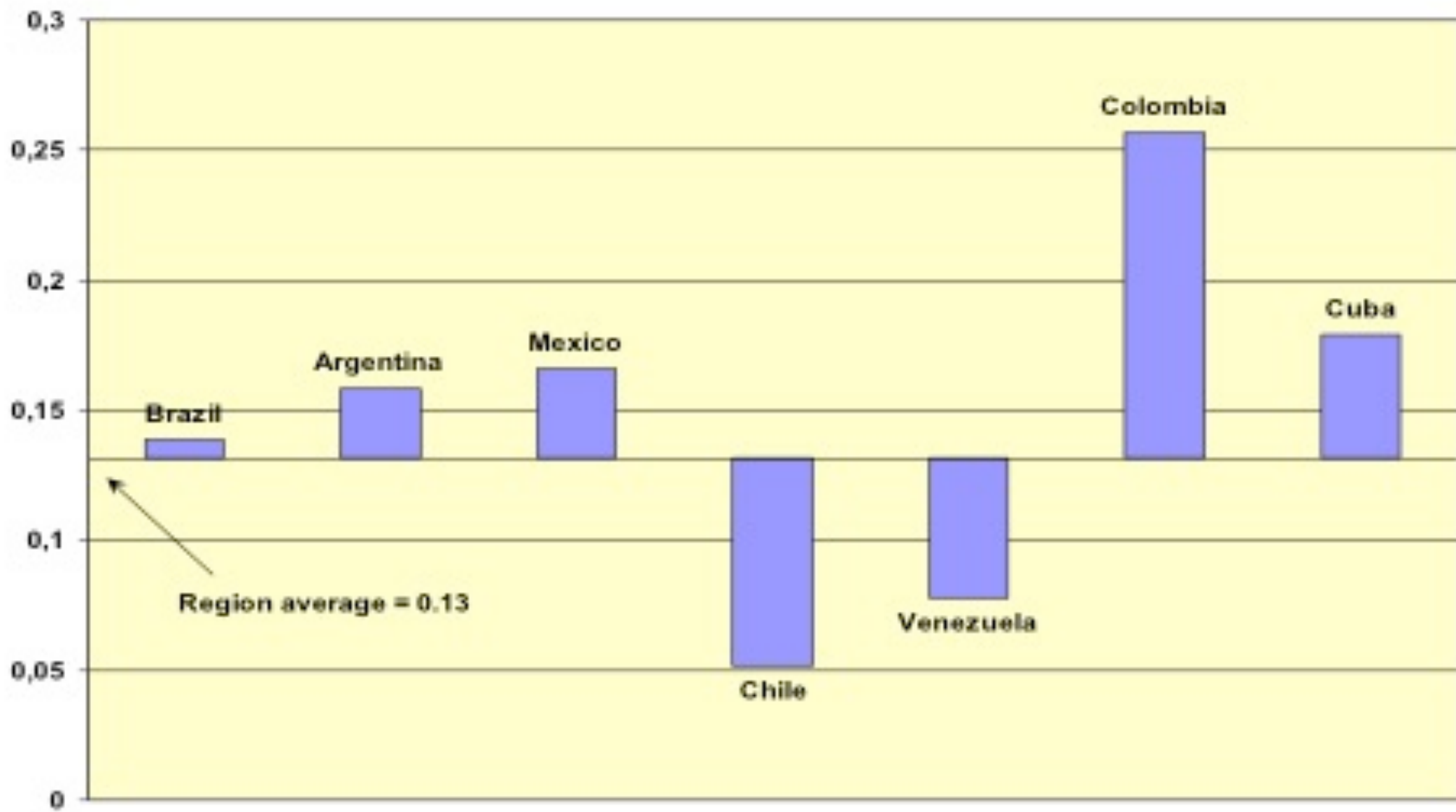
coocurrencia de elementos

análisis de dominio

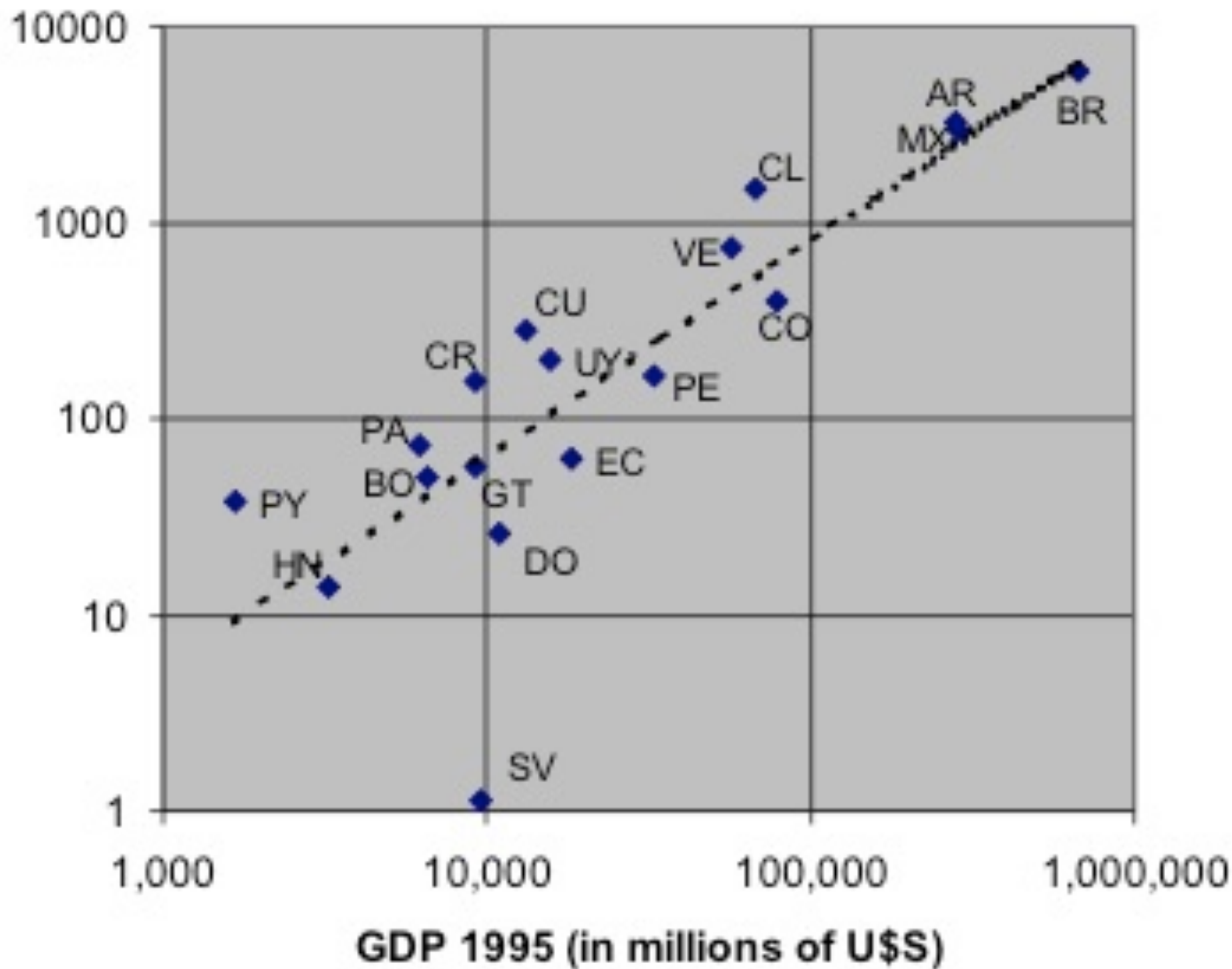
ejemplo...

