



***Science, Technology, and Innovation
Indicators (STI)
6 – 8 September 2017, Paris***

***Journal Scholar Metrics: building an Arts,
Humanities and Social Sciences journal
ranking with Google Scholar data***

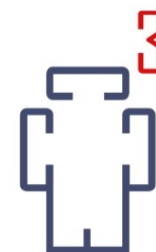
Alberto Martín-Martín / Enrique Orduna-Malea / Emilio Delgado López-Cózar

Facultad de Comunicación y Documentación. Universidad de Granada (Spain)



ugr

**Universidad
de Granada**



Grupo de Investigación EC3
Evaluación de la Ciencia y de la
Comunicación Científica

The team



EMILIO DELGADO LÓPEZ-CÓZAR is a Professor of research methodology at the University of Granada, and cofounder of the EC3 Research Group (Science and Scientific Communication Evaluation). He has developed a number of tools for scientific evaluation, including IN-RECS, IN-RECJ, IN-RECH (impact factor of Spanish journals in the Social Sciences, Legal Sciences, and Humanities), the I-UGR Ranking of Spanish universities, RESH (Spanish Journals in the Social Sciences, an... [See More](#)



ALBERTO MARTÍN-MARTÍN is an FPU (University Professor Training) Research Fellow and PhD Candidate in the field of bibliometrics and scientific communication at the University of Granada. His earlier degrees in Library and Information Science are from the same university, where he graduated with honours. He is currently a member of the EC3 Research Group, where he has collaborated in various research projects, technical reports and journal articles since 2013.



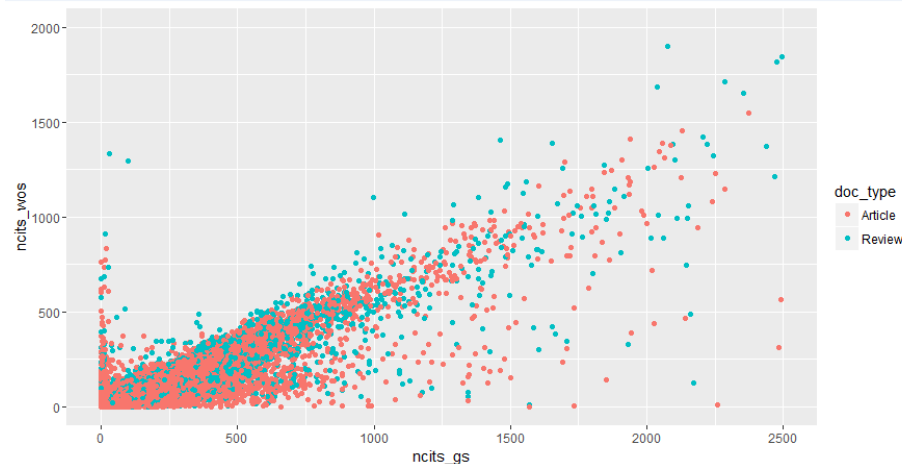
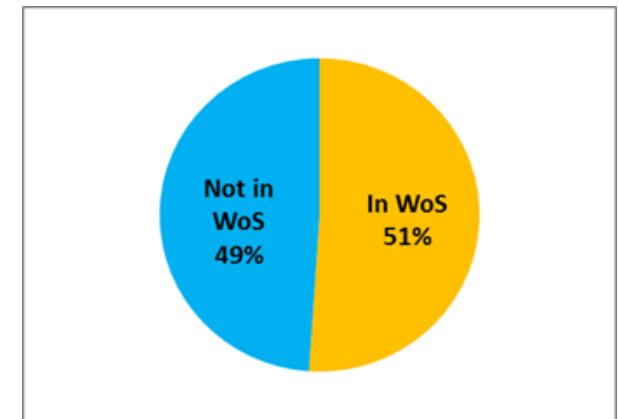
ENRIQUE ORDUÑA-MALEA holds a PhD in Documentation from the Polytechnic University of Valencia, where he currently works as a Postdoctoral Researcher and Lecturer, particularly in the EC3 Research Group. He specialises in web metrics, particularly in the creation, diffusion and consumption of content and products on the web.

Why Google Scholar?

- **Best overall coverage:** no country, language, or document type restrictions, which is necessary for good coverage of A&H and SS
- **Most densely populated citation graph** in existence
- **If we only consider documents covered by WoS, Google Scholar data for those documents tell the same story**
- **Faster indexing (as soon as document is on the Web) → Citations available sooner than in traditional databases**
- **Free (as in free beer)**

Why Google Scholar?

