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 1 (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 f 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(frac1p) is also given.

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Table 1: The community 1 - "OPERATIONS STRATEGY" contains N=15 articles. Its average internal link weight is $<\omega_{in}>\simeq 1/20$

Keyword	f(%)	tf-idf	Institution	f(%)	σ
OPERATIONS STRATEGY	23.55	0.66	DEPT MANAGEMENT	13.08	59.18
EMPIRICAL RESEARCH	24.65	0.61	COLL BUSINESS ADM	$\frac{15.08}{7.08}$	43.28
MANUFACTURING STRATEGY	9.70	0.39	MICHIGAN STATE UNIV	7.08 5.99	$\frac{45.26}{34.78}$
TECHNOLOGY MANAGEMENT	8.03	0.34	UNIV MINNESOTA	5.99 5.72	34.78 35.07
TAXONOMY	5.54	0.31			
ADVANCED MANUFACTURING			COLL BUSINESS	5.18	27.73
TECHNOLOGIES	4.16	0.26	CARLSON SCH MANAGEMENT	4.63	36.19
SUPPLY CHAIN MANAGEMENT	10.80	0.23	OHIO STATE UNIV	4.09	32.21
MEASUREMENT AND METHODOLOGY	4.16	0.22	ELI BROAD GRAD SCH MANAGEMENT	3.81	30.04
SERVICE OPERATIONS	5.82	0.17	DEPT MANAGEMENT SCI	3.54	28.48
CONTINGENCY THEORY	3.60	0.16	ARIZONA STATE UNIV	3.27	23.93
PURCHASING	3.88	0.16	SCH MANAGEMENT	3.27	15.96
EMPIRICAL RESEARCH METHODS	3.88	0.15	FISHER COLL BUSINESS	3.27	27.18
FLEXIBILITY	3.60	0.15	DEPT SUPPLY CHAIN MANAGEMENT	3.00	24.58
MASS CUSTOMIZATION	3.05	0.15	DEPT MKT & SUPPLY CHAIN		
E-COMMERCE	3.05	0.14	MANAGEMENT	2.72	22.31
BUSINESS PERFORMANCE	2.49	0.14	OPERAT & MANAGEMENT SCI DEPT	2.72	32.62
SURVEY RESEARCH	3.05	0.14	LONDON BUSINESS SCH	2.45	29.33
MARKETING/OPERATIONS	5.05	0.14	UNIV S CAROLINA	2.45	25.79
INTERFACE	3.05	0.13	CLEMSON UNIV	2.18	21.68
OPERATIONS MANAGEMENT	$\frac{3.00}{3.60}$	0.13	KELLEY SCH BUSINESS	2.18	17.55
ELECTRONIC SURVEYS	$\frac{3.00}{1.66}$	0.13	EMORY UNIV	2.18	20.32
Subject	f(%)		Country	f(%)	σ
Operations Research & Management Science	100.00	$\frac{\sigma}{0.00}$	Usa	46.59	68.20
Management Management Science	81.25	6.30	England	5.18	33.47
Engineering, Manufacturing			Peoples r china	3.27	16.18
Engineering, Manufacturing	18.75	-6.31	Canada	2.72	12.22
			Spain	1.91	17.73
			Italy	1.36	20.68
			Finland	1.36	28.34
			Netherlands	1.09	7.81
			South korea	0.82	9.34
			Australia	0.82	10.10
T1	C(07)		Author	f(%)	σ
Journal	f(%)	σ	Boyer KK	8.15	13.37
J OPER MANAG	79.89	10.46	Schroeder RG	6.25	5.93
PROD OPER MANAG	18.75	-6.31	Rosenzweig ED	4.62	5.85
M&SOM-MANUF SERV OP	1.36	-6.64	Olson JR	3.80	16.67
			Verma R	3.80	6.34
			Ward PT	3.53	5.42
			Swink M	3.26	2.87
			Roth AV	3.26	0.89
			Pagell M	2.99	5.06
			Machuca JAD	$\frac{2.33}{2.72}$	12.31
			Litachaca VIII	2.12	12.01

Reference	f(%)	σ
Flynn B B, 1990, J OPERATIONS MANAGEM (9), 250	40.76	279.04
Miller JG, 1994, MANAGE SCI (40), 285	37.50	223.24
Malhotra MK, 1998, J OPER MANAG (16), 407	27.17	228.05
Nunnally JC, 1978, PSYCHOMETRIC THEORY (0), 0	26.90	145.75
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	26.63	168.52
Boyer K K, 1997, Journal of Operations Management		
(15), 0	24.46	248.08
Boyer K K, 1996, Journal of Operations Management		
(14), 0	20.65	246.59
Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168	20.38	142.92
Fornell C, 1981, J MARKETING RES (18), 39	19.57	89.65
Swamidass PM, 1987, MANAGE SCI (33), 509	19.57	135.16
Kathuria R, 2000, J OPER MANAG (18), 627	19.29	207.42
Bollen kenneth A, 1989, STRUCTURAL EQUATIONS (0),		
0	18.75	116.35
Vickery SK, 1993, DECISION SCI (24), 435	18.48	150.10
Boyer KK, 2000, J OPER MANAG (18), 361	17.66	217.19
Safizadeh MH, 1996, MANAGE SCI (42), 1576	17.66	146.05
Ward PT, 1998, DECISION SCI (29), 1035	16.85	190.32
Anderson JC, 1988, PSYCHOL BULL (103), 411	15.49	84.33
O'leary-kelly SW, 1998, J OPER MANAG (16), 387	15.49	107.59
