

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 - “APPOINTMENT SCHEDULING” contains $N = 1$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/-9999$

Keyword	f(%)	tf-idf	Institution	f(%)	σ
APPOINTMENT SCHEDULING	64.29	3.40	BROCK UNIV	14.29	89.17
HEALTHCARE	28.57	1.34	ST CATHARINES	14.29	89.17
SIMULATION	28.57	1.18	UNIV MINNESOTA	7.14	8.58
NONLINEAR REGRESSION	14.29	1.09	NATL UNIV SINGAPORE	7.14	19.90
OUTPATIENT	14.29	1.06	LEE KONG CHIAN SCH BUSINESS	7.14	25.71
RESOURCE PLANNING	14.29	0.94	INDIANA UNIV	7.14	10.73
PATIENT FLOW	14.29	0.91	POSTGRAD SCH	7.14	27.27
SURGICAL SCHEDULING	14.29	0.91	USN	7.14	27.27
OVERBOOKING	14.29	0.90	GRAD SCH BUSINESS & PUBL		
HEALTH CARE OPERATIONS	14.29	0.87	POLICY	7.14	29.16
HEALTH CARE	14.29	0.77	NYU	7.14	15.39
SERVICE OPERATIONS MANAGEMENT	14.29	0.67	DEPT MANAGEMENT	7.14	6.24
SERVICE INDUSTRIES	7.14	0.63	INSEAD	7.14	11.84
URGENT PATIENTS	7.14	0.57	MED CTR	7.14	54.60
ADVANCED-ACCESS	7.14	0.57	COLL BUSINESS	7.14	7.52
PRIMARY CARE	7.14	0.57	SINGAPORE MANAGEMENT UNIV	7.14	24.39
PROBABILITY: STOCHASTIC MODEL			GRAD SCH BUSINESS	7.14	10.42
APPLICATIONS	7.14	0.53	HOSP UNIV PENN	7.14	77.23
SIMULATION OPTIMIZATION	7.14	0.51	DEPT DECIS SCI	7.14	18.15
OUTPATIENT SERVICES	7.14	0.46	DEPT OPERAT & DECIS TECHNOL	7.14	34.52
SERVICE OPERATIONS	14.29	0.42	TEXAS A&M HLTH SCI CTR	7.14	77.23
Subject	f(%)	σ	Country	f(%)	σ
Operations Research & Management Science	100.00	0.00	Usa	50.00	14.33
Engineering, Manufacturing	92.86	4.61	Canada	21.43	19.81
Management	7.14	-4.61	Singapore	14.29	24.35
			Turkey	7.14	18.15
Journal	f(%)	σ	Author	f(%)	σ
PROD OPER MANAG	92.86	4.61	Klassen KJ	21.43	23.42
M&SOM-MANUF SERV OP	7.14	-0.65	Cayirli T	14.29	11.99
			Salzarulo PA	14.29	25.33
			Cote MJ	14.29	25.33
			White DL	14.29	21.55
			Laganga LR	14.29	16.18
			Yang KK	14.29	14.22
			Lawrence SR	14.29	25.33
			Strum DP	14.29	14.54
			Schultz KL	14.29	11.91