- **Sample of 64,000 highly cited documents in Google Scholar:** half are covered by WoS, half aren't (among which we can find many books)
- **PRELIMINARY RESULTS:** Analysis of **most articles and reviews published in 2009 covered by Web of Science** (~1 million documents):



Citation Index	N	spearman.cor	p.value	prop.cited.gs	prop.cited.wos	ratio of gs_cit to wos_cit (avg)
Sciences	863801	0,94	0,00	0,97	0,95	1,68
Social Sciences	109232	0,90	0,00	0,97	0,94	2,58
Art & Humanities	13487	0,83	0,00	0,84	0,69	2,52

Why Google Scholar?

- **“Classic Papers”**: Highly cited documents published in 2006 according to Google Scholar
- 252 unique subcategories, 8 broad categories covering all areas of knowledge
- 10 most cited documents in each subcategory. At least 20 citations per paper. Total number of articles: 2515 (one category had only 5 documents)

Category	Number of documents	Not found in WoS (%)	Not found in Scopus (%)
Humanities, Literature & Arts	245	28	20
Social Sciences	510	18	9
Engineering & Computer Science	570	12	2
Business, Economics & Management	150	7	3
Health & Medical Sciences	680	3	0
Physics & Mathematics	230	2	2
Life Sciences & Earth Sciences	380	1	1
Chemical & Material Sciences	170	0	0

Google Scholar Metrics

- *“Google Scholar Metrics provide an easy way for authors to quickly gauge the visibility and influence of recent articles in scholarly publications.”*
- Language rankings: Chinese, Portuguese, Spanish, German, Russian, French, Japanese, Korean, Polish, Ukrainian, Indonesian. **Only top 100 journals** according to h5-index are displayed in each language ranking.
- Journals published in English: 252 unique subcategories, included in 8 broad categories. **Only top 20 journals** in each subcategory according to h5-index are displayed.
- More journals can be found by searching keywords.
- **Only journals which have published at least 100 articles in the last five years are covered.**

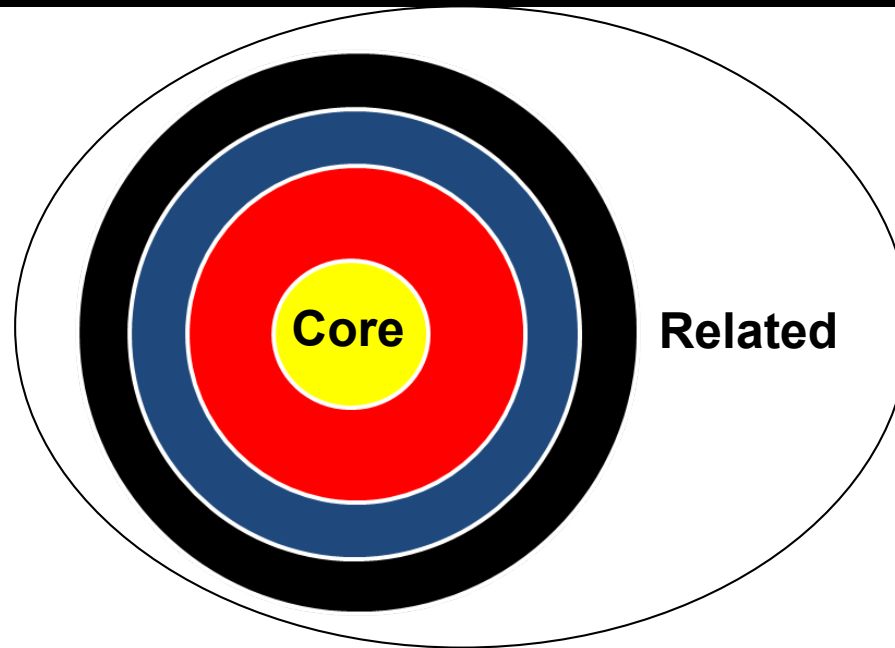
Journal Scholar Metrics: Goal

- Exploring the coverage of Google Scholar Metrics (GSM) by bringing to the surface all the SSH journals that it covers but don't appear in the subject or language rankings.
- Comparing the coverage of GSM to the coverage of other citation databases (Web of Science, Scopus)

Journal Scholar Metrics: Methods

- A master list of journals was created by merging the list of academic journals available in the Ulrichs' Directory, WoS Master Lists (SSCI and A&HCI), SJR (areas related to SSH), and a number of specialized databases.
- The journals in this master list were searched by title in the Google Scholar Metrics search box. Additionally, a set of meaningful keywords were extracted from the journal names, and were also searched to find more journals.
- The journals that were found (9,196) were classified in one or more of 21 SSH categories, based on the subject categories where they are classified in other databases.
- Journals are considered core or related to a category, depending on their affinity to it.