Dillman d A, 1978, MAIL TELEPHONE SURVE (0), 0	14.67	117.51
Barney J, 1991, J MANAGE (17), 99	14.40	78.43
Bozarth C, 1998, J OPER MANAG (16), 427	14.40	198.18
Gerwin D, 1993, MANAGE SCI (39), 395	14.40	111.77
Flynn B B, 1994, Journal of Operations Management		
(11), 0	14.40	91.98
Boyer KK, 2000, PROD OPER MANAG (9), 128	14.13	158.12
Duray R, 2000, J OPER MANAG (18), 605	14.13	188.17
RefJournal	f(%)	σ
J OPER MANAG	53.80	110.53
MANAGE SCI	46.20	68.49
J OPERATIONS MANAGEM	42.66	113.97
STRATEGIC MANAGE J	41.58	103.87
ACAD MANAGE REV	40.49	99.44
HARVARD BUS REV	40.49	85.91
DECISION SCI	38.32	89.52
ACAD MANAGE J	36.68	95.63
Journal of Operations Management	36.41	112.10
INT J OPER PROD MAN	35.60	101.31

Table 2: The community 2 - "MANUFACTURING STRATEGY" contains N=14 articles. Its average internal link weight is $<\omega_{in}>\simeq 1/12$

Keyword	f(%)	tf-idf
MANUFACTURING STRATEGY	18.69	0.75
EMPIRICAL RESEARCH	25.86	0.73
OPERATIONS STRATEGY	21.81	0.61
CUMULATIVE CAPABILITIES	4.67	0.28
RESOURCE-BASED VIEW	5.61	0.27
COMPETITIVE CAPABILITIES	4.98	0.27
SUPPLY CHAIN MANAGEMENT	10.90	0.24
TRADEOFFS	3.43	0.22
TAXONOMY	4.05	0.22
META-ANALYSIS	4.05	0.21
EMPIRICAL METHODS	3.12	0.19
INTEGRATION	3.43	0.18
FLEXIBILITY	4.05	0.17
TRADE-OFFS	2.49	0.17
MEASUREMENT AND METHODOLOGY	3.12	0.16
MANUFACTURING PERFORMANCE	3.12	0.16
EXPLOITATION	3.12	0.15
EXPLORATION	3.12	0.15
INNOVATION CAPABILITY	2.18	0.14
IMPROVEMENT CAPABILITY	2.18	0.14
Subject	f(%)	
Operations Research & Management Science	100.00	$\frac{\sigma}{0.00}$
Management Management		3.70
Engineering, Manufacturing	75.38 24.62	-3.70
Engineering, Wanufacturing	24.02	-3.70
Journal	f(%)	σ
J OPER MANAG	72.31	7.10
PROD OPER MANAG	$\frac{72.31}{24.62}$	-3.70
M&SOM-MANUF SERV OP	3.08	-5.32
Masow-Marvor Shity Of	5.00	-0.02

Institution	f(%)	σ
DEPT MANAGEMENT	8.92	37.76
MICHIGAN STATE UNIV	6.46	35.32
COLL BUSINESS ADM	6.46	37.10
UNIV MINNESOTA	5.23	30.12
COLL BUSINESS	4.62	23.19
CARLSON SCH MANAGEMENT	4.00	29.35
ELI BROAD GRAD SCH MANAGEMENT	3.69	27.34
EMORY UNIV	3.08	27.14
GOIZUETA BUSINESS SCH	3.08	29.44
DEPT MANAGEMENT SCI	2.77	20.86
SCH MANAGEMENT	2.77	12.61
OHIO STATE UNIV	2.77	20.40
DEPT MKT & SUPPLY CHAIN		
MANAGEMENT	2.77	21.34
CLEMSON UNIV	2.46	23.08
KELLEY SCH BUSINESS	2.46	18.71
DEPT SUPPLY CHAIN MANAGEMENT	2.46	18.93
INDIANA UNIV	2.46	17.52
UNIV S CAROLINA	2.46	24.36
UNIV UTAH	2.15	24.82
FISHER COLL BUSINESS	2.15	16.71
Country	f(%)	σ
Country Usa	f(%) 42.15	$\frac{\sigma}{57.84}$
Usa	42.15	57.84
Usa England	42.15 3.38	57.84 20.41
Usa England Canada	42.15 3.38 3.08	57.84 20.41 13.08
Usa England Canada Peoples r china Italy Portugal	42.15 3.38 3.08 1.85	57.84 20.41 13.08 8.31
Usa England Canada Peoples r china Italy	42.15 3.38 3.08 1.85 1.23	57.84 20.41 13.08 8.31 17.56
Usa England Canada Peoples r china Italy Portugal	42.15 3.38 3.08 1.85 1.23 1.23	57.84 20.41 13.08 8.31 17.56 19.13
Usa England Canada Peoples r china Italy Portugal Spain	42.15 3.38 3.08 1.85 1.23 1.23 0.92	57.84 20.41 13.08 8.31 17.56 19.13 7.89
Usa England Canada Peoples r china Italy Portugal Spain Finland	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.92	57.84 20.41 13.08 8.31 17.56 19.13 7.89 18.01
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.92 0.62 0.62	57.84 20.41 13.08 8.31 17.56 19.13 7.89 18.01 6.54
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea Australia	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.92 0.62	57.84 20.41 13.08 8.31 17.56 19.13 7.89 18.01 6.54 7.08
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea Australia	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.62 0.62 f(%)	57.84 20.41 13.08 8.31 17.56 19.13 7.89 18.01 6.54 7.08
