CSIndexbr: A Short Overview

csindexbr.org

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Premises

- Transparency
- Openness
- Internacional relevance
- Organization by research area

Comparing with CSRankings

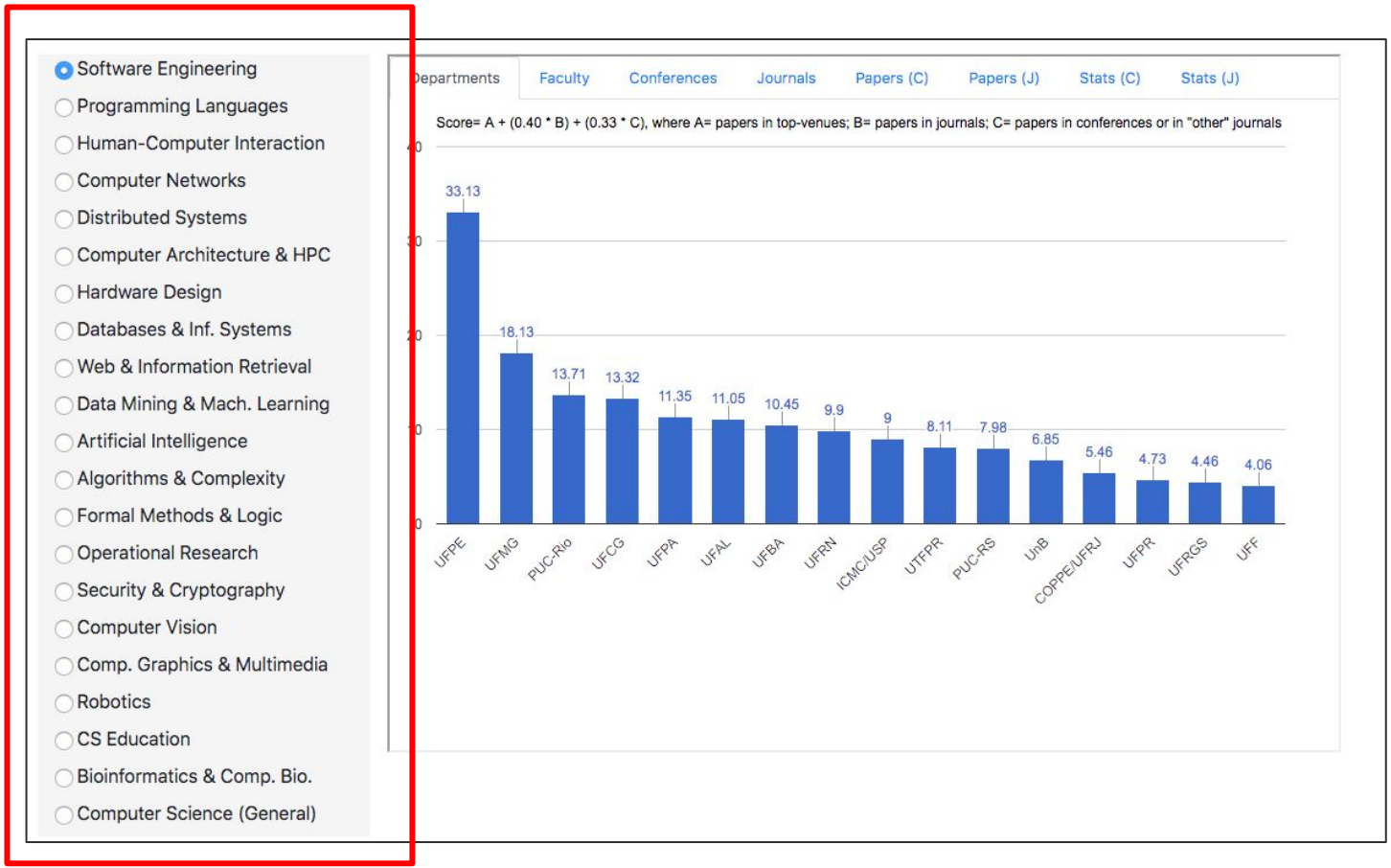
	1st tier	2nd tier
Journals	**CSIndexbr**	**CSIndexbr**
Conferências	**CSRankings** **CSIndexbr**	**CSIndexbr**