Classification



EconLit



Scopus®



WEB OF SCIENCE™



JOURNAL SCHOLAR METRICS

ARTS, HUMANITIES, AND SOCIAL SCIENCES



[HOME](#)

[ABOUT](#)

[METHODOLOGY](#)

[OUR TEAM](#)

[OTHER PROJECTS](#)

[FAQ](#)

SUBJECT CATEGORY RANKINGS

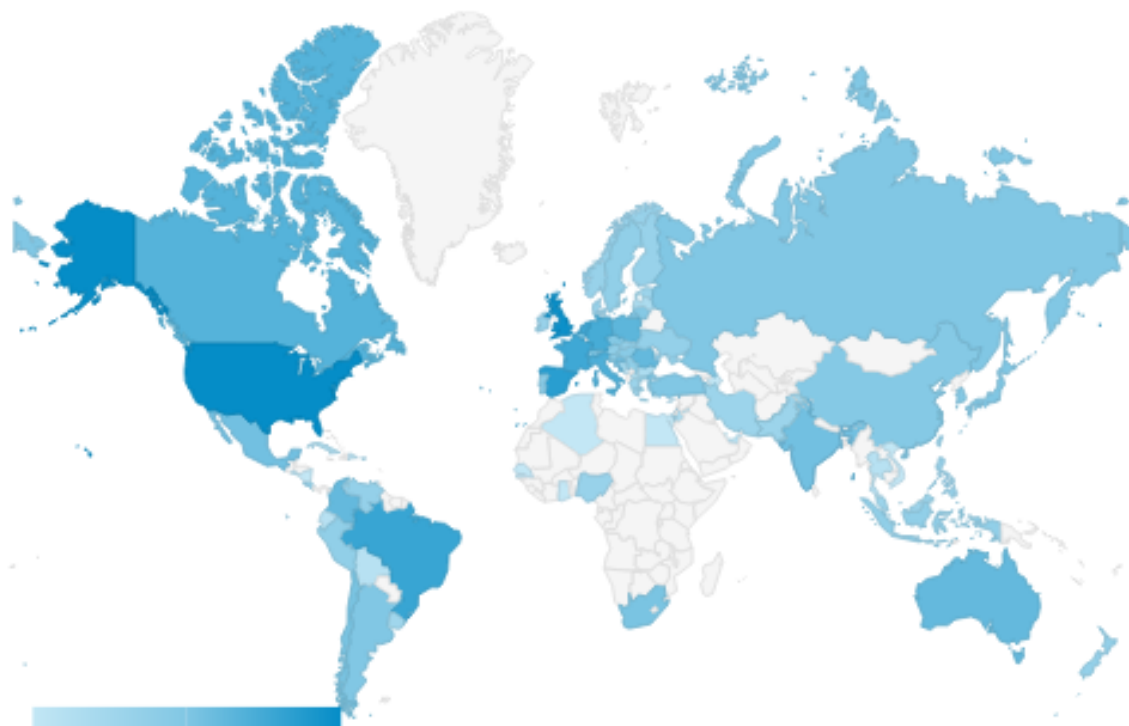
SOCIAL SCIENCES

ANTHROPOLOGY	(298)
COMMUNICATION	(320)
BUSINESS, ECONOMICS & MANAGEMENT	(1761)
EDUCATION	(1126)
GEOGRAPHY & URBAN STUDIES	(548)
LAW	(920)
LIBRARY & INFORMATION SCIENCE	(277)
POLITICAL SCIENCE, ADMINISTRATION & INTERNATIONAL RELATIONS	(1074)
PSYCHOLOGY	(1032)
SOCIOLOGY	(1007)
MULTIDISCIPLINARY	(202)
SOCIAL WORK	(132)
SPORT SCIENCES	(213)

ARTS & HUMANITIES

COUNTRY RANKINGS

WORLD -> [AFRICA](#) [EUROPE](#) [AMERICAS](#) [ASIA](#) [OCEANIA](#)





JOURNAL SCHOLAR METRICS

ARTS, HUMANITIES, AND SOCIAL SCIENCES


[HOME](#)
[ABOUT](#)
[METHODOLOGY](#)
[OUR TEAM](#)
[OTHER PROJECTS](#)
[FAQ](#)

LIBRARY & INFORMATION SCIENCE

Displaying core journals 1-20 of 223. Sorted by H5-Index, decreasingly.