ciencia en América Latina



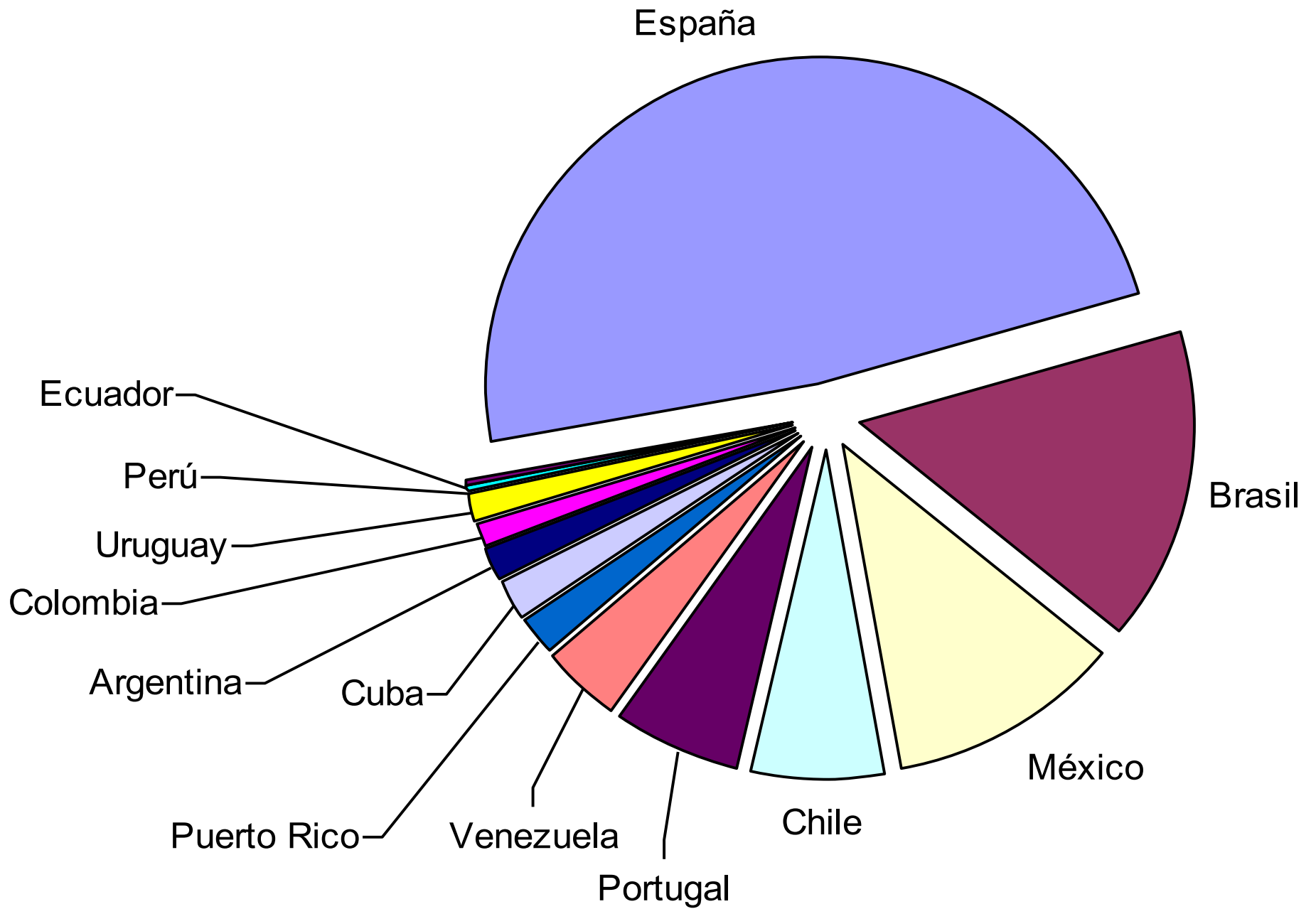


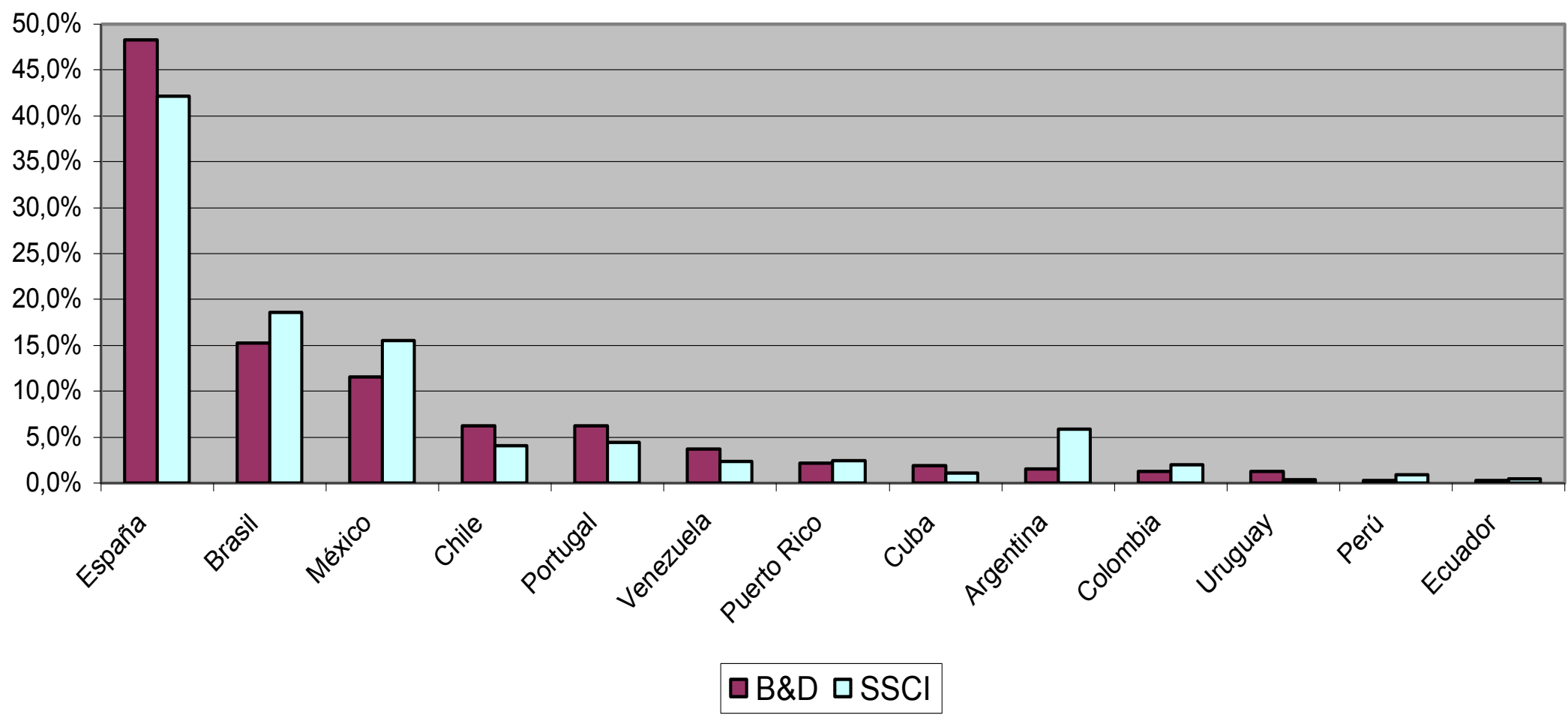
Articles SCI 1996

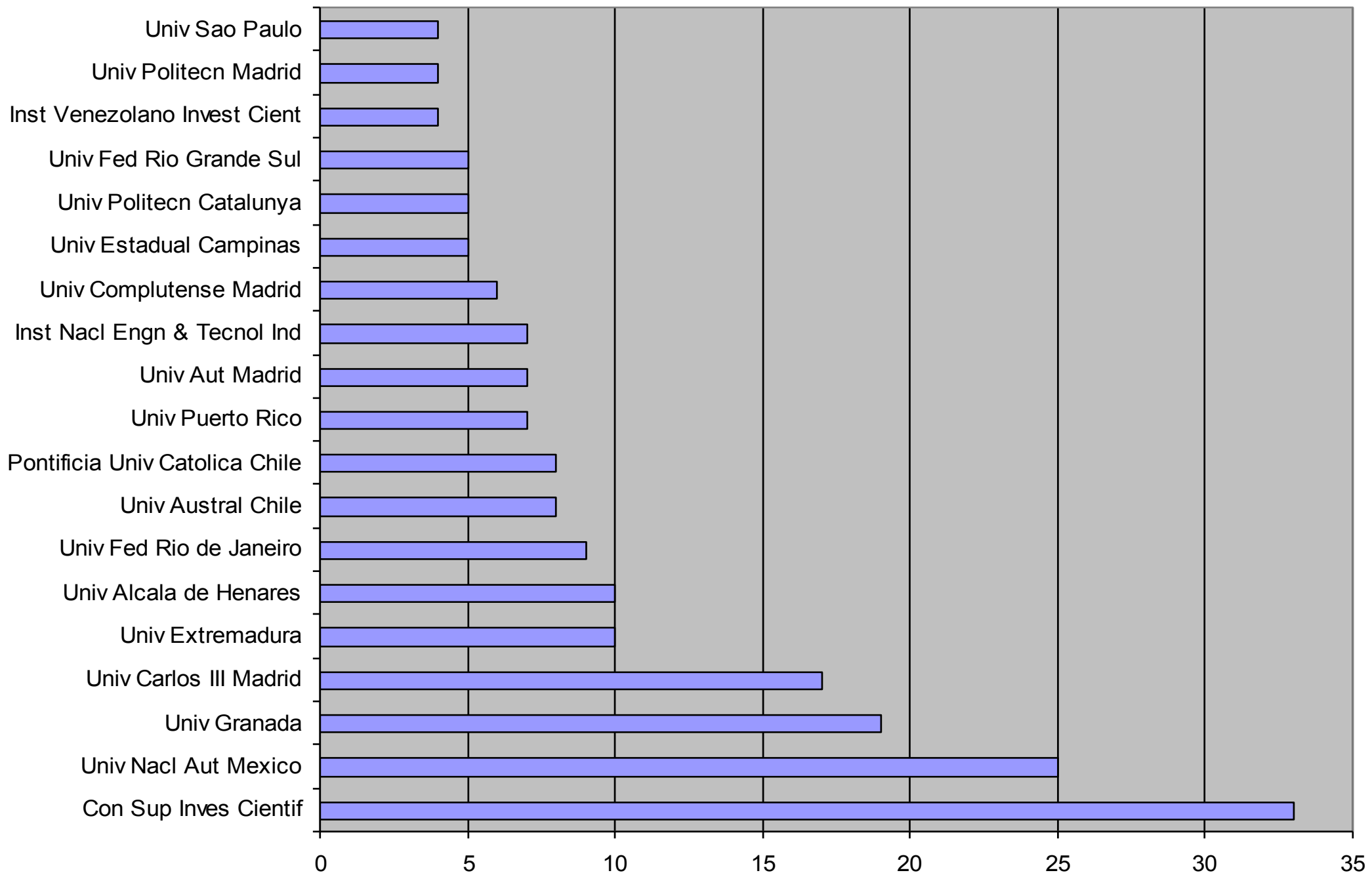


ejemplo...