Manually & carefully curated data

(1) List with 1,200+ Brazilian CS researchers

https://github.com/aserg-ufmg/CSIndex/blob/master/data/all-researchers.csv

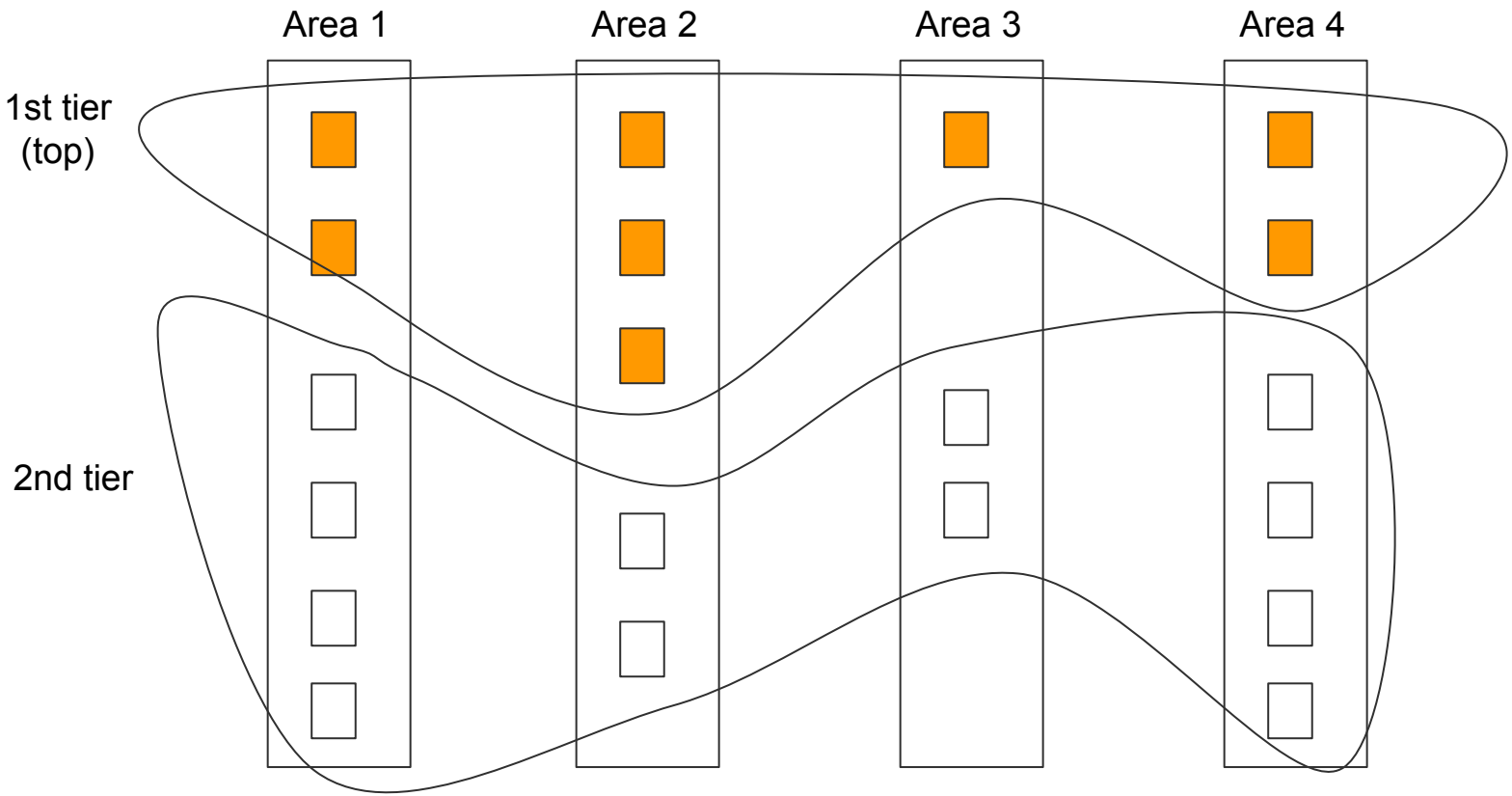
(2) List with 21 CS subareas



(3) List with 1st/2nd tier journal/conferences

187 confs and 190 journals

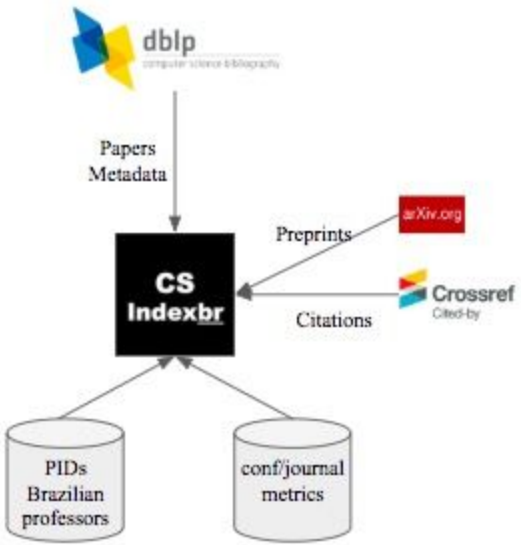
Equivalence classes across research areas



Metrics on each indexed journal/conf (borderline cases in yellow)

