

Communities ID Cards

This document gather the “ID Cards” of the CC communities found within your database.

The CC network was built by keeping a link between articles sharing at least 5 references. The communities characterized here correspond to the ones found in the level 0 (in the sense of the Louvain algo) which gathers more than 0 articles.

These ID cards displays the most frequent keywords, subject categories, journals of publication, institution, countries, authors, references and reference journals of the articles of each community. The significance of an item $\sigma = \sqrt{N}(f - p) / \sqrt{p(1 - p)}$ [where N is the number of articles within the community and f and p are the proportion of articles respectively within the community and within the database displaying that item] is also given (for example $\sigma > 5$ is really highly significant). The tf-idf value which can be calculated by $tf - idf = f * \log(\frac{1}{p})$ is also given.

Table 1: The community 0 - “CHOICE BEHAVIOR” contains $N = 1$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/ - 9999$

Keyword	f(%)	tf-idf	Institution	f(%)	σ
CHOICE BEHAVIOR	43.75	2.73	CORNELL UNIV	18.75	39.51
NETWORK REVENUE MANAGEMENT	31.25	2.03	NYU	12.50	28.84
MULTINOMIAL LOGIT	25.00	1.83	GRAD SCH BUSINESS	12.50	19.57
CUSTOMER CHOICE	25.00	1.66	COLUMBIA UNIV	12.50	21.22
NETWORK CAPACITY CONTROL	18.75	1.34	LEONARD N STERN SCH BUSINESS	12.50	48.13
DYNAMIC PROGRAMMING	25.00	1.30	SCH OPERAT RES & INFORMAT		
AIRLINE	12.50	1.08	ENGN	12.50	83.41
APPROXIMATE DYNAMIC			UNIV MINNESOTA	6.25	8.01
PROGRAMMING	12.50	1.08	GEORGIA INST TECHNOL	6.25	9.15
REVENUE MANAGEMENT	25.00	1.05	UNIV WARWICK	6.25	32.28
ASSORTMENT	12.50	1.03	NEW YORK UNIV	6.25	72.24
CAPACITY CONTROL	12.50	0.98	COLL MANAGEMENT	6.25	9.47
EM METHOD	12.50	0.98	SCH CIVIL & ENVIRONM ENGN	6.25	51.07
MAXIMUM LIKELIHOOD	12.50	0.98	RA-1428 BUENOS AIRES	6.25	72.24
STOCHASTIC GRADIENT METHODS	12.50	0.97	HYDERABAD 500032	6.25	32.28
PRICING	25.00	0.94	INDIAN SCH BUSINESS	6.25	29.46
SIMULATION-BASED OPTIMIZATION	12.50	0.90	PROGRAM IND & SYST ENGN	6.25	51.07
MULTINOMIAL LOGIT CHOICE			DEPT INFORMAT OPERAT &		
MODEL	12.50	0.89	MANAGEMENT SCI	6.25	36.10
BUYER BEHAVIOR	12.50	0.89	RES GRP	6.25	51.07
MARKETING	12.50	0.66	MICROSOFT CORP	6.25	72.24
PRODUCT VARIETY	12.50	0.65	KUEHNE LOGIST UNIV	6.25	72.24
Subject	f(%)	σ	Country	f(%)	σ
Operations Research & Management Science	100.00	0.00	Usa	50.00	15.32
Management	50.00	-1.32	Canada	6.25	6.06
Engineering, Manufacturing	50.00	1.32	England	6.25	8.46
			India	6.25	16.52
			Germany	6.25	15.00
			Argentina	6.25	41.69
			Peoples r china	6.25	6.59
			Spain	6.25	12.31
Journal	f(%)	σ	Author	f(%)	σ
M&SOM-MANUF SERV OP	50.00	4.40	Vulcano G	31.25	30.63
PROD OPER MANAG	50.00	1.32	Topaloglu H	25.00	47.46
			Van Ryzin G	18.75	19.18
			Chaneton JM	12.50	24.72
			Zhang D	12.50	12.73
			Xie XQ	12.50	25.09
			Kunnumkal S	12.50	37.27
			Chaar W	12.50	25.48
			Anderson CK	12.50	25.09
			Bodea T	6.25	15.35

Reference	f(%)	σ
Talluri K, 2004, MANAGE SCI (50), 15	100.00	340.45
Liu Q, 2008, M&SOM-MANUF SERV OP (10), 288	87.50	612.40
Van ryzin G, 2008, M&SOM-MANUF SERV OP (10), 448	87.50	619.58
Zhang D, 2005, OPER RES (53), 415	68.75	354.39
Talluri KT, 2004, THEORY PRACTICE REVE (0), 0	56.25	154.24
Zhang D, 2009, TRANSPORT SCI (43), 381	56.25	473.51
Bront JJM, 2009, OPER RES (57), 769	56.25	491.89
Belobaba PP, 1996, DECISION SCI (27), 343	43.75	377.19
Belobaba PP, 1987, THESIS MIT CAMBRIDGE (0), 0	43.75	328.96
Andersson S-E, 1998, International Transactions in Operational Research (5), 0	43.75	352.21
Talluri K, 1998, MANAGE SCI (44), 1577	37.50	238.84
Kunnumkal S, 2008, NAV RES LOG (55), 563	37.50	432.26
Mahajan S, 2001, OPER RES (49), 334	31.25	147.65
Algers S, 2001, International Journal of Services Technology and Management (2), 0	31.25	282.57
Ben-akiva M, 1994, DISCRETE CHOICE ANAL (0), 0	25.00	256.46
Farias VF, 2007, APPROXIMATE DYNAMIC (0), 0	25.00	319.69
Talluri KT, 2005, THEORY PRACTICE REVE (0), 0	25.00	112.14
Bertsekas DP, 1996, NEURODYNAMIC PROGRAM (0), 0	25.00	237.27
Topaloglu H, 2009, OPER RES (57), 637	25.00	268.71
Boyd e A, 2004, J REVENUE PRICING MA (3), 171	25.00	281.22
Gallego G, 1997, OPER RES (45), 24	25.00	101.22
Ratliff EM, 2008, J REVENUE PRICING MA (7), 153	25.00	317.26
Train k E, 2003, DISCRETE CHOICE METH (0), 0	25.00	196.52
Adelman D, 2007, OPER RES (55), 647	25.00	248.01
Gallego G, 2004, TR200401 COL U COMP (0), 0	25.00	375.96
RefJournal	f(%)	σ
MANAGE SCI	62.50	19.50
M&SOM-MANUF SERV OP	62.50	40.23
OPER RES	62.50	27.41
THEORY PRACTICE REVE	50.00	82.53
TRANSPORT SCI	37.50	52.11
J REVENUE PRICING MA	31.25	87.60
EUR J OPER RES	31.25	15.11
DECISION SCI	31.25	15.16
International Transactions in Operational Research		
THESIS MIT CAMBRIDGE	25.00	48.11