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea Australia Author Rosenzweig ED	42.15 3.38 3.08 1.85 1.23 0.92 0.92 0.62 0.62 f(%)	$\begin{array}{c} 57.84 \\ 20.41 \\ 13.08 \\ 8.31 \\ 17.56 \\ 19.13 \\ 7.89 \\ 18.01 \\ 6.54 \\ 7.08 \\ \hline \sigma \\ 17.00 \\ \end{array}$
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea Australia Author Rosenzweig ED Roth AV	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.62 0.62 f(%) 11.69 10.46	57.84 20.41 13.08 8.31 17.56 19.13 7.89 18.01 6.54 7.08 717.00 9.09
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea Australia Author Rosenzweig ED Roth AV Swink M	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.62 0.62 f(%) 11.69 10.46 8.62	$\begin{array}{c} 57.84 \\ 20.41 \\ 13.08 \\ 8.31 \\ 17.56 \\ 19.13 \\ 7.89 \\ 18.01 \\ 6.54 \\ 7.08 \\ \hline \\ \sigma \\ 17.00 \\ 9.09 \\ 10.73 \\ \end{array}$
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea Australia Author Rosenzweig ED Roth AV Swink M Schroeder RG	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.62 0.62 f(%) 11.69 10.46 8.62 7.38	$\begin{array}{c} 57.84 \\ 20.41 \\ 13.08 \\ 8.31 \\ 17.56 \\ 19.13 \\ 7.89 \\ 18.01 \\ 6.54 \\ 7.08 \\ \hline \\ \sigma \\ 17.00 \\ 9.09 \\ 10.73 \\ 7.05 \\ \end{array}$
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea Australia Author Rosenzweig ED Roth AV Swink M Schroeder RG Narasimhan R	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.62 0.62 f(%) 11.69 10.46 8.62 7.38 4.62	57.84 20.41 13.08 8.31 17.56 19.13 7.89 18.01 6.54 7.00 9.09 10.73 7.05 4.56
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea Australia Author Rosenzweig ED Roth AV Swink M Schroeder RG Narasimhan R Boyer KK	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.62 0.62 0.62 11.69 10.46 8.62 7.38 4.62 3.69	57.84 20.41 13.08 8.31 17.56 19.13 7.89 18.01 6.54 7.08 0.09 17.00 9.09 10.73 7.05 4.56 4.68
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea Australia Author Rosenzweig ED Roth AV Swink M Schroeder RG Narasimhan R Boyer KK Kristal MM	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.62 6(%) 11.69 10.46 8.62 7.38 4.62 3.69 3.38	$\begin{array}{c} 57.84 \\ 20.41 \\ 13.08 \\ 8.31 \\ 17.56 \\ 19.13 \\ 7.89 \\ 18.01 \\ 6.54 \\ 7.08 \\ \hline \\ \sigma \\ 17.00 \\ 9.09 \\ 10.73 \\ 7.05 \\ 4.56 \\ 4.68 \\ 6.97 \\ \end{array}$
Usa England Canada Peoples r china Italy Portugal Spain Finland South korea Australia Author Rosenzweig ED Roth AV Swink M Schroeder RG Narasimhan R Boyer KK Kristal MM Verma R	42.15 3.38 3.08 1.85 1.23 1.23 0.92 0.62 6(%) 11.69 10.46 8.62 7.38 4.62 3.69 3.38 3.38	$\begin{array}{c} 57.84 \\ 20.41 \\ 13.08 \\ 8.31 \\ 17.56 \\ 19.13 \\ 7.89 \\ 18.01 \\ 6.54 \\ 7.08 \\ \hline \\ \sigma \\ 17.00 \\ 9.09 \\ 10.73 \\ 7.05 \\ 4.56 \\ 4.68 \\ 6.97 \\ 5.12 \\ \end{array}$

Reference	f(%)	σ
Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168	57.54	380.09
Hayes RH, 1984, RESTORING OUR COMPET (0), 0	44.62	265.69
Miller JG, 1994, MANAGE SCI (40), 285	44.00	246.26
Boyer KK, 2002, PROD OPER MANAG (11), 9	34.15	290.70
Swamidass PM, 1987, MANAGE SCI (33), 509	31.08	202.05
Vickery SK, 1993, DECISION SCI (24), 435	28.31	216.32
Rosenzweig ED, 2004, PROD OPER MANAG (13), 354	27.69	243.12
Safizadeh MH, 1996, MANAGE SCI (42), 1576	26.77	208.23
Ward PT, 2000, J OPER MANAG (18), 123	26.46	256.10
Skinner W, 1969, HARVARD BUS REV (47), 136	26.15	212.57
Noble MA, 1995, DECISION SCI (26), 693	24.92	258.49
Flynn BB, 1999, J OPER MANAG (17), 249	24.92	269.80
Vickery s K, 1997, Journal of Operations		
Management (15), 0	24.62	266.61
Gerwin D, 1993, MANAGE SCI (39), 395	23.38	170.82
Hayes r H, 1996, PRODUCTION OPERATION (5), 25	23.38	212.22