Library & Information Science
España + LATAM







Otros 28 títulos

Scientometrics

Electr Libr

Serials Librarian

Online & CDROM

Rev

Telecomm Policy

J Doc

J Amer Med Inf

Assoc

Restaurator

Libri

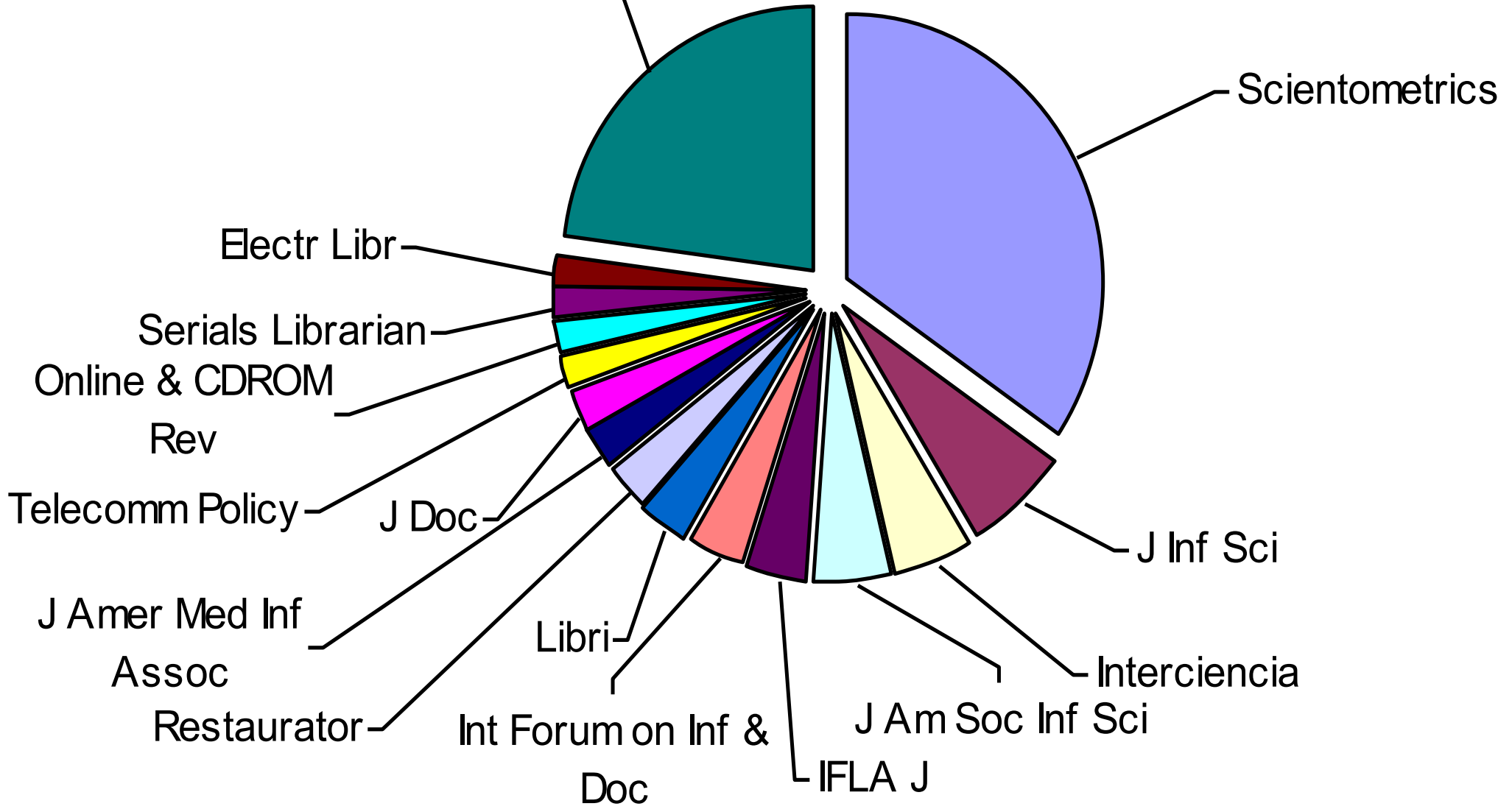
Int Forum on Inf &
Doc

IFLA J

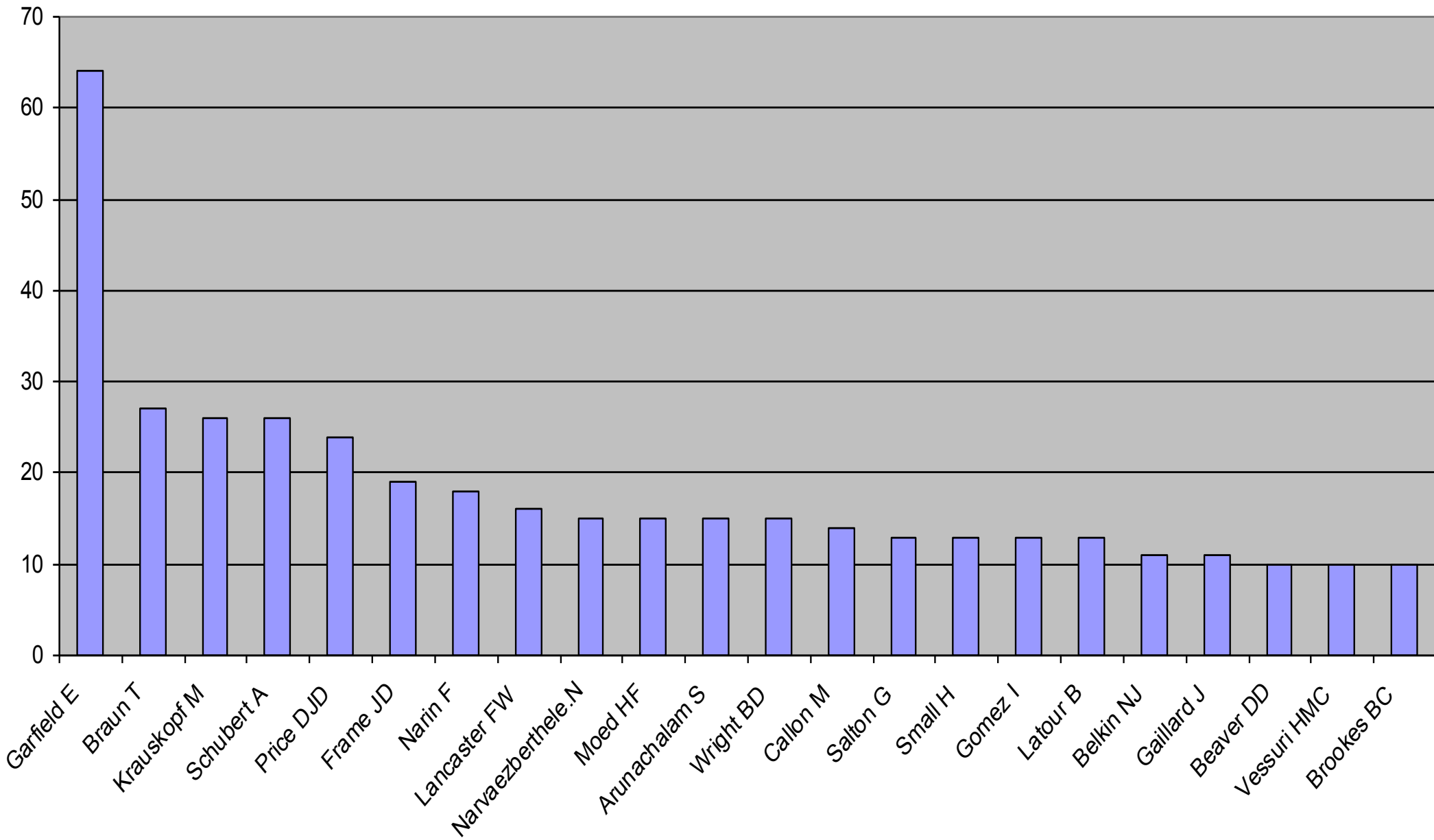
J Am Soc Inf Sci

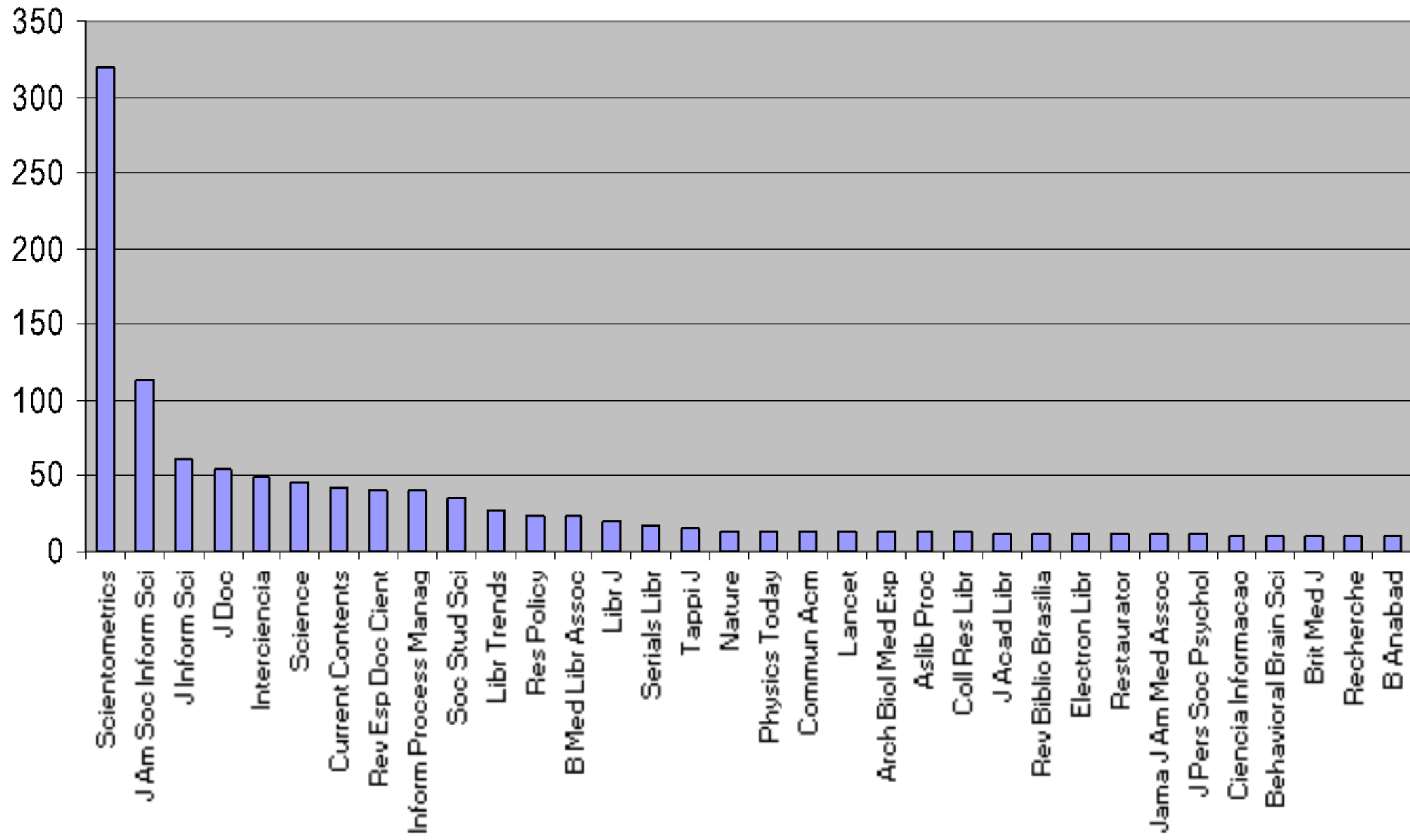
Interciencia

J Inf Sci



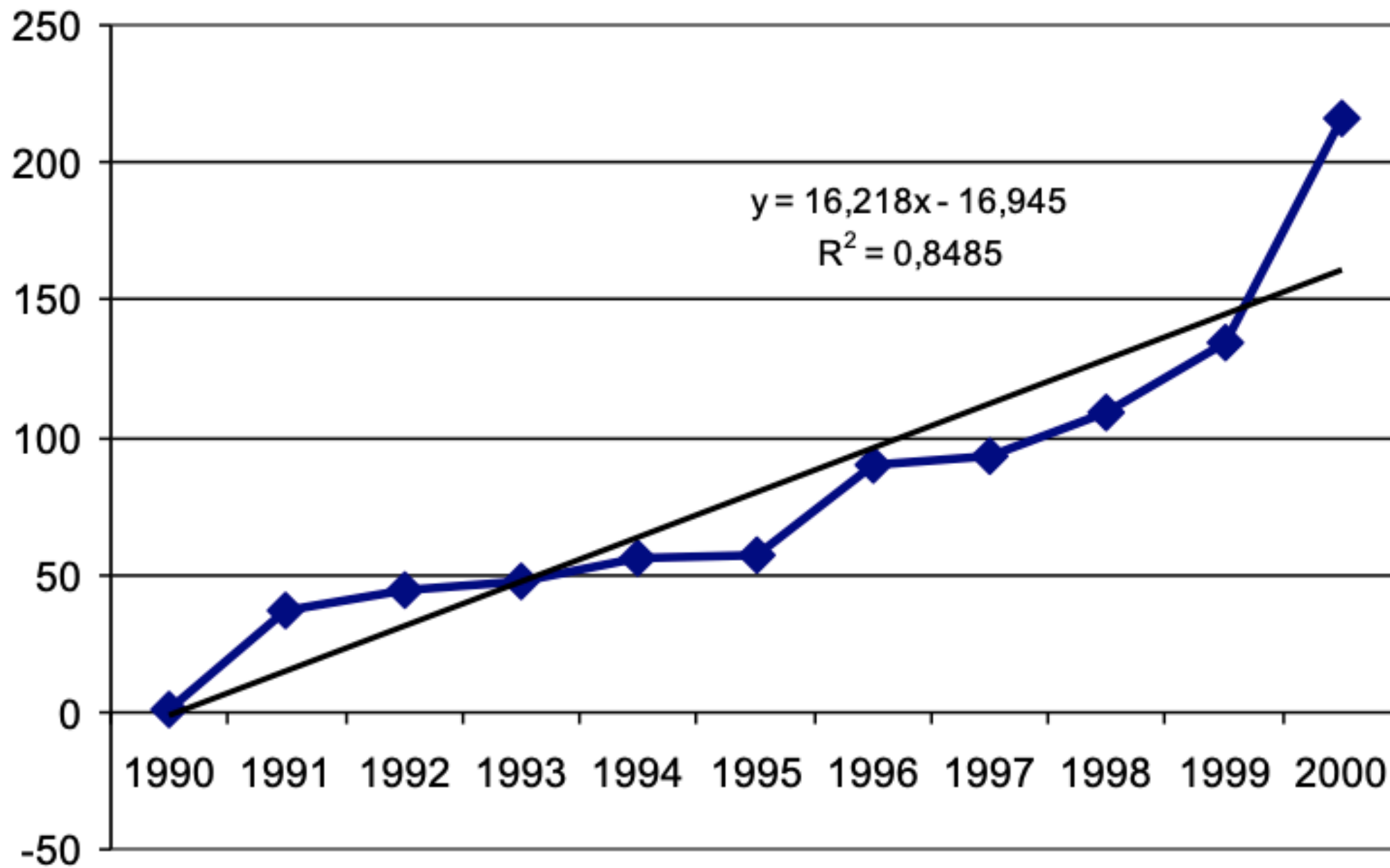
RANK	TITLE	IMPACT FACTOR	CITED HALF-LIFE
(CONTINUED)			
INFECTIOUS DISEASES			
19	INT J STD AIDS	0.581	2.9
20	IMMUN INFEKT	0.361	
21	MED MALADIES INFECT	0.205	5.4
INFORMATION SCIENCE & LIBRARY SCIENCE			
1	J AM SOC INFORM SCI	1.074	6.0
2	J DOC	1.033	> 10.0
3	ANNU REV INFORM SCI	0.941	6.4
4	INFORM PROCESS MANAG	0.670	5.1
5	SCIENTOMETRICS	0.593	6.1
5	ONLINE	0.593	2.4
7	PROGRAM-AUTOM LIBR	0.588	
8	DATABASE	0.556	2.4
9	ONLINE CDROM REV	0.389	
10	CAN J INFORM LIB SCI	0.296	
11	ASLIB PROC	0.281	
12	INFORM TECHNOL LIBR	0.259	
13	J INFORM SCI	0.224	6.8
14	ONLINE REV	0.150	
15	P ASIS ANNU MEET	0.103	





ejemplo...