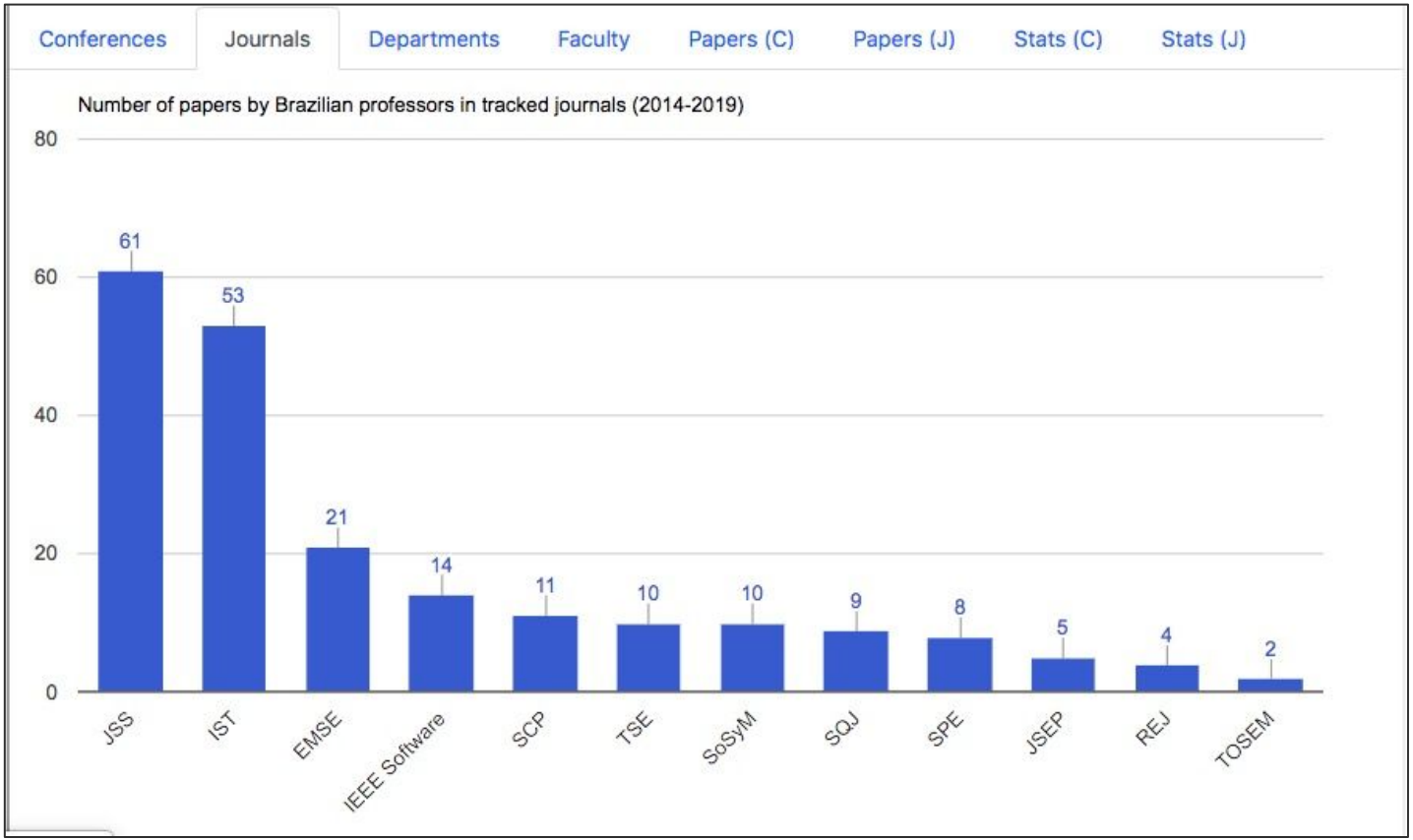
	Conference	Sponsor	Submitted	Accepted (2017)	Rate	h5-index	Norm h5	Rank	Pages
1	ICSE	ACM SIGSOFT/IEEE CS	415	68	16.4	68	1	top	12
2	FSE	ACM SIGSOFT	295	72	24.4	43	0.6	top	12
3	ASE	ACM SIGSOFT/IEEE CS	314	65	20.7	31	0.48	top	12
4	MSR	ACM SIGSOFT/IEEE CS	121	37	30.6	39	1.05		12
5	ISSTA	ACM SIGSOFT	118	31	26.3	31	1		12
6	ICSME	IEEE CS	150	42	28	29	0.69		12
7	ICST	IEEE CS	135	36	26.7	29	0.81		12
8	MODELS	ACM SIGSOFT/IEEE CS	68	17	25	26	1.53		11
9	SANER	IEEE CS	135	34	25.2	26	0.76		12
10	SPLC	-	49	15	30.6	25	1.67		10
11	RE	IEEE CS	96	27	28.1	23	0.85		10
12	FASE	ETAPS	91	25	27.5	23	0.92		17
13	ICPC	IEEE CS	83	28	33.7	21	0.75		12
14	ESEM	ACM SIGSOFT/IEEE CS	109	21	19.3	20	0.95		10
15	ICSA	IEEE	95	21	22.1	16	0.76		10