Giffi C, 1990, COMPETING WORLD CLAS (0), 0	23.38	223.52
Ward PT, 1995, J OPERATIONS MANAGEM (13), 99	23.08	224.87
White g P, 1996, J OPERATIONS MANAGEM (14), 315	22.77	246.93
Ward PT, 1998, DECISION SCI (29), 1035	21.85	232.00
Roth a V, 1992, BUS HORIZONS (35), 73	21.23	262.77
Porter M, 1980, COMPETITIVE STRATEGY (0), 0	20.92	149.49
Barney J, 1991, J MANAGE (17), 99	20.62	105.78
Fornell C, 1981, J MARKETING RES (18), 39	20.31	87.47
Flynn BB, 2004, J OPER MANAG (22), 439	20.00	231.65
Schmenner RW, 1998, J OPER MANAG (17), 97	20.00	142.87
RefJournal	f(%)	σ
MANAGE SCI	46.46	64.75
J OPER MANAG	44.62	85.85
HARVARD BUS REV	40.62	80.99
STRATEGIC MANAGE J	40.00	93.86
J OPERATIONS MANAGEM	39.08	97.99
DECISION SCI	38.77	85.14
ACAD MANAGE REV	38.15	87.98
Journal of Operations Management	33.85	97.84
ACAD MANAGE J	32.62	79.76
INT J OPER PROD MAN	32.00	85.46

Table 3: The community 0 - "MANUFACTURING STRATEGY" contains N=10 articles. Its average internal link weight is $<\omega_{in}>\simeq 1/7$

Keyword f(%) tf-idf MANUFACTURING STRATEGY 20.44 0.82 OPERATIONS STRATEGY 23.56 0.66 EMPIRICAL RESEARCH 19.56 0.48 COMPETITIVE CAPABILITIES 5.78 0.31 TRADE-OFFS 4.44 0.30 THEORY DEVELOPMENT 5.78 0.29 MANUFACTURING CAPABILITIES 4.44 0.29 COMPETITIVE PROGRESSION 4.00 0.28
MANUFACTURING STRATEGY 20.44 0.82 OPERATIONS STRATEGY 23.56 0.66 EMPIRICAL RESEARCH 19.56 0.48 COMPETITIVE CAPABILITIES 5.78 0.31 TRADE-OFFS 4.44 0.30 THEORY DEVELOPMENT 5.78 0.29 MANUFACTURING CAPABILITIES 4.44 0.29 COMPETITIVE PROGRESSION THEORY 4.00 0.28
EMPIRICAL RESEARCH 19.56 0.48 COMPETITIVE CAPABILITIES 5.78 0.31 TRADE-OFFS 4.44 0.30 THEORY DEVELOPMENT 5.78 0.29 MANUFACTURING CAPABILITIES 4.44 0.29 COMPETITIVE PROGRESSION THEORY 4.00 0.28
COMPETITIVE CAPABILITIES 5.78 0.31 TRADE-OFFS 4.44 0.30 THEORY DEVELOPMENT 5.78 0.29 MANUFACTURING CAPABILITIES 4.44 0.29 COMPETITIVE PROGRESSION 4.00 0.28
TRADE-OFFS 4.44 0.30 THEORY DEVELOPMENT 5.78 0.29 MANUFACTURING CAPABILITIES 4.44 0.29 COMPETITIVE PROGRESSION THEORY 4.00 0.28
THEORY DEVELOPMENT 5.78 0.29 MANUFACTURING CAPABILITIES 4.44 0.29 COMPETITIVE PROGRESSION THEORY 4.00 0.28
THEORY DEVELOPMENT 5.78 0.29 MANUFACTURING CAPABILITIES 4.44 0.29 COMPETITIVE PROGRESSION THEORY 4.00 0.28
COMPETITIVE PROGRESSION THEORY 4.00 0.28
COMPETITIVE PROGRESSION THEORY 4.00 0.28
THEORY 4.00 0.28
HIGH-TECH MANUFACTURING 4.44 0.27
AREAS FOR FUTURE RESEARCH 3.56 0.26
ASSET FRONTIERS 3.11 0.24
PERFORMANCE IMPROVEMENT PATHS 3.11 0.24
PRODUCT CONFORMANCE 3.11 0.24
COMPETING RISK HAZARD FUNCTION
MODEL 3.11 0.24
PRODUCT PERFORMANCE 3.11 0.24
DESIGN-TO-ORDER 3.11 0.24
LOGISTIC REGRESSION 3.11 0.20
CUMULATIVE CAPABILITIES 3.11 0.20
SECONDARY DATA 3.11 0.18
STRATEGY 3.11 0.18
$\begin{array}{ccc} \text{STRATEGY} & 3.11 & 0.18 \\ \\ \text{Subject} & \text{f(\%)} & \sigma \end{array}$
STRATEGY3.110.18Subject $f(\%)$ σ Operations Research & Management Science100.000.00Management52.84-4.08
STRATEGY3.110.18Subject $f(\%)$ σ Operations Research & Management Science100.000.00Management52.84-4.08
STRATEGY3.110.18Subject $f(\%)$ σ Operations Research & Management Science100.000.00Management52.84-4.08
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STRATEGY 3.11 0.18 Subject f(%) σ Operations Research & Management Science 100.00 0.00 Management 52.84 -4.08 Engineering, Manufacturing 47.16 4.08 Journal f(%) σ J OPER MANAG 50.66 -0.61
STRATEGY 3.11 0.18 Subject f(%) σ Operations Research & Management Science 100.00 0.00 Management 52.84 -4.08 Engineering, Manufacturing 47.16 4.08 Journal f(%) σ J OPER MANAG 50.66 -0.61 PROD OPER MANAG 47.16 4.08
STRATEGY 3.11 0.18 Subject f(%) σ Operations Research & Management Science 100.00 0.00 Management 52.84 -4.08 Engineering, Manufacturing 47.16 4.08 Journal f(%) σ J OPER MANAG 50.66 -0.61 PROD OPER MANAG 47.16 4.08