Reference	f(%)	σ
Cayirli T, 2008, PROD OPER MANAG (17), 338	100.00	473.40
Cayirli T, 2003, PROD OPER MANAG (12), 519	78.57	287.62
Ho CJ, 1992, MANAGE SCI (38), 1750	71.43	300.63
Gupta D, 2008, IIE TRANS (40), 800	71.43	282.87
Klassen KJ, 2009, PROD OPER MANAG (18), 447	71.43	413.89
Cayirli TUGBA, 2006, Health Care Manag Sci (9), 47	64.29	340.76
Denton B, 2003, IIE TRANS (35), 1003	64.29	273.98
Laganga LR, 2007, DECISION SCI (38), 251	64.29	286.88
White MJB, 1964, MED CARE (2), 133	64.29	339.73
Bailey NTJ, 1952, J ROY STAT SOC B (14), 185	64.29	290.95
Klassen k J, 1996, Journal of Operations Management (14), 0	57.14	249.96
Fries BE, 1981, OPER RES (29), 324	50.00	268.29
Hassin R, 2008, MANAGE SCI (54), 565	50.00	295.09
Vissers J, 1979, EUR J OPER RES (3), 459	50.00	267.05
Soriano A, 1966, OPER RES (14), 388	42.86	223.81
Rohleder TR, 2000, OMEGA-INT J MANAGE S (28), 293	42.86	220.28
Fetter RB, 1966, HEALTH SERV REP (1), 66	42.86	243.54
Robinson LW, 2003, IIE TRANS (35), 295	42.86	200.94
Barron WM, 1980, PRIMARY CARE (7), 563	35.71	237.67
Wang PP, 1993, NAV RES LOG (40), 345	35.71	189.30
Okeefe RM, 1985, J OPER RES SOC (36), 705	35.71	199.17
Vissers J, 1979, MED CARE (17), 1207	35.71	220.03
Wang PP, 1997, COMPUT OPER RES (24), 703	35.71	189.01
Brahimi M, 1991, J OPER RES SOC (42), 733	35.71	220.94
Klassen KJ, 2004, INT J SERV IND MANAG (15), 167	35.71	233.80
RefJournal	f(%)	σ
PROD OPER MANAG	64.29	24.14
MANAGE SCI	57.14	16.64
EUR J OPER RES	57.14	26.09
OPER RES	57.14	23.41
Health Care Manag Sci	50.00	110.36
IIE TRANS	50.00	29.73
DECISION SCI	50.00	22.88
J OPER RES SOC	42.86	35.42
J ROY STAT SOC B	42.86	101.12
MED CARE	42.86	106.31

Table 2: The community 1 - “APPOINTMENT SCHEDULING” contains $N = 1$ articles. Its average internal link weight is $\langle \omega_{in} \rangle \simeq 1/-9999$

Keyword	f(%)	tf-idf
APPOINTMENT SCHEDULING	56.00	2.96
SERVICE OPERATIONS	48.00	1.41
SIMULATION	32.00	1.32
HEALTH CARE	24.00	1.30
OUTPATIENT SERVICES	12.00	0.78
HEALTHCARE	16.00	0.75
HEALTH-CARE MANAGEMENT	12.00	0.74
NONLINEAR REGRESSION	8.00	0.61
OUTPATIENT CLINICS	8.00	0.61
OUTPATIENT	8.00	0.59
PROBABILITY: STOCHASTIC MODEL		
APPLICATIONS	8.00	0.59
SIMULATION OPTIMIZATION	8.00	0.57
PATIENT FLOW	8.00	0.51
STOCHASTIC METHODS	8.00	0.50
OVERBOOKING	8.00	0.50
HEALTH CARE OPERATIONS	8.00	0.49
SERVICE OPERATIONS MANAGEMENT	8.00	0.38
URGENT PATIENTS	4.00	0.32
ADVANCED-ACCESS	4.00	0.32
PRIMARY CARE	4.00	0.32

Subject	f(%)	σ
Operations Research & Management Science	100.00	0.00
Engineering, Manufacturing	61.54	2.92
Management	38.46	-2.92