Univ Nac de Mar del Plata



#	Categoría temática
128	Polymer Science
76	Marine & Freshwater Biology
62	Physics
54	Agriculture
52	Plant Sciences
44	Chemistry, Physical
36	Oceanography
31	Ecology
30	Physics, Mathematical
27	Zoology
26	Environmental Sciences
24	Physics, Fluids & Plasmas
23	Agriculture, Dairy & Animal Science
22	Materials Science
22	Acoustics
21	Biochemistry & Molecular Biology
20	Veterinary Sciences
18	Physics, Condensed Matter
18	Materials Science, Ceramics
18	Biology
16	Chemistry, Analytical
16	Parasitology
14	Engineering, Chemical
14	Food Science & Technology
13	Physics, Applied

13	Fisheries
11	Physics, Particles & Fields
10	Mathematics, Applied
10	Microbiology
10	Electrochemistry
9	Biotechnology & Applied Microbiology
9	Genetics & Heredity
9	Water Resources
8	Chemistry
8	Physics, Atomic, Molecular & Chemical
8	Geosciences, Interdisciplinary
8	Entomology
8	Paleontology
8	Engineering, Civil
7	Materials Science, Characterization & Testing
7	Mechanics
7	Engineering, Marine
7	Ornithology
7	Toxicology
6	Materials Science, Composites
6	Engineering, Mechanical
6	Agriculture, Soil Science
5	Chemistry, Inorganic & Nuclear
5	Instruments & Instrumentation
5	Mathematics
5	Metallurgy & Metallurgical Engineering

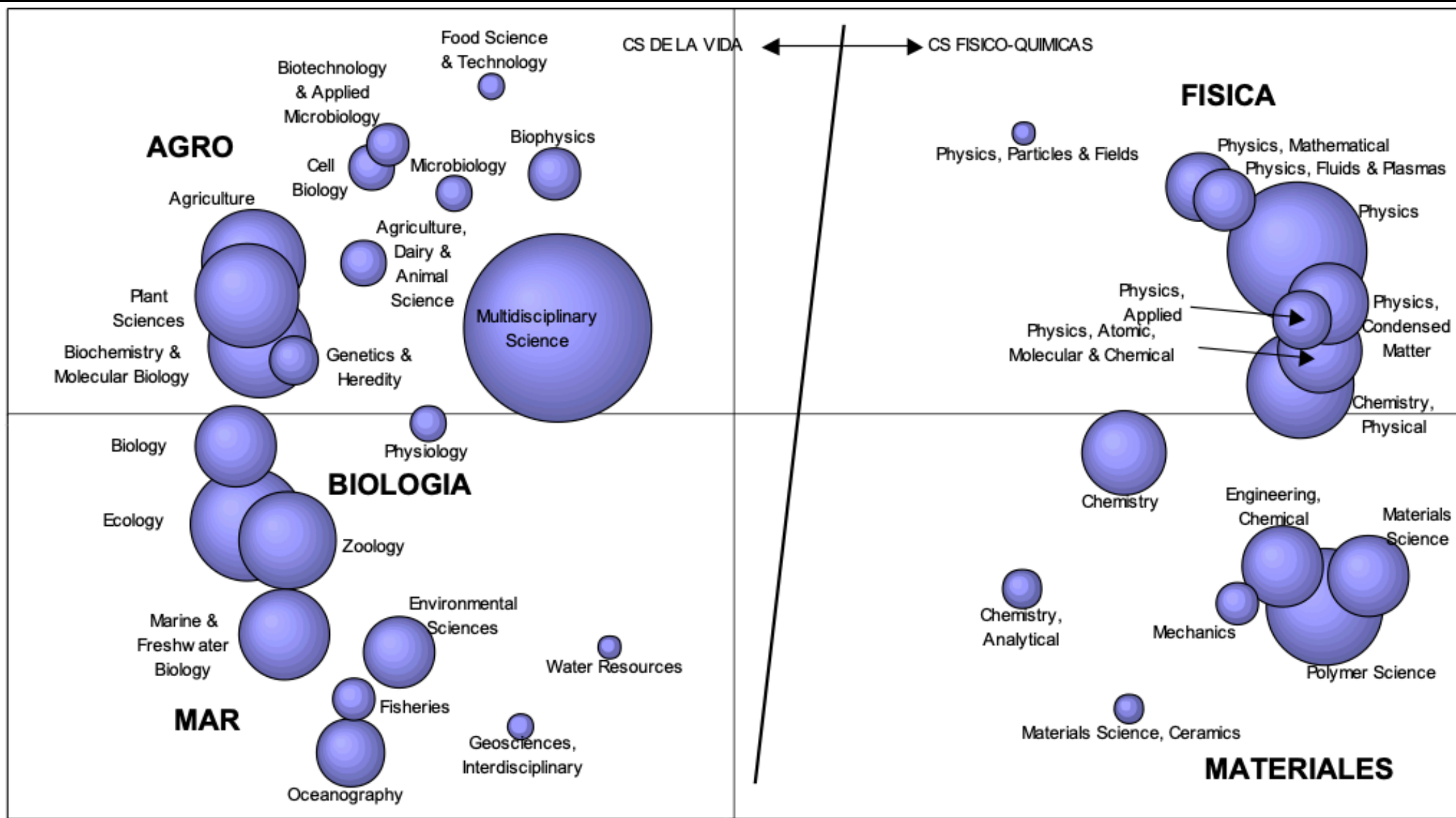
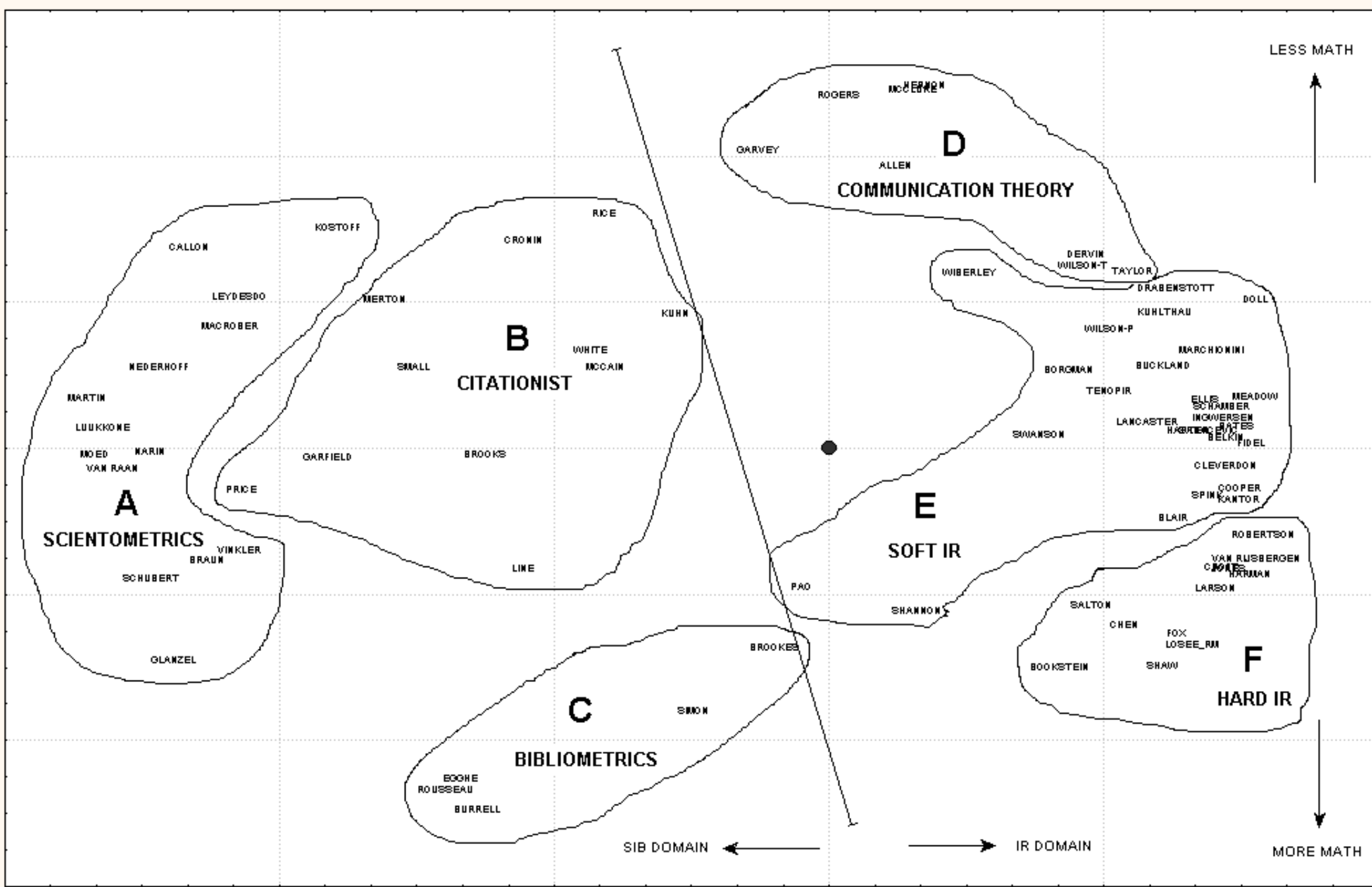
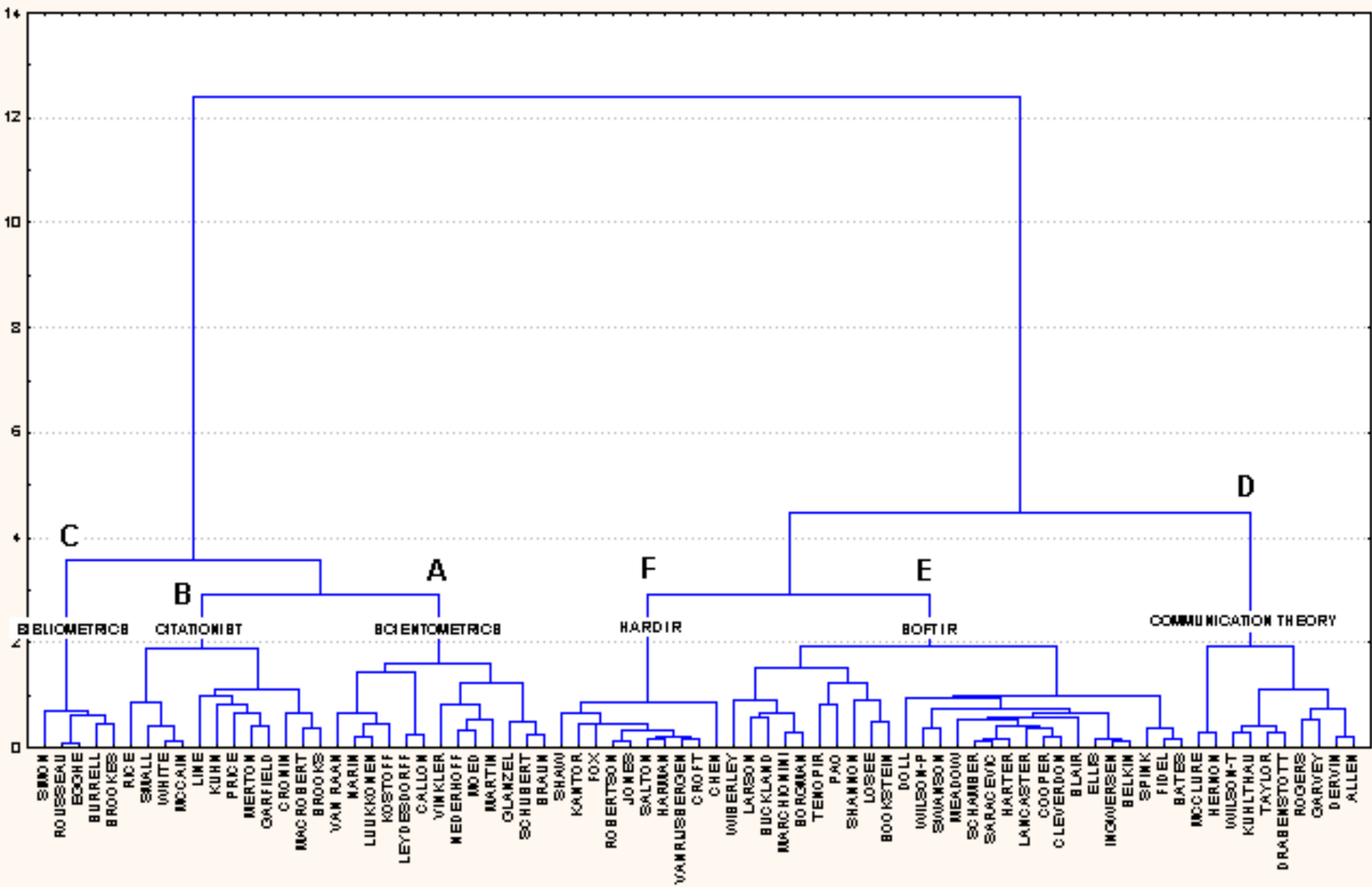