STRATEGY 3.11 0.18 Subject f(%) σ Operations Research & Management Science 100.00 0.00 Management 52.84 -4.08 Engineering, Manufacturing 47.16 4.08 Journal f(%) σ J OPER MANAG 50.66 -0.61 PROD OPER MANAG 47.16 4.08
STRATEGY 3.11 0.18 Subject f(%) σ Operations Research & Management Science 100.00 0.00 Management 52.84 -4.08 Engineering, Manufacturing 47.16 4.08 Journal f(%) σ J OPER MANAG 50.66 -0.61 PROD OPER MANAG 47.16 4.08
STRATEGY 3.11 0.18 Subject f(%) σ Operations Research & Management Science 100.00 0.00 Management 52.84 -4.08 Engineering, Manufacturing 47.16 4.08 Journal f(%) σ J OPER MANAG 50.66 -0.61 PROD OPER MANAG 47.16 4.08
STRATEGY 3.11 0.18 Subject f(%) σ Operations Research & Management Science 100.00 0.00 Management 52.84 -4.08 Engineering, Manufacturing 47.16 4.08 Journal f(%) σ J OPER MANAG 50.66 -0.61 PROD OPER MANAG 47.16 4.08

Institution	f(%)	σ
DEPT MANAGEMENT	8.73	31.01
MICHIGAN STATE UNIV	7.42	34.14
COLL BUSINESS ADM	4.80	23.03
ELI BROAD GRAD SCH MANAGEMENT	4.37	27.21
UNIV N CAROLINA	3.93	20.91
COLL BUSINESS	3.93	16.50
UNIV MINNESOTA	3.49	16.73
DEPT MKT & SUPPLY CHAIN		
MANAGEMENT	3.49	22.69
DEPT MANAGEMENT SCI	3.49	22.18
GOIZUETA BUSINESS SCH	3.06	24.55
INDIANA UNIV	3.06	18.35
CARLSON SCH MANAGEMENT	3.06	18.74
EMORY UNIV	3.06	22.63
SCH BUSINESS	3.06	13.44
COLL MANAGEMENT	2.62	14.79
GEORGIA INST TECHNOL	2.18	11.82
UNIV NOTRE DAME	2.18	18.46
LONDON BUSINESS SCH	2.18	20.60
UNIV UTAH	2.18	21.12
KENAN FLAGLER BUSINESS SCH	2.18	13.28
Country	f(%)	σ
Usa	47.16	54.55
England	5.68	29.04
Canada	3.49	12.55
Peoples r china	2.18	8.35
France	1.75	10.55
Finland		
rilliand	1.75	28.74
South korea	$1.75 \\ 1.31$	28.74 11.97
South korea	1.31	11.97
South korea Spain	1.31 1.31	$11.97 \\ 9.52$
South korea Spain Australia Singapore	1.31 1.31 0.87 0.87	11.97 9.52 8.54
South korea Spain Australia Singapore Author	1.31 1.31 0.87	11.97 9.52 8.54 5.71
South korea Spain Australia Singapore	1.31 1.31 0.87 0.87 f(%)	11.97 9.52 8.54 5.71 σ
South korea Spain Australia Singapore Author Rosenzweig ED Swink M	1.31 1.31 0.87 0.87 f(%) 14.85	11.97 9.52 8.54 5.71 σ 18.58
South korea Spain Australia Singapore Author Rosenzweig ED	1.31 1.31 0.87 0.87 f(%) 14.85 10.48	11.97 9.52 8.54 5.71 σ 18.58 11.35
South korea Spain Australia Singapore Author Rosenzweig ED Swink M Boyer KK	1.31 1.31 0.87 0.87 14.85 10.48 7.86	$ \begin{array}{r} 11.97 \\ 9.52 \\ 8.54 \\ 5.71 \end{array} $ $ \begin{array}{r} \sigma \\ 18.58 \\ 11.35 \\ 10.12 \end{array} $
South korea Spain Australia Singapore Author Rosenzweig ED Swink M Boyer KK Roth AV	1.31 1.31 0.87 0.87 14.85 10.48 7.86 7.42	$ \begin{array}{c} 11.97 \\ 9.52 \\ 8.54 \\ 5.71 \end{array} $ $ \begin{array}{c} \sigma \\ 18.58 \\ 11.35 \\ 10.12 \\ 4.71 \end{array} $
South korea Spain Australia Singapore Author Rosenzweig ED Swink M Boyer KK Roth AV Schroeder RG	1.31 1.31 0.87 0.87 f(%) 14.85 10.48 7.86 7.42 5.24	$ \begin{array}{c} 11.97 \\ 9.52 \\ 8.54 \\ 5.71 \end{array} $ $ \begin{array}{c} \sigma \\ 18.58 \\ 11.35 \\ 10.12 \\ 4.71 \\ 3.58 \end{array} $
South korea Spain Australia Singapore Author Rosenzweig ED Swink M Boyer KK Roth AV Schroeder RG Scudder GD	1.31 1.31 0.87 0.87 f(%) 14.85 10.48 7.86 7.42 5.24 3.06	$ \begin{array}{c} 11.97 \\ 9.52 \\ 8.54 \\ 5.71 \end{array} $ $ \begin{array}{c} \sigma \\ 18.58 \\ 11.35 \\ 10.12 \\ 4.71 \\ 3.58 \\ 16.87 \end{array} $
South korea Spain Australia Singapore Author Rosenzweig ED Swink M Boyer KK Roth AV Schroeder RG Scudder GD Lapre MA	1.31 1.31 0.87 0.87 (%) 14.85 10.48 7.86 7.42 5.24 3.06 3.06	$11.97 \\ 9.52 \\ 8.54 \\ 5.71 \\ \hline \sigma \\ 18.58 \\ 11.35 \\ 10.12 \\ 4.71 \\ 3.58 \\ 16.87 \\ 15.67 \\ \hline$