Implementation using public APIs

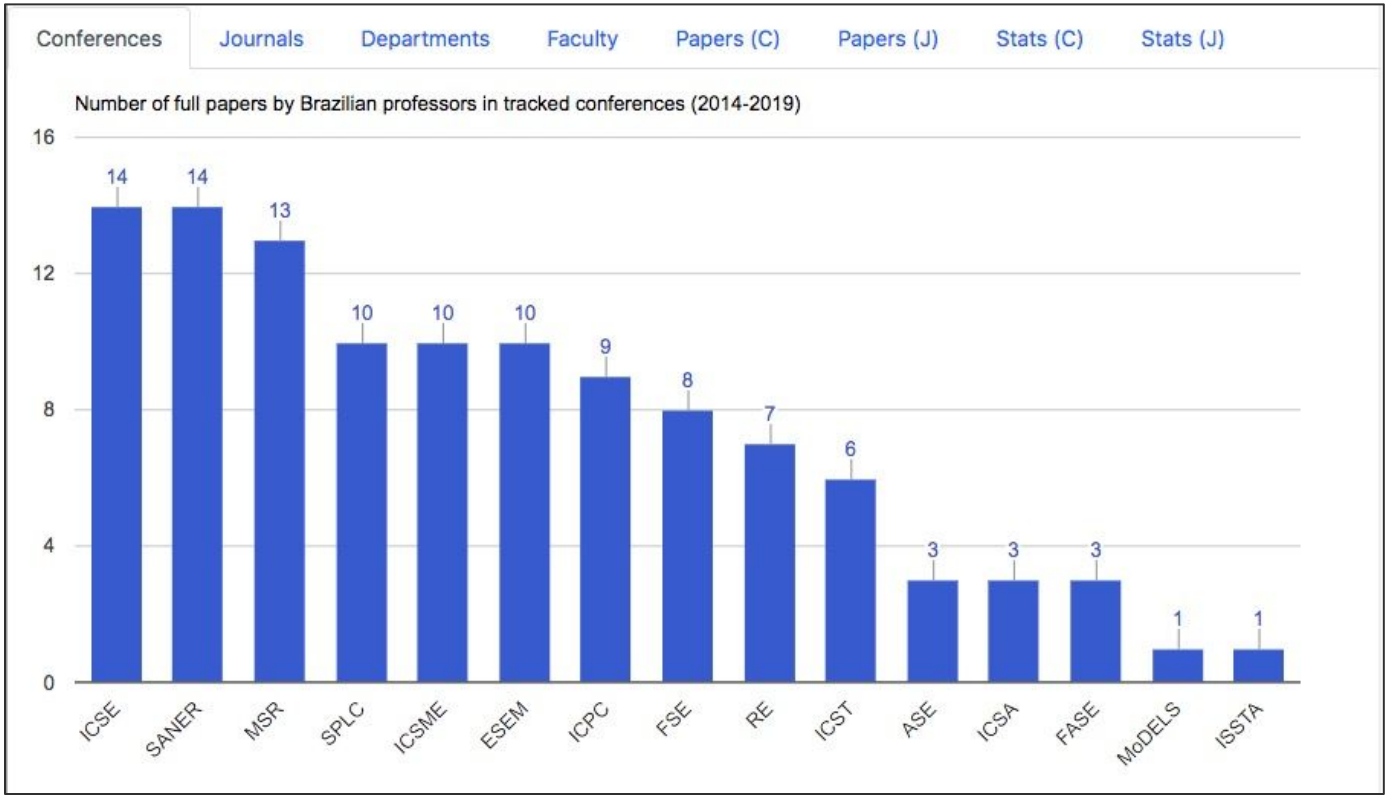


Screenshots

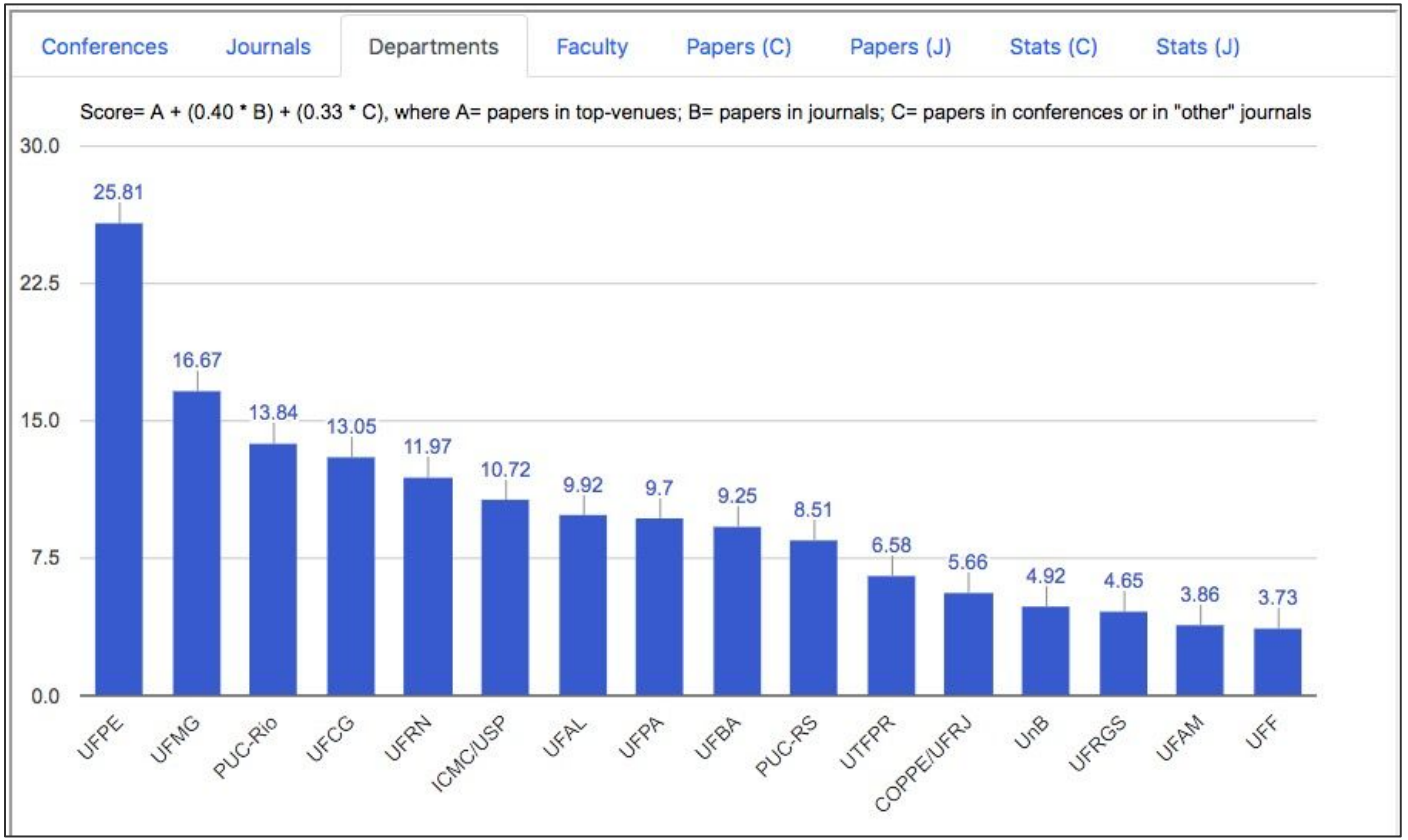
Papers / Journal **[in the last 5 yrs]**



Papers / Conference **[in the last 5 yrs]**



Dept rankings (by research area)