☐ Check to display related journals as well

Filter by country ▼

Find a journal in this ranking

Rank	Country	Journal name	Totals				Without journal self-citations		
			Quartile	H5-Index	H5-Median	H Citations	H5-Index	H Citations	%
1		Journal of the American Society for Information Science and Technology	Q1	<u>54</u>	82	5708	52	5427	
2		International Journal of Information Management	Q1	<u>48</u>	75	5181	46	4999	
3		Scientometrics	Q1	<u>46</u>	58	3790	40	3292	
4		Government Information Quarterly	Q1	<u>42</u>	70	3892	39	3543	
5		Journal of Informetrics	Q1	<u>39</u>	57	3097	36	2726	
6		European Journal of Information Systems	Q1	<u>35</u>	49	2147	35	2144	
7		Information Processing & Management	Q1	<u>29</u>	38	1225	29	1209	
8		Journal of Information Science	Q1	<u>26</u>	39	1607	26	1567	
9		The Journal of Academic Librarianship	Q1	<u>26</u>	37	1150	25	1113	
10		Journal of Documentation	Q1	<u>26</u>	36	1057	24	1003	
11		Library & Information Science Research	Q1	<u>26</u>	34	1143	25	1100	
12		Journal of Information Technology	Q1	<u>25</u>	47	1688	24	1641	
12		Online Information Review	Q1	<u>25</u>	47	1212	25	1150	
14		College & Research Libraries	Q1	<u>25</u>	38	1157	24	1127	
15		The Information Society	Q1	<u>24</u>	35	1165	23	1132	
16		The Electronic Library	Q1	<u>21</u>	30	747	19	692	
17		Proceedings of the American Society for Information Science and Technology	Q1	<u>21</u>	29	1012	19	960	
18		El Profesional de la Información	Q1	<u>21</u>	28	672	19	611	
18		Journal of Library Administration	Q1	<u>21</u>	28	635	20	618	
20		Library Management	Q1	<u>20</u>	28	586	20	575	

[First](#) | [Previous](#) | [Next](#) | [Last](#)





JOURNAL SCHOLAR METRICS

ARTS, HUMANITIES, AND SOCIAL SCIENCES


[HOME](#)
[ABOUT](#)
[METHODOLOGY](#)
[OUR TEAM](#)
[OTHER PROJECTS](#)
[FAQ](#)

SPAIN 

Displaying journals 1-20 of 866. Sorted by H5-Index, decreasingly.

Filter by subject ▼

Find a journal in this list

Journal name	Totals			Without journal self-citations		
	H5-Index	H5-Median	H Citations	H5-Index	H Citations	%
Psicothema	34	46	1674	32	1578	↻
Revista de Educación (españa)	23	30	955	23	947	↻
Comunicar	22	41	1022	21	971	↻
International Journal of Clinical and Health Psychology	22	33	840	21	711	↻
El Profesional de la Información	21	28	672	19	611	↻
Anales de Psicología	21	26	619	18	537	↻
Revista Interuniversitaria de Formación del Profesorado	17	29	603	17	592	↻
Rusc. Universities and Knowledge Society Journal	17	25	518	15	483	↻
International Journal of Psychology and Psychological Therapy	17	22	700	15	661	↻
Revista de Psicología del Deporte	17	21	395	15	335	↻
Papeles del Psicólogo	16	31	687	13	625	↻
Nómadas. Revista Crítica de Ciencias Sociales y Jurídicas	16	27	559	16	547	↻
Intervención Psicosocial	16	27	463	16	431	↻
Revista de Psicodidáctica/journal of Psychodidactics	16	23	454	15	441	↻
Electronic Journal of Research in Educational Psychology	16	21	390	14	353	↻
Revista Española de Documentación Científica	15	21	329	13	289	↻
Adicciones	15	20	385	14	357	↻
Journal of Industrial Engineering and Management	14	25	498	14	485	↻
Enseñanza de las Ciencias: Revista de Investigación y Experiencias Didácticas	14	20	330	13	321	↻
Revista Eureka sobre Enseñanza y Divulgación de las Ciencias	14	19	305	13	253	↻