South korea Spain Australia Singapore Author Rosenzweig ED Swink M Boyer KK Roth AV Schroeder RG Scudder GD Lapre MA Raturi AS	1.31 1.31 0.87 0.87 f(%) 14.85 10.48 7.86 7.42 5.24 3.06 3.06 3.06	$\begin{array}{c} 11.97 \\ 9.52 \\ 8.54 \\ 5.71 \\ \hline \sigma \\ 18.58 \\ 11.35 \\ 10.12 \\ 4.71 \\ 3.58 \\ 16.87 \\ 15.67 \\ 16.44 \\ \end{array}$

Hayes r H, 1996, PRODUCTION OPERATION (5), 25 48.03 366.23 Schmenner RW, 1998, J OPER MANAG (17), 97 44.54 267.56 Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168 38.43 212.95 Skinner W, 1996, PRODUCTION OPERATION (5), 3 36.24 300.36 Hayes RH, 1984, RESTORING OUR COMPET (0), 0 34.50 172.35 Miller JG, 1994, MANAGE SCI (40), 285 32.75 153.74 Safizadeh MH, 2000, PROD OPER MANAG (9), 111 28.82 270.22 Skinner W, 1996, PRODUCTION OPERATION (5), 42 25.33 299.61 Skinner W, 1969, PRODUCTION OPERATION (5), 42 25.33 299.61 Skinner W, 1969, HARVARD BUS REV (47), 136 24.89 169.80 Boyer KK, 2002, PROD OPER MANAG (11), 9 24.89 169.80 Boyer KK, 2002, PROD OPER MANAG (76) 29.69 209.09 Vickery s K, 1994, Production and Operations Management (3), 0 22.71 246.70 Wheelwright SC, 1996, PRODUCTION OPERATION (5), 59 21.83 223.61 Gerwin D, 1993, MANAGE SCI (39), 395 21.40 131.17 Ramdas K, 2003, PROD OPER MANAG (12), 79 20.52 205.74 <th></th> <th></th> <th></th>			
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Skinner W, 1996, PRODUCTION OPERATION (5), 3 36.24 300.36 Hayes RH, 1984, RESTORING OUR COMPET (0), 0 34.50 172.35 Miller JG, 1994, MANAGE SCI (40), 285 32.75 153.74 Safizadeh MH, 2000, PROD OPER MANAG (9), 111 28.82 270.22 Skinner W, 1996, PRODUCTION OPERATION (5), 15 25.76 298.65 Clark k B, 1996, PRODUCTION OPERATION (5), 42 25.33 299.61 Skinner W, 1969, HARVARD BUS REV (47), 136 24.89 169.80 Boyer KK, 2002, PROD OPER MANAG (11), 9 24.89 177.75 Noble MA, 1995, DECISION SCI (26), 693 24.02 209.09 Vickery s K, 1994, Production and Operations Management (3), 0 22.71 246.70 Wheelwright SC, 1996, PRODUCTION OPERATION (5), 59 Gerwin D, 1993, MANAGE SCI (39), 395 21.40 Barney J, 1991, J MANAGE (17), 99 19.65 Roth a V, 1992, BUS HORIZONS (35), 73 19.65 204.14 Rosenzweig ED, 2004, PROD OPER MANAG (13), 354 18.78 138.28 Swamidass PM, 1987, MANAGE SCI (33), 509 17.90 97.53 Giffi C, 1990, COMPETING WORLD CLAS (0), 0 17.90 143.58 Gupta YP, 1998, PRODUCTION OPERATION (7), 243 17.03 109.10 Corbett C, 1993, CALIF MANAGE REV (35), 107 17.03 211.27 Flynn BB, 1999, J OPER MANAG (17), 249 16.59 150.70 RefJournal (6) MANAGE SCI 37.99 74.77 DOELSION SCI 48.79 DOELSION	Schmenner RW, 1998, J OPER MANAG (17), 97	44.54	267.56
Hayes RH, 1984, RESTORING OUR COMPET (0), 0 34.50 172.35 Miller JG, 1994, MANAGE SCI (40), 285 32.75 153.74 Safizadeh MH, 2000, PROD OPER MANAG (9), 111 28.82 270.22 Skinner W, 1996, PRODUCTION OPERATION (5), 15 25.76 298.65 Clark k B, 1996, PRODUCTION OPERATION (5), 42 25.33 299.61 Skinner W, 1969, HARVARD BUS REV (47), 136 24.89 169.80 Boyer KK, 2002, PROD OPER MANAG (11), 9 24.89 177.75 Noble MA, 1995, DECISION SCI (26), 693 24.02 209.09 Vickery s K, 1994, Production and Operations Management (3), 0 22.71 246.70 Wheelwright SC, 1996, PRODUCTION OPERATION (5), 59 21.83 223.61 Gerwin D, 1993, MANAGE SCI (39), 395 21.40 131.17 Ramdas K, 2003, PROD OPER MANAG (12), 79 20.52 205.2 Barney J, 1991, J MANAGE (17), 99 19.65 84.61 Roth a V, 1992, BUS HORIZONS (35), 73 19.65 204.14 Rosenzweig ED, 2004, PROD OPER MANAG (13), 354 18.78 138.28 Swamidass PM, 1987, MANAGE SCI (33), 509 17.90 17.53 Giffi C, 1990, COMPETING WORLD CLAS (0), 0 17.90 <t< td=""><td>Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168</td><td>38.43</td><td>212.95</td></t<>	Ferdows K, 1990, J OPERATIONS MANAGEM (9), 168	38.43	212.95