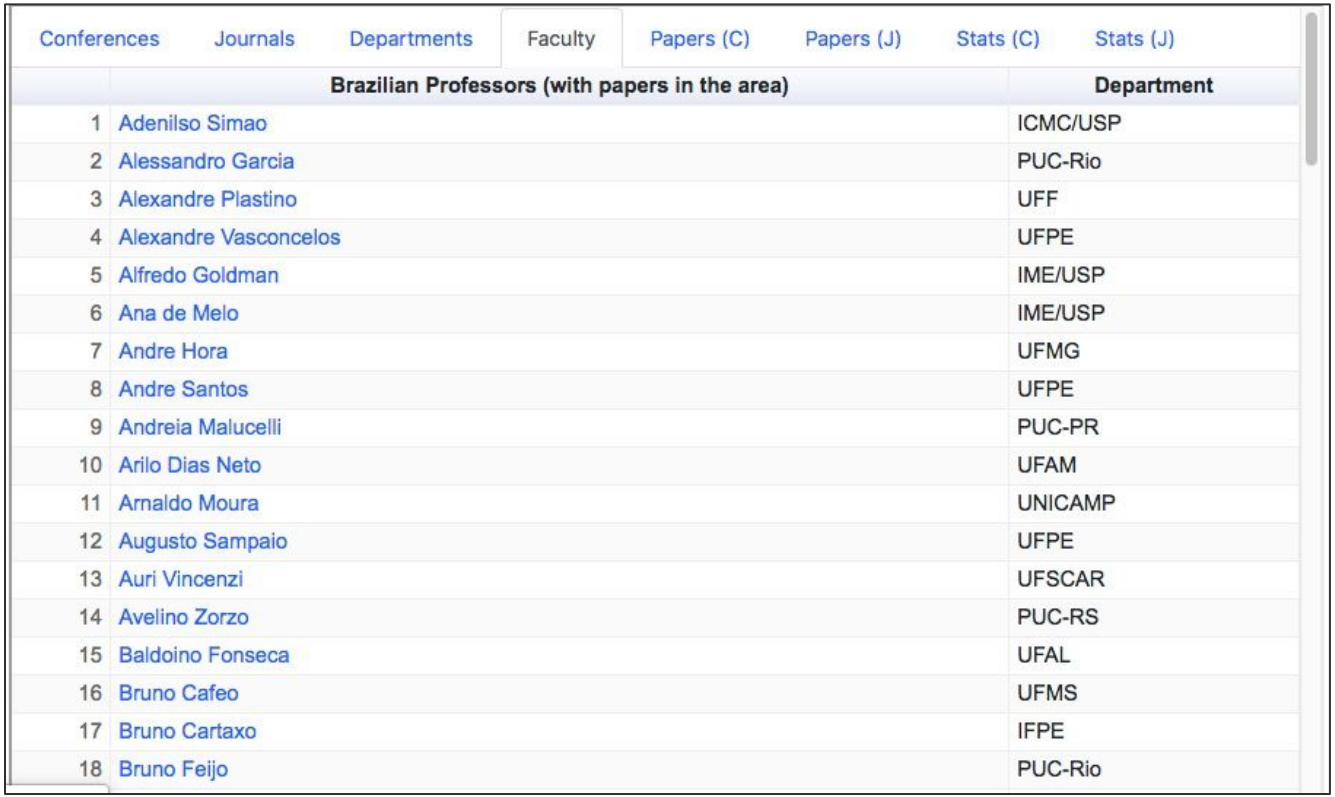


Detailed metadata on all papers

Conferences | Journals | Departments | Faculty | Papers (C) | Papers (J) | Stats (C) | Stats (J)

	Year	Venue	Title	Depts	Authors	Citations
1	2018	ESEM	Building a collaborative culture: a grounded theory of well succeeded devops adoption in practice. [doi] [arxiv]	UFPA; UnB	Welder Pinheiro Luz; Gustavo Pinto 0001; Rodrigo Bonifácio	1
2	2018	ESEM	Identifying unmaintained projects in github. [doi] [arxiv]	UFMG	Jailton Coelho; Marco Tulio Valente; Luciana Lourdes Silva; Emad Shihab	0
3	2018	ICPC	Analysis of test log information through interactive visualizations. [doi]	IME/RJ	Diego Castro; Marcelo Schots	0
4	2018	ICPC	How do design decisions affect the distribution of software metrics? [doi]	UFBA	Marcos Dósea; Cláudio Sant'Anna; Bruno Carreiro da Silva	0
5	2018	ICSE	★Almost there: a study on quasi-contributors in open source software projects. [doi]	UFPA; UTFPR	Igor Steinmacher; Gustavo Pinto 0001; Igor Scaliante Wiese; Marco Aurélio Gerosa	0
6	2018	ICSE	★Assessing the threat of untracked changes in software evolution. [doi]	UFMG	André C. Hora; Danilo Silva; Marco Tulio Valente; Romain Robbes	1
7	2018	ICSE	★Enlightened debugging. [doi]	UFPE	Xiangyu Li; Shaowei Zhu; Marcelo d'Amorim; Alessandro Orso	0