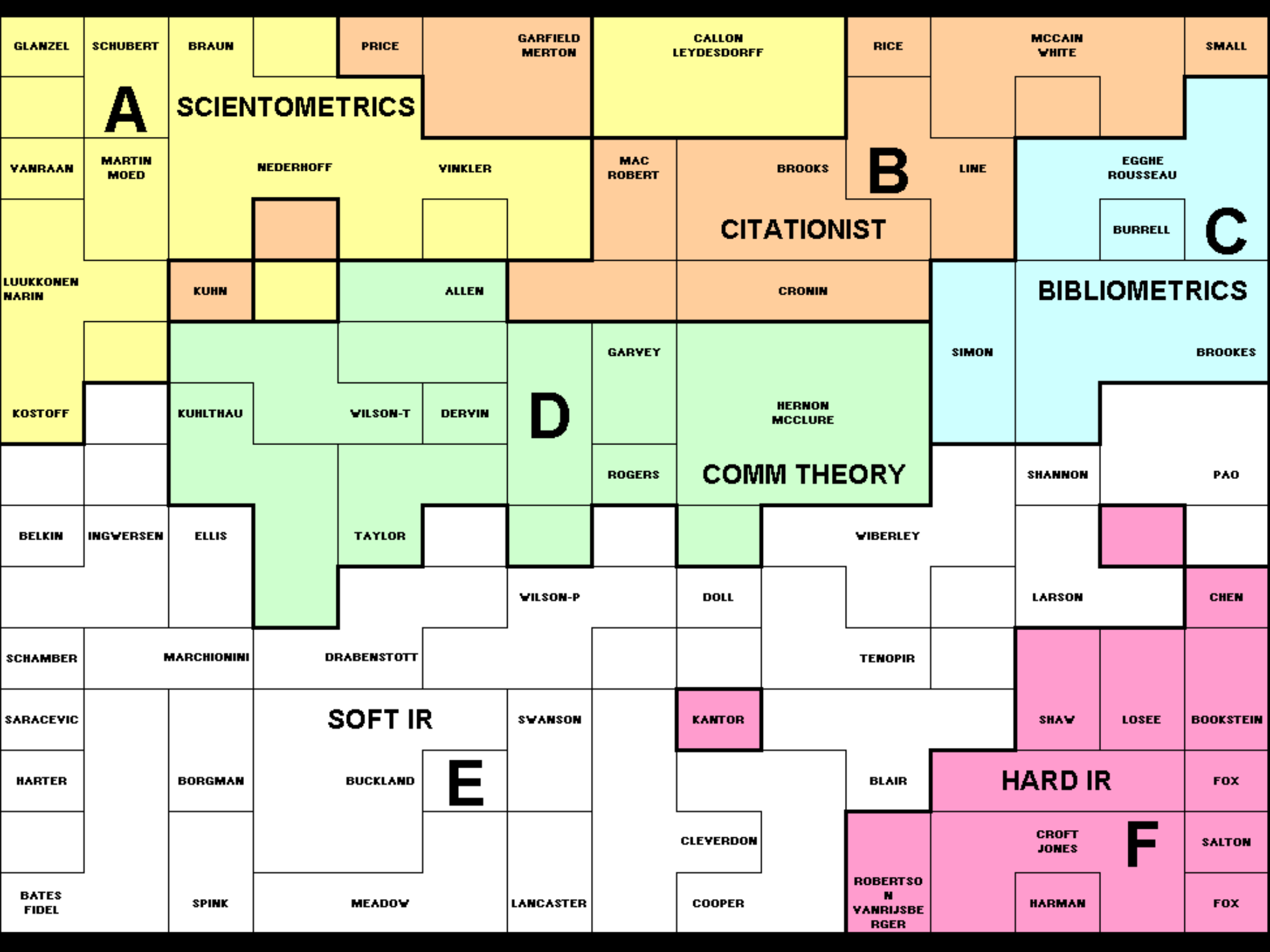
Figura 4 – Mapa de cocitación temática de la UNMdP

