

Bibliometric Routine

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Objetivo

Estabelecer um script pronto para análise de bibliometria e cientometria para consultas realizadas no ISI - Web Of Knowledge <http://www.webofknowledge.com/>

Este script é baseado no pacote “Bibliometrix” <http://www.bibliometrix.org/> para R. Na aba Documents é possível baixar um tutorial para preparar os dados para rodar no pacote.

Sendo assim, o script abaixo considera que o usuário já baixou a consulta em .txt ou .bib. A título de demonstração consultamos no ISI o termo “autonomous vehicles” e selecionamos apenas áreas que se refere aos “veículos autônomo” que estão sendo desenvolvidos para o ambiente urbano.

O documento consta apenas os resultados sendo que o script em formato .RMD ou .R pode ser obtido neste link: <https://github.com/fabiorcampos/Bibliometric-Routines>

Resumo

Main Information

[1] "Articles	291"
[1] "Sources (Journals, Books, etc.)	141"
[1] "Keywords Plus (ID)	474"
[1] "Author's Keywords (DE)	365"
[1] "Period	1985 - 2015"
[1] "Average citations per article	11.73"
[1] "Authors	537"
[1] "Author Appearances	647"
[1] "Authors of single authored articles	105"
[1] "Authors of multi authored articles	432"
[1] "Articles per Author	0.542"
[1] "Authors per Article	1.85"
[1] "Co-Authors per Articles	2.22"

Annual Scientific Production

Plot? Annual Percentage Growth Rate TEXT

Most Productive Authors

Authors	Articles	Authors	Articles Fractionalized
BORNMAN,L	8	BORNMAN,L	4.67
KOSTOFF,R	8	MARX,W	3.17
MARX,W	6	ATKINSON,R	3.00

Authors	Articles	Authors	Articles Fractionalized
GLANZEL,W	5	BROADUS,R	3.00
HUMENIK,J	5	CRONIN,B	3.00
ABRAMO,G	4	BORGMAN,C	2.50
D'ANGELO,CA	4	MCCAIN,K	2.50
ATKINSON,R	3	PERITZ,B	2.50
BARKER,K	3	KOSTOFF,R	2.10
BORGMAN,C	3	ADAMS,J	2.00

Top Manuscripts

Paper	TC	TCperYear
DAIM TU;RUEDA G;MARTIN H;GERDSRI P,(2006),TECHNOL. FORECAST. SOC. CHANG.	211	19.18
WHITE H;MCCAIN K,(1989),ANNU. REV. INFORM. SCI. TECHNOL.	196	7.00
BORGMAN C;FURNER J,(2002),ANNU. REV. INFORM. SCI. TECHNOL.	192	12.80
WEINGART P,(2005),SCIENTOMETRICS	151	12.58
NARIN F,(1994),SCIENTOMETRICS	141	6.13
CRONIN B,(2001),J. INF. SCI.	129	8.06
CHEN Y;YEH H;WU J;HASCHLER I;CHEN T;WETTER T,(2011),SCIENTOMETRICS	101	16.83
HOOD W;WILSON C,(2001),SCIENTOMETRICS	71	4.44
D'ANGELO CA;GIUFFRIDA C;ABRAMO G,(2011),J. AM. SOC. INF. SCI. TECHNOL.	64	10.67
NARIN F;OLIVASTRO D;STEVENS K,(1994),EVAL. REV.	62	2.70

Most Productive COuntries

Plot

Total Citations per Country

Country	Total Citations	Average Article Citations
USA	1831	22.60
GERMANY	330	19.41
ITALY	163	32.60
AUSTRALIA	134	16.75
ENGLAND	121	4.65
CANADA	111	13.88
INDIA	85	8.50
SPAIN	85	9.44
IRAN	74	37.00
BELGIUM	70	10.00

Most Relevant Sources

Sources	Articles
SCIENTOMETRICS	49
JOURNAL OF THE AMERICAN SOCIETY FOR INFORMATION SCIENCE AND TECHNOLOGY	14
JOURNAL OF THE AMERICAN SOCIETY FOR INFORMATION SCIENCE	8
JOURNAL OF DOCUMENTATION	6
JOURNAL OF INFORMATION SCIENCE	6
JOURNAL OF INFORMETRICS	6

Sources	Articles
BRITISH JOURNAL OF ANAESTHESIA	5
LIBRI	5
SOCIAL WORK IN HEALTH CARE	5
TECHNOLOGICAL FORECASTING AND SOCIAL CHANGE	5

Most Related Keywords

Author Keywords (DE)	Articles	Keywords-Plus (ID)	Articles
BIBLIOMETRICS	63	SCIENCE	38
CITATION ANALYSIS	11	INDICATORS	24
SCIENTOMETRICS	7	IMPACT	23
IMPACT FACTOR	5	CITATION	20
INFORMATION RETRIEVAL	5	CITATION ANALYSIS	15
PEER REVIEW	5	JOURNALS	14
CITATION	4	H-INDEX	13
CITATIONS	4	PUBLICATION	12
H-INDEX	4	INFORMATION-SCIENCE	10
IMPACT FACTORS	4	IMPACT FACTORS	8