Faculty with papers (by research area)



Conferences | Journals | Departments | Faculty | Papers (C) | Papers (J) | Stats (C) | Stats (J)

	Brazilian Professors (with papers in the area)	Department
1	Adenilso Simao	ICMC/USP
2	Alessandro Garcia	PUC-Rio
3	Alexandre Plastino	UFF
4	Alexandre Vasconcelos	UFPE
5	Alfredo Goldman	IME/USP
6	Ana de Melo	IME/USP
7	Andre Hora	UFMG
8	Andre Santos	UFPE
9	Andreia Malucelli	PUC-PR
10	Arilo Dias Neto	UFAM
11	Arnaldo Moura	UNICAMP
12	Augusto Sampaio	UFPE
13	Auri Vincenzi	UFSCAR
14	Avelino Zorzo	PUC-RS
15	Baldoino Fonseca	UFAL
16	Bruno Cafeo	UFMS
17	Bruno Cartaxo	IFPE
18	Bruno Feijo	PUC-Rio

Author Pages

Marco Tulio Valente (UFMG)

32 papers; 4 top-papers (★); 233 citations (since 2014)

		Venue	Year		Title/Authors	Citations
1	C	ESEM	2018		**Identifying unmaintained projects in github.** Jailton Coelho; Marco Tulio Valente; Luciana Lourdes Silva; Emad Shihab [doi] [arxiv]	0
2	C	ICSE	2018	★	**Assessing the threat of untracked changes in software evolution.** André C. Hora; Danilo Silva; Marco Tulio Valente; Romain Robbes [doi]	1
3	J	IEEE Software	2018		**AngularJS Performance: A Survey Study.** Miguel Ramos; Marco Tulio Valente; Ricardo Terra [doi] [arxiv]	0
4	J	JSS	2018		**On the use of replacement messages in API deprecation: An empirical study.** Gleison Brito; André C. Hora; Marco Tulio Valente; Romain Robbes [doi]	1
5	J	JSS	2018		**JMove: A novel heuristic and tool to detect move method refactoring opportunities.** Ricardo Terra; Marco Tulio Valente; Sergio Miranda; Vitor Sales [doi]	1
6	J	JSS	2018		**What's in a GitHub Star? Understanding Repository Starring Practices in a Social Coding Platform.** Hudson Borges; Marco Tulio Valente [doi] [arxiv]	0
7	C	SANER	2018		**Why and how Java developers break APIs.** Aline Brito; Laerte Xavier; André C. Hora; Marco Tulio Valente [doi] [arxiv]	1
8	J	SQJ	2018		**How do developers react to API evolution? A large-scale empirical study.** André C. Hora; Romain Robbes; Marco Tulio Valente; Nicolas Anquetil; Anne Etien; Stéphane Ducasse [doi]	1
9	C	FSE	2017	★	**Why modern open source projects fail.** Jailton Coelho; Marco Tulio Valente [doi] [arxiv]	10

We are also listed at GOTO Rankings (gotorankings.org)

DOI:10.1145/3332803

Emery Berger et al.

Viewpoint

GOTO Rankings Considered Helpful*

Seeking to improve rankings by utilizing more objective data and meaningful metrics.

RANKINGS ARE A fact of life. Whether or not one likes them (a previous *Communications* editorial argued we should eschew rankings altogether[1]), they exist and are influential. Within academia, and in computer science in particular, rankings not only capture our attention but also widely influence people who have a limited understanding of computing science research, including prospective students, university administrators, and policymakers. In short, rankings matter.

Today, academic departments are mostly ranked by for-profit enterprises. The people doing the ranking are not computer scientists, and typically have very little understanding of our field. For example, *U.S. News and World Report*, in ranking Ph.D. programs in sub-areas of computer science inaccurately describes the characteristics of research in the area of "Programming Language" [sic] (see Figure 1).

This lack of understanding of the

https://arxiv.org/abs/1807.00071

Thanks!

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