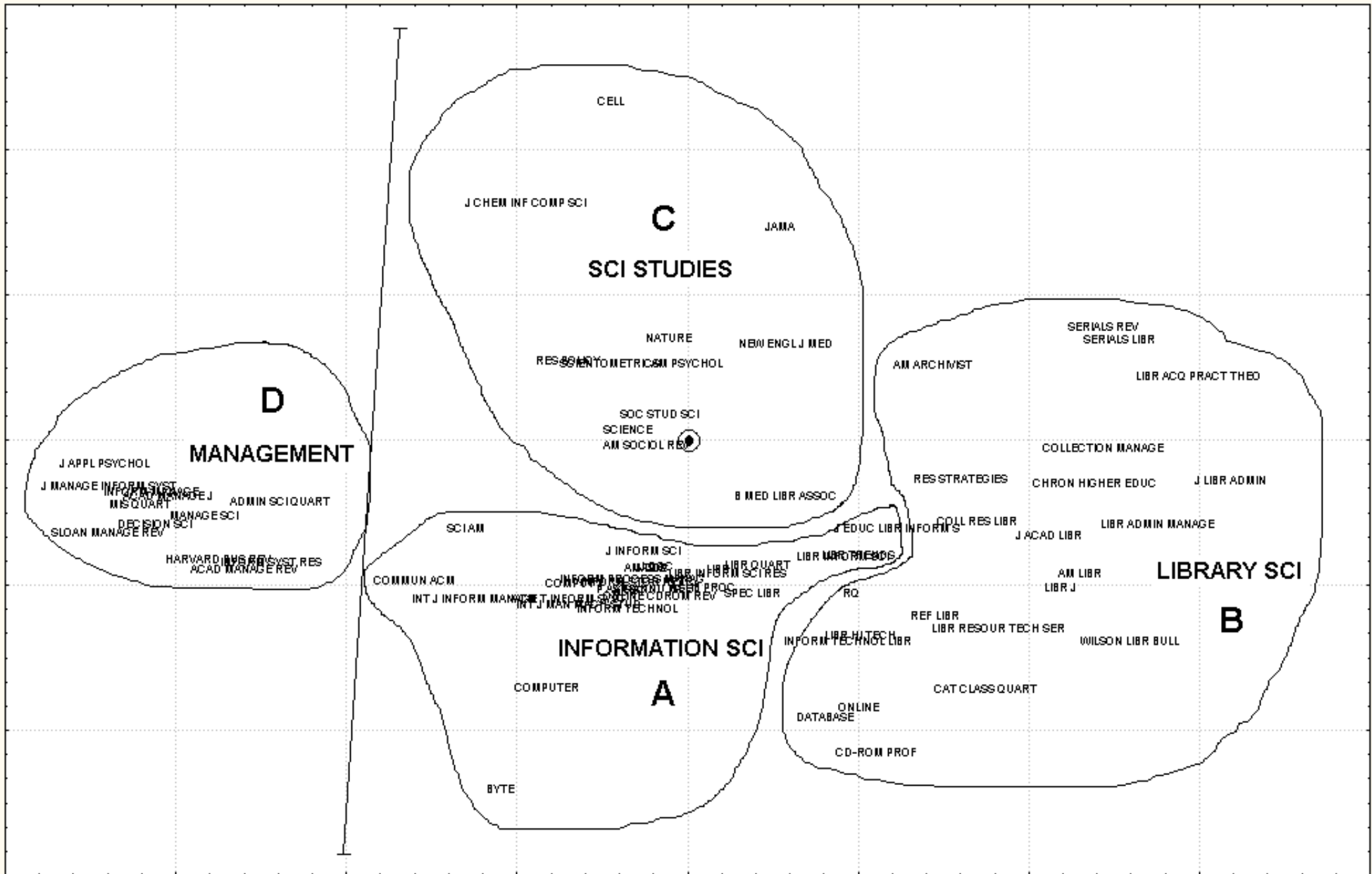
ejemplo...