Miller JG, 1994, MANAGE SCI (40), 285 32.75 153.74 Safizadeh MH, 2000, PROD OPER MANAG (9), 111 28.82 270.22 Skinner W, 1996, PRODUCTION OPERATION (5), 15 25.76 298.65 Clark k B, 1996, PRODUCTION OPERATION (5), 42 25.33 299.61 Skinner W, 1969, HARVARD BUS REV (47), 136 24.89 169.80 Boyer KK, 2002, PROD OPER MANAG (11), 9 24.89 177.75 Noble MA, 1995, DECISION SCI (26), 693 24.02 209.09 Vickery s K, 1994, Production and Operations Management (3), 0 22.71 246.70 Wheelwright SC, 1996, PRODUCTION OPERATION (5), 59 21.83 223.61 Gerwin D, 1993, MANAGE SCI (39), 395 21.40 131.17 Ramdas K, 2003, PROD OPER MANAG (12), 79 20.52 205.74 Barney J, 1991, J MANAGE (17), 99 19.65 84.61 Roth a V, 1992, BUS HORIZONS (35), 73 19.65 204.14 Rosenzweig ED, 2004, PROD OPER MANAG (13), 354 18.78 138.28 Swamidass PM, 1987, MANAGE SCI (33), 509 17.90 97.53 Giffi C, 1990, COMPETING WORLD CLAS (0), 0 17.90 143.58 Gupta YP, 1998, PRODUCTION OPERATION (7), 243 17.03 255.54 <td>Skinner W, 1996, PRODUCTION OPERATION (5), 3</td> <td>36.24</td> <td>300.36</td>	Skinner W, 1996, PRODUCTION OPERATION (5), 3	36.24	300.36
Safizadeh MH, 2000, PROD OPER MANAG (9), 111 28.82 270.22 Skinner W, 1996, PRODUCTION OPERATION (5), 15 25.76 298.65 Clark k B, 1996, PRODUCTION OPERATION (5), 42 Skinner W, 1969, HARVARD BUS REV (47), 136 24.89 169.80 Skinner W, 1969, HARVARD BUS REV (47), 136 24.89 167.75 Noble MA, 1995, DECISION SCI (26), 693 24.02 209.09 Vickery s K, 1994, Production and Operations Management (3), 0 22.71 246.70 Wheelwright SC, 1996, PRODUCTION OPERATION (5), 59 21.83 223.61 Gerwin D, 1993, MANAGE SCI (39), 395 Ramdas K, 2003, PROD OPER MANAG (12), 79 20.52 205.74 Barney J, 1991, J MANAGE (17), 99 19.65 84.61 Roth a V, 1992, BUS HORIZONS (35), 73 19.65 204.14 Rosenzweig ED, 2004, PROD OPER MANAG (13), 354 Rosenzweig ED, 2004, PROD OPER MANAG (13), 354 Swamidass PM, 1987, MANAGE SCI (33), 509 17.90 97.53 Giffi C, 1990, COMPETING WORLD CLAS (0), 0 17.90 143.58 Gupta YP, 1998, PRODUCTION OPERATION (7), 243 17.03 255.54 Vickery SK, 1993, DECISION SCI (24), 435 Corbett C, 1993, CALIF MANAGE REV (35), 107 17.03 121.27 Flynn BB, 1999, J OPER MANAG (17), 249 16.59 150.70 RefJournal f(%) MANAGE SCI J OPER MANAG 46.72 75.54 HARVARD BUS REV PROD OPER MANAG 38.43 57.75 STRATEGIC MANAGE J 37.99 74.77 DECISION SCI 40.78 31.44 86.47	Hayes RH, 1984, RESTORING OUR COMPET (0), 0	34.50	172.35
Skinner W, 1996, PRODUCTION OPERATION (5), 15 25.76 298.65 Clark k B, 1996, PRODUCTION OPERATION (5), 42 25.33 299.61 Skinner W, 1969, HARVARD BUS REV (47), 136 24.89 169.80 Boyer KK, 2002, PROD OPER MANAG (11), 9 24.89 177.75 Noble MA, 1995, DECISION SCI (26), 693 24.02 209.09 Vickery s K, 1994, Production and Operations Management (3), 0 22.71 246.70 Wheelwright SC, 1996, PRODUCTION OPERATION (5), 59 21.83 223.61 Gerwin D, 1993, MANAGE SCI (39), 395 21.40 131.17 Ramdas K, 2003, PROD OPER MANAG (12), 79 20.52 205.74 Barney J, 1991, J MANAGE (17), 99 19.65 84.61 Roth a V, 1992, BUS HORIZONS (35), 73 19.65 204.14 Rosenzweig ED, 2004, PROD OPER MANAG (13), 354 18.78 138.28 Swamidass PM, 1987, MANAGE SCI (33), 509 17.90 97.53 Giffi C, 1990, COMPETING WORLD CLAS (0), 0 17.90 143.58 Gupta YP, 1998, PRODUCTION OPERATION (7), 243 17.03 255.54 Vickery SK, 1993, DECISION SCI (24), 435 17.03 205.70 Flynn BB, 1999, J OPER MANAG (17), 249 16.59 <t< td=""><td>Miller JG, 1994, MANAGE SCI (40), 285</td><td>32.75</td><td>153.74</td></t<>	Miller JG, 1994, MANAGE SCI (40), 285	32.75	153.74