[First](#) | [Previous](#) | [Next](#) | [Last](#)





JOURNAL SCHOLAR METRICS

ARTS, HUMANITIES, AND SOCIAL SCIENCES


[HOME](#)
[ABOUT](#)
[METHODOLOGY](#)
[OUR TEAM](#)
[OTHER PROJECTS](#)
[FAQ](#)

El Profesional de la Información



IMPACT INDICATORS

Period	Totals			Without journal self citations		
	H5-Index	H5-Median	H Citations	H5-Index	H Citations	%
2010-2014	21	28	672	19	611	

SUBJECT CATEGORIES AND RANKINGS

Subject Category	Ranking	Position	Quartile
Communication	Only core journals	34th (of 287)	Q1
	All journals	40th (of 311)	Q1
Library & Information Science	Only core journals	18th (of 210)	Q1
	All journals	35th (of 264)	Q1

INDEXED IN

Source	Category / Status
Google Scholar Metrics	Spanish
Library and Information Science Abstracts (LISA)	Core Coverage - Actively Indexed
SCImago Journal Rank	Communication
	Information Systems
	Library and Information Sciences
Ulrich's Periodicals Directory	Library and Information Sciences - Computer Applications
Web of Science Core Collection	Information Science & Library Science

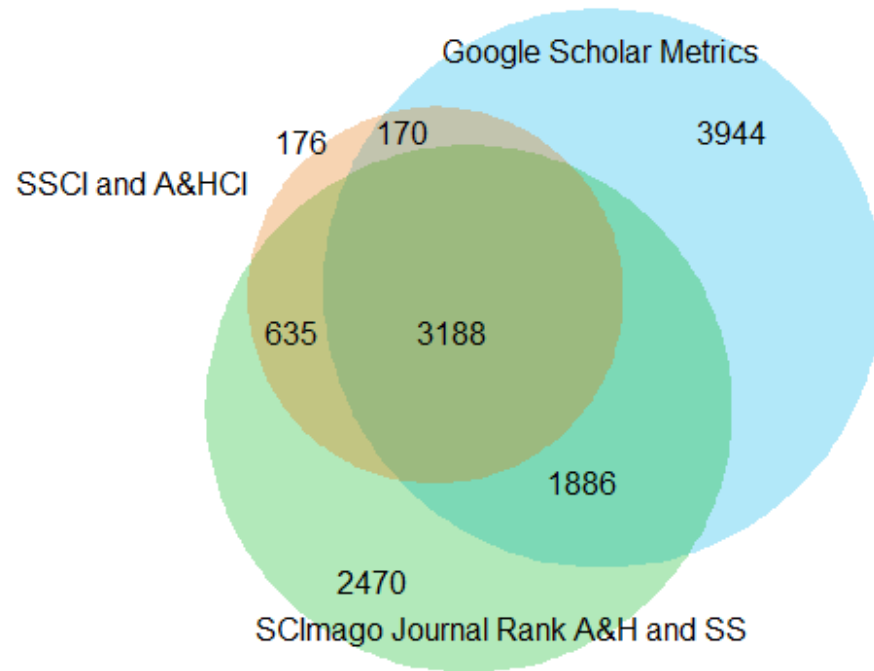
Indicators

Total				Without journal self-citations		
<u>Quartile</u>	<u>H5-Index</u>	<u>H5-Median</u>	<u>H Citations</u>	<u>H5-Index</u>	<u>H Citations</u>	<u>%</u>
Q1	56	80	6272	53	5833	