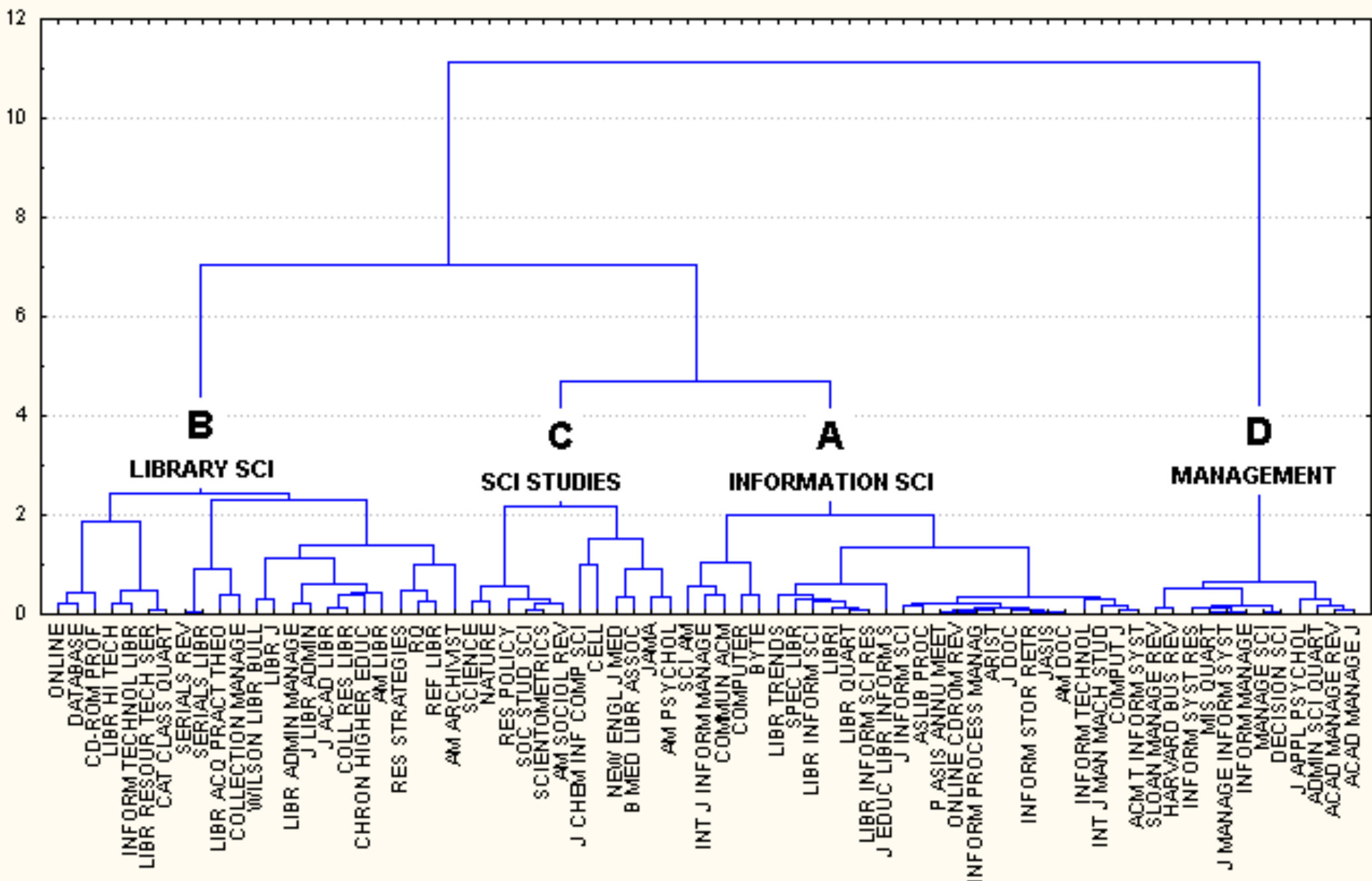
Library & Information Science
Mundo





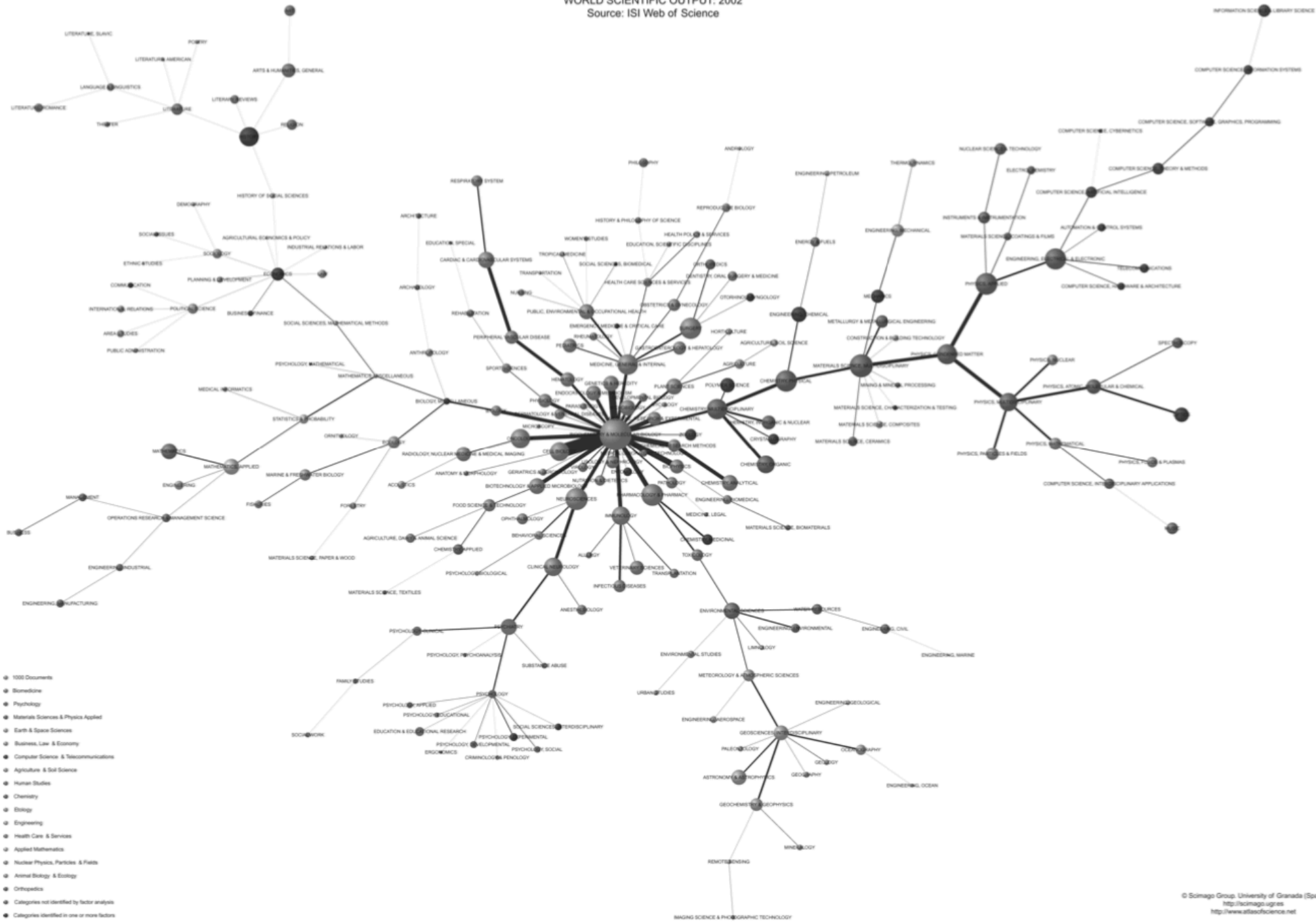




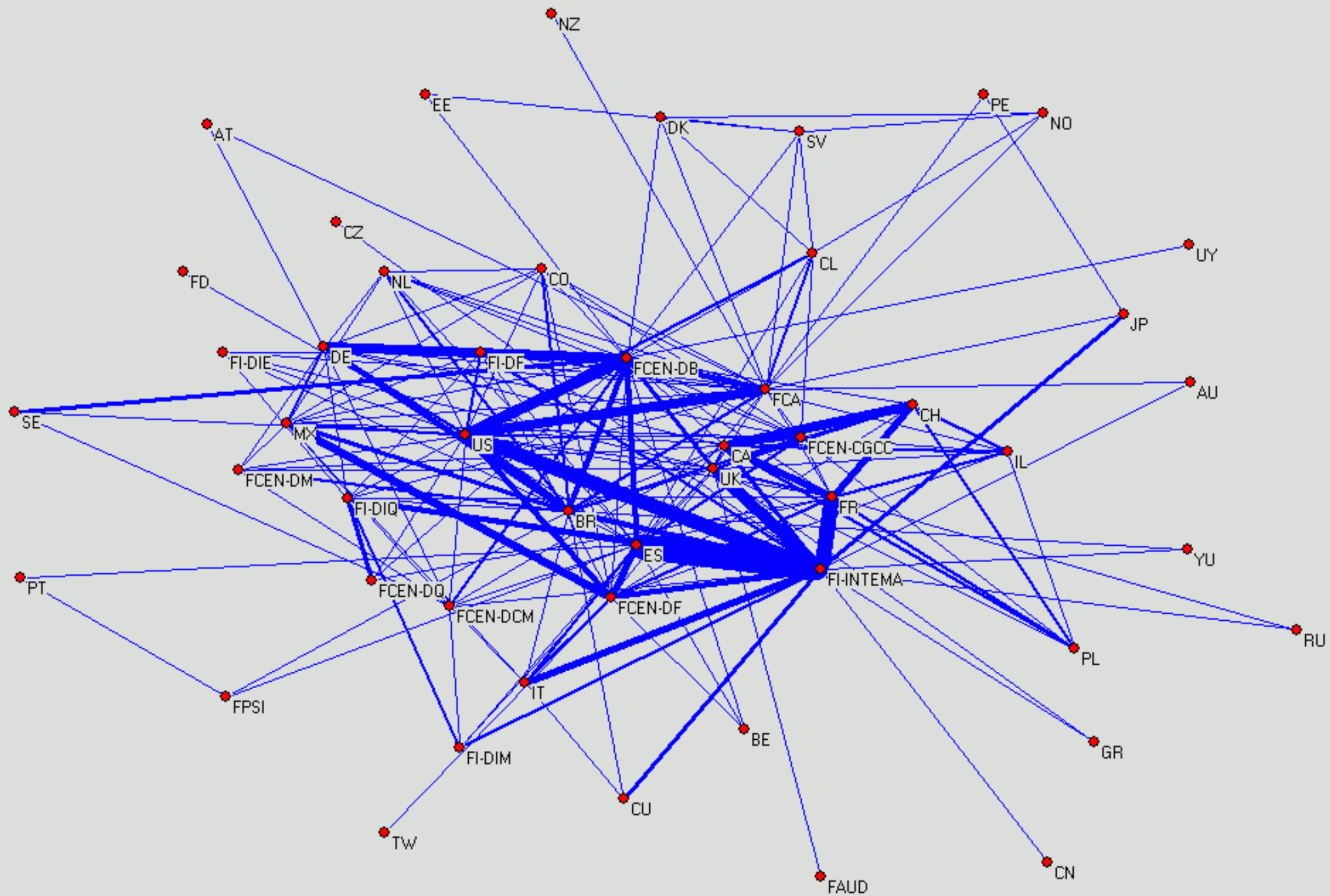


CAT CLASS QUART	LIBR RESOUR TECH SER	REF LIBR	RES STRA	AM LIBR	J ACAD LIBR	COLL RES LIBR	J LIBR ADMIN	COLLECTION MANAGE		
INFORM TECHNOL LIBR	LIBR HI TECH	J EDUC LIBR INFORM SCI	AM ARCHVST	B	LIBR J	LIBR ADMIN MANAGE	LIBR ACQ PRACT THEO			
LIBR INFORM SCI	RQ	ONLINE	DATABASE	WILSON LIBR BULL	CHRON HIGHER EDUC	AM PSYCHOL	SERIALS LIBR	SERIALS REV		
SPEC LIBR	LIBR TRENDS	CD-ROM PROF	J CHEM INF COMP SCI	CELL	JAMA	ACAD MANAGE REV	INFORM SYST RES			
LIBR QUART	COMPU TER	A	BYTE	NEW ENGL J MED	C	NATURE	RES POLICY SCIENTOMETRICS	MANAGE SCI	DECISION SCI	
LIBR INFORM SCI RES	INFORMATION SCI			SCIENCE SOC STUD SCI	ACAD MANAGE J	MIS QUART	INFORM MANAGE			
LIBRI	ARIST	INFORM TECHNOL	B MED LIBR ASSOC	SCI AM	AM SOCIOL REV	J APPL PSYCHOL	D	J MANAGE INFORM SYST	SLOAN MANAGE REV	
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J INFORM SCI	AM DOC JASIS J DOC	INT J MAN MACH STUD	INT J INFORM MANAGE	COMM ACM	ADMIN SCI QUART	MANAGEMENT	HARVARD BUS REV			

WORLD SCIENTIFIC OUTPUT: 2002
Source: ISI Web of Science



- 1000 Documents
- Stomach
- Psychology
- Materials Science & Physics Applied
- Earth & Space Science
- Business, Law & Economy
- Computer Science & Telecommunications
- Agriculture & Soil Science
- Human Studies
- Chemistry
- Biology
- Engineering
- Health Care & Services
- Applied Mathematics
- Nuclear Physics, Particles & Fields
- Animal Biology & Ecology
- Orthopedics
- Categories not identified by factor analysis
- Categories identified in one or more factors



análisis estructural y de redes (redes sociales)

Pajek (U. Ljubljana)

UCINET (Analytictech)

Gephi (UT Compiègne)

CiteSpace (U. Drexel)

VOSviewer (U. Leiden)