Clark k B, 1996, PRODUCTION OPERATION (5), 42 25.33 299.61 Skinner W, 1969, HARVARD BUS REV (47), 136 24.89 169.80 Boyer KK, 2002, PROD OPER MANAG (11), 9 24.89 177.75 Noble MA, 1995, DECISION SCI (26), 693 24.02 209.09 Vickery s K, 1994, Production and Operations Management (3), 0 22.71 246.70 Wheelwright SC, 1996, PRODUCTION OPERATION (5), 59 21.83 223.61 Gerwin D, 1993, MANAGE SCI (39), 395 21.40 131.17 Ramdas K, 2003, PROD OPER MANAG (12), 79 20.52 205.74 Barney J, 1991, J MANAGE (17), 99 19.65 84.61 Roth a V, 1992, BUS HORIZONS (35), 73 19.65 204.14 Rosenzweig ED, 2004, PROD OPER MANAG (13), 354 18.78 138.28 Swamidass PM, 1987, MANAGE SCI (33), 509 17.90 97.53 Giffi C, 1990, COMPETING WORLD CLAS (0), 0 17.90 143.58 Gupta YP, 1998, PRODUCTION OPERATION (7), 243 17.03 255.54 Vickery SK, 1993, DECISION SCI (24), 435 17.03 109.10 Corbett C, 1993, CALIF MANAGE REV (35), 107 17.03 211.27 Flynn BB, 1999, J OPER MANAG (17), 249 16.59 150.70 RefJournal f(%)	Safizadeh MH, 2000, PROD OPER MANAG (9), 111	28.82	270.22
Skinner W, 1969, HARVARD BUS REV (47), 136 24.89 169.80 Boyer KK, 2002, PROD OPER MANAG (11), 9 24.89 177.75 Noble MA, 1995, DECISION SCI (26), 693 24.02 209.09 Vickery s K, 1994, Production and Operations 22.71 246.70 Management (3), 0 22.71 246.70 Wheelwright SC, 1996, PRODUCTION OPERATION (5), 59 21.83 223.61 Gerwin D, 1993, MANAGE SCI (39), 395 21.40 131.17 Ramdas K, 2003, PROD OPER MANAG (12), 79 20.52 205.74 Barney J, 1991, J MANAGE (17), 99 19.65 84.61 Roth a V, 1992, BUS HORIZONS (35), 73 19.65 204.14 Rosenzweig ED, 2004, PROD OPER MANAG (13), 354 18.78 138.28 Swamidass PM, 1987, MANAGE SCI (33), 509 17.90 97.53 Giffi C, 1990, COMPETING WORLD CLAS (0), 0 17.90 143.58 Gupta YP, 1998, PRODUCTION OPERATION (7), 243 17.03 255.54 Vickery SK, 1993, DECISION SCI (24), 435 17.03 109.10 Corbett C, 1993, CALIF MANAGE REV (35), 107 17.03 211.27 Flynn BB, 1999, J OPER MANAG (17), 249 16.59 150.70 RefJournal	Skinner W, 1996, PRODUCTION OPERATION (5), 15	25.76	298.65
Boyer KK, 2002, PROD OPER MANAG (11), 9 24.89 177.75 Noble MA, 1995, DECISION SCI (26), 693 24.02 209.09 Vickery s K, 1994, Production and Operations Management (3), 0 22.71 246.70 Wheelwright SC, 1996, PRODUCTION OPERATION (5), 59 21.83 223.61 Gerwin D, 1993, MANAGE SCI (39), 395 21.40 131.17 Ramdas K, 2003, PROD OPER MANAG (12), 79 20.52 205.74 Barney J, 1991, J MANAGE (17), 99 19.65 84.61 Roth a V, 1992, BUS HORIZONS (35), 73 19.65 204.14 Rosenzweig ED, 2004, PROD OPER MANAG (13), 354 18.78 138.28 Swamidass PM, 1987, MANAGE SCI (33), 509 17.90 97.53 Giffi C, 1990, COMPETING WORLD CLAS (0), 0 17.90 143.58 Gupta YP, 1998, PRODUCTION OPERATION (7), 243 17.03 255.54 Vickery SK, 1993, DECISION SCI (24), 435 17.03 109.10 Corbett C, 1993, CALIF MANAGE REV (35), 107 17.03 211.27 Flynn BB, 1999, J OPER MANAG (17), 249 16.59 150.70 MANAGE SCI 49.78 58.37 J OPER MANAG 38.43 57.75 STRATEGIC MANAGE J 37.99 </td <td>Clark k B, 1996, PRODUCTION OPERATION (5), 42</td> <td>25.33</td> <td>299.61</td>	Clark k B, 1996, PRODUCTION OPERATION (5), 42	25.33	299.61
Noble MA, 1995, DECISION SCI (26), 693 Vickery s K, 1994, Production and Operations Management (3), 0 Wheelwright SC, 1996, PRODUCTION OPERATION (5), 59 Gerwin D, 1993, MANAGE SCI (39), 395 Ramdas K, 2003, PROD OPER MANAG (12), 79 Barney J, 1991, J MANAGE (17), 99 Roth a V, 1992, BUS HORIZONS (35), 73 Giffi C, 1990, COMPETING WORLD CLAS (0), 0 Gupta YP, 1998, PRODUCTION OPERATION (7), 243 Vickery SK, 1993, DECISION SCI (24), 435 Vickery SK, 1993, CALIF MANAGE REV (35), 107 Flynn BB, 1999, J OPER MANAG (17), 249 RefJournal MANAGE SCI MANAGE SC	Skinner W, 1969, HARVARD BUS REV (47), 136	24.89	169.80
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