Journal	f(%)	σ
PROD OPER MANAG	61.54	2.92
M&SOM-MANUF SERV OP	26.92	2.11
J OPER MANAG	11.54	-4.20

Institution	f(%)	σ
GRAD SCH MANAGEMENT	11.54	47.10
DEPT MANAGEMENT	11.54	13.87
INDIANA UNIV	7.69	15.75
KELLEY SCH BUSINESS	7.69	16.79
DEPT STAT & OPERAT RES	7.69	40.03
COLL BUSINESS ADM	7.69	12.52
BROCK UNIV	7.69	65.42
CORNELL UNIV	7.69	20.60
OZYEGIN UNIV	7.69	65.42
DEPT OPERAT & DECIS TECHNOL	7.69	50.66
DEPT IND ENGN	7.69	23.56
ZICKLIN SCH BUSINESS	7.69	42.80
SCH BUSINESS	7.69	11.66
JOHNSON GRAD SCH MANAGEMENT	7.69	42.80
ST CATHARINES	7.69	65.42
MENTAL HLTH CTR DENVER	7.69	80.13
UNIV CALIF DAVIS	7.69	50.66
UNIV MINNESOTA	3.85	6.22
FRANK G ZARB SCH BUSINESS	3.85	56.66
NATL UNIV SINGAPORE	3.85	14.57

Country	f(%)	σ
Usa	61.54	24.18
Canada	15.38	19.32
Turkey	7.69	26.65
Netherlands	7.69	15.45
Singapore	7.69	17.82
South korea	3.85	12.00
Peoples r china	3.85	5.10

Author	f(%)	σ
Cayirli T	19.23	22.07
Klassen KJ	15.38	22.87
Veral E	11.54	15.28
Bretthauer KM	11.54	13.98
Salzarulo PA	7.69	18.54
Cote MJ	7.69	18.54
Ziya S	7.69	8.58
White DL	7.69	15.76
Laganga LR	7.69	11.79
Yang KK	7.69	10.35

Reference	f(%)	σ
Cayirli T, 2003, PROD OPER MANAG (12), 519	84.62	422.12
Ho CJ, 1992, MANAGE SCI (38), 1750	65.38	375.02
Klassen k J, 1996, Journal of Operations Management (14), 0	61.54	366.85
Denton B, 2003, IIE TRANS (35), 1003	53.85	312.73
Bailey NTJ, 1952, J ROY STAT SOC B (14), 185	53.85	332.11
Robinson LW, 2003, IIE TRANS (35), 295	53.85	344.06
Cayirli TUGBA, 2006, Health Care Manag Sci (9), 47	46.15	333.39
Cayirli T, 2008, PROD OPER MANAG (17), 338	46.15	297.74
Gupta D, 2008, IIE TRANS (40), 800	46.15	249.06
Rohleder TR, 2000, OMEGA-INT J MANAGE S (28), 293	46.15	323.29
Fries BE, 1981, OPER RES (29), 324	46.15	337.49
Laganga LR, 2007, DECISION SCI (38), 251	46.15	280.67
White MJB, 1964, MED CARE (2), 133	46.15	332.39
Wang PP, 1993, NAV RES LOG (40), 345	42.31	305.60
Soriano A, 1966, OPER RES (14), 388	42.31	301.09
Kaandorp guido C, 2007, Health Care Manag Sci (10), 217	42.31	315.28
Weiss EN, 1990, IIE TRANS (22), 143	42.31	274.25
Vissers J, 1979, EUR J OPER RES (3), 459	38.46	279.94
Wang PP, 1997, COMPUT OPER RES (24), 703	38.46	277.40
Hassin R, 2008, MANAGE SCI (54), 565	38.46	309.33
Okeefe RM, 1985, J OPER RES SOC (36), 705	38.46	292.31
Fetter RB, 1966, HEALTH SERV REP (1), 66	34.62	268.05
Yang KK, 1998, NAV RES LOG (45), 313	30.77	254.72
Vanden bosch PM, 1999, NAV RES LOG (46), 549	30.77	254.72
Cox t F, 1985, J APPL STAT (12), 113	30.77	252.23

RefJournal	f(%)	σ
EUR J OPER RES	73.08	45.59
OPER RES	69.23	38.75
MANAGE SCI	69.23	27.60
PROD OPER MANAG	61.54	31.47
DECISION SCI	61.54	38.47
IIE TRANS	53.85	43.66
J ROY STAT SOC B	50.00	160.78
Health Care Manag Sci	46.15	138.82
Journal of Operations Management	46.15	37.85
J OPER RES SOC	42.31	47.65