World Flash on Basic Research

SCIENTOMETRIC DATAFILES SUPPLEMENTARY INDICATORS ON 96 COUNTRIES 1981-1985

1. DISTRIBUTION OF PUBLICATION TYPES IN AN EXTENDED SOURCE SET

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In a recent special issue of *Scientometrics*, ¹ a comprehensive set of indicators were published for 2649 journals and 96 countries. Based on the Science Citation Index (SCI) database of the Institute for Scientific Information (ISI, Philadelphia, PA, USA), these indicators has been built on the basis of a carefully selected source publication set. The criteria of selection were explained in details in the methodological introduction to the "Datafiles". In short, publications of the types articles, letters, notes, and reviews were considered in 2649 journals, which were covered by SCI in all the five years under study ("fix journal set"). Publications were assigned to countries on a first author basis. By these criteria we intended to minimize the potential effects of various undesirable biasses and thereby to enhance objective cross-national comparisons.

¹SCHUBERT, A., GLÄNZEL, W., BRAUN, T., Scientometric Datafiles. A Comprehensive Set of Indicators on 2649 Journals and 96 Countries in All Major Science Fields and Subfields. 1981-1985. Scientometrics, 16(1-6) (1989) 3-478

What is, however, looks as an "undesirable bias" from the one side, that may be considered a specific characteristic feature from the other. It seems, therefore, instructive to supplement the original "Datafiles" by certain background informations on the "fine structure" of the indicators published there.

In the following pages, the distribution of publications by types is presented in the form of bar charts. (Partial information on this topic was published in a recent "Flash".²) Data of the same 96 countries are indicated as were included in the original "Datafiles". The 100 % mark in the charts corresponds to the number of publications in the selected source publication set (i.e., the publication count reported in Ref. 1). This section of the bar is subdivided into four parts representing articles, letters, notes, and reviews, respectively. The further stretch of the bar represents all publications covered by SCI and not included in the "Datafiles". This part is divided into three subsections:

Other types – first authored publications of the given country published in the fix journal set as items of publication types other than articles, letters, notes, or reviews. (The main bulk of this category are meeting abstracts; there are editorials, obituaries, book and software reviews among others in addition.)

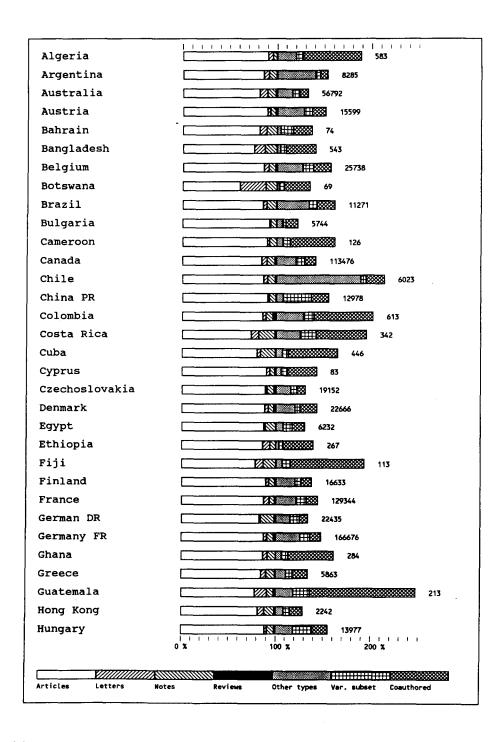
Var. subset – first authored publications of the given country published in journals not covered in all five years of the 1981-1985 period. (All publication types.)

Coauthored – items where authors of the given country were coauthors but not first authors. (All journals, all publication types.)

The number at the end of the bar is the total number of publications in all of the above enumerated categories.

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²BRAUN,T., GLÄNZEL,W., SCHUBERT,A., Some Data on the Distribution of Journal Publication Types in the Science Citation Index Database, *Scientometrics*, 15(5-6) (1989) 325-330



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Iceland	411
India	58769
Indonesia	488
Iran	720
Iraq	1023
Ireland	5680
Israel	29071
Italy	₩₩ 64443
Ivory Coast	375
Jamaica	445
Japan	169414
Jordan	379
Kenya	1643
Kuwait	₩ ₩ 859
Lebanon	□ ■ 545
Libya	292
Malawi	134
Malaysia	1081
Mexico	5164
Monaco	84
Morocco	493
Nepal	97
Netherlands	46977
New Zealand	12370
Nigeria	4459
Norway	14248
Pakistan	838
Panama	166
Papua New Guinea	389
Peru	
Philippines	741
Poland	21929
Articles Letters	Notes Reviews Other types Var. subset Coauthored

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Zaire Zambia	159
Yugoslavia	6301
W Indian Assoc	103
Vietnam	253
Venezuela	2224
USSR	157344
USA	1051212
Uruguay	H 307
UK	
United Arab Emir	98
Uganda	126
Turkey	1942
Tunisia	\$\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
Trinidad&Tobago	301
Thailand	1359
Tanzania	428
Taiwan	3337
Switzerland	40130
Sweden	44565
Sudan	632
Sri Lanka	474
Spain	20062
South Korea	2132
South African R	14428
Singapore	1288
Sierra Leone	₩ #***** 64
Senegambia	462
Saudi Arabia	2107
Romania	₩ 3424

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