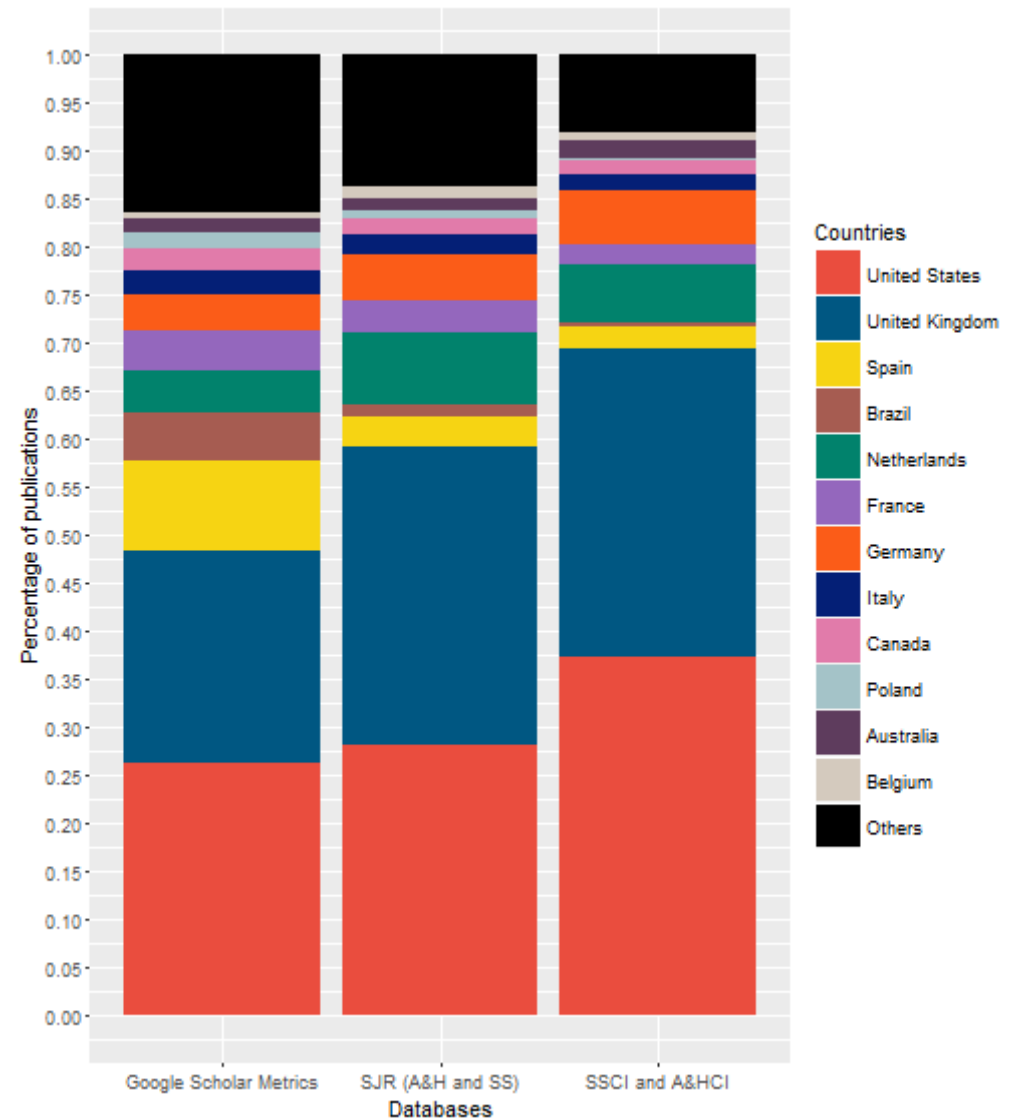
Extracted
directly from
Google Scholar
Metrics

Computed using the article and
citation data available in Google
Scholar Metrics

Coverage



IMPORTANT: *Google Scholar Metrics* only covers journals that are indexed in *Google Scholar*, have published **at least 100 articles in the last 5-year period**, and have received **at least 1 citation**



French journals: *JSM*: 382 / 9196 (4%); *SJR*: 269 / 8180 (3.3%); *WoS*: 84 / 4166 (2%)
Spanish journals: *JSM*: 861 / 9196 (9%); *SJR*: 261 / 8180 (3.1%); *WoS*: 88 / 4166 (2%)

Future plans for JSM

- Update indicators annually: a more current version of Google Scholar Metrics (GSM) is already available
- Update journal detail page to show evolution of impact through time
- Switch to data from Google Scholar (search engine) to get data for journals not in GSM: even better coverage
- Replace current journal classification scheme with article-level classification (maybe using reference and/or citing articles)
- Computing author self-citations (better metadata is needed), distribution of citations by journal (to detect closely related journals, or potential citation cartels)...

Thank you for your attention 😊

Questions?

Contact:
albertomartin@ugr.es