The Diversity of the POM Field as Reflected in the Evaluation of its Journals

by

Chris Voss
London Business School, Regent's Park,
London NW1 4SA, United Kingdom

Andreas Soteriou, George Hadjinicola
Department of Public and Business Administration,
University of Cyprus, University Avenue 1, CY 2109,
Aglantzia, Cyprus

and

Vasilis Theocharakis
ALBA Graduate Business School,
Athens Avenue & Areos Street,
16671 Vouliagmeni, Athens, Greece

IJMBE International Journal of Management, Business, and Economics

The Diversity of the POM Field as Reflected in the Evaluation of its Journals

by

Chris Voss
London Business School, Regent's Park,
London NW1 4SA, United Kingdom

Andreas Soteriou, George Hadjinicola
Department of Public and Business Administration,
University of Cyprus, University Avenue 1, CY 2109,
Aglantzia, Cyprus

and

Vasilis Theocharakis
ALBA Graduate Business School,
Athens Avenue & Areos Street,
16671 Vouliagmeni, Athens, Greece

Abstract

Journal rankings have been used as a mechanism to assist academic decision making. This paper complements the study by Theocharakis et al. (2007) and provides journal rankings for an extensive list 41 journals that publish Production and Operations Management (POM) research, based on the perceptions of researchers located worldwide. This list contains both academic and practitioner journals. Specifically, the paper provides rankings on journal quality and relevance based on a number of different factors including the nature of research work, society membership, research productivity, geographical location, and seniority. The findings clearly indicate that the above factors affect the way researchers perceive journal quality and relevance in the POM field. These results strengthen prior research that highlights the methodological and conceptual richness of the POM field and point towards the need to further investigate the underlying reasons behind this diversity.

Keywords: Diversity, Journal Ranking, Production and Operations Management

1. Introduction

Driven by the expansion of academic research and scholarly activity in the POM discipline over the past few years, a number of journal evaluation studies have appeared in the literature (Barman et al., 1991, 2001; Soteriou et al., 1999; Vokurka, 1996; Goh at al., 1996). Despite of the methodology used — based either on peer perceptions (e.g. Saladin, 1985; Barman et al. 1991, 2001), citation analysis (Goh at al., 1996, 1997; Vokurka, 1996; Stonebraker et al., 2011) or some combination (Gorman and Kanet, 2005; Petersen and Aase, 2011) — these journal evaluation studies can be helpful in academic decision making, including the establishment of criteria for promotion, tenure and merit compensation.

An important limitation that most of these studies share, which is often a source of criticism, is that the diversity of POM research is rarely addressed in journal rankings. Some researchers have already acknowledged the existence of different "schools of thought" and different approaches within the field of POM, relating among others, to differences in research traditions, methods of research, qualitative vs. quantitative approaches and integration vs. reductionism (Drejer et al., 2000; Sanders, 2009). In a rhetoric essay, Meredith (2009) acknowledges the evolvement of the POM field "… from optimisation (artificial reality) to empirical positivism (other people's reality) and now, apparently, interpretivism (direct reality)" (p.47). He concludes in his rhetoric that "…there is a role for all groups in the field" and that "…the natural roles of MS/OR, positivist, empiricism, and interpretivism will gradually emerge and feel much more natural and be easier to implement" (p.47). Existing journal evaluation studies rarely consider such important issues that directly impact journal evaluation and assist researchers in the POM field to appreciate and understand the concerns and approaches of their colleagues.

In an attempt to do so, Theoharakis et al. (2007) examine journal evaluation differences that stem not only from methodological and philosophical differences, but also from other differences such as geographical location, professional society membership and the nature of research itself. Based on examination of 11 journals, they show that differences exist in the way journal relevance and quality are viewed by: (i) modelers vs. empiricists, (ii) researchers in different geographical regions, (iii) members and non-members of POM-related professional societies, and (iv) level of publication in a journal. Their study exposed the heterogeneity present within the POM community with respect to quality and relevance of journals, and concluded that this heterogeneity should be taken into consideration when using journal evaluation.

This paper presents findings that complement the study by Theoharakis et al. (2007) in a number of ways. Important work in POM has appeared in a wide spectrum of journals beyond the limited list shown in the Theoharakis et al. (2007) study. This paper presents rankings based on an expanded list of 41 journals that publish POM-related work. The rankings presented in this paper also include practitioner oriented journals that were excluded by Theoharakis et al. (2007). Often, POM-related research that appears in practitioner oriented journals affects decision making in the business community. The rankings presented in this paper further strengthen and highlight the findings by Theoharakis et al. (2007), which call for caution when using journal rankings given the heterogeneity present among the POM community. Most importantly, this paper helps colleagues in the POM field appreciate and understand different approaches and points of view, a prerequisite for strengthening cooperation and team work that leads to the creation of knowledge.

The rest of this paper is organized as follows: Section 2 briefly presents the research methodology followed, followed by our findings and a related discussion. Section 3 presents concluding remarks.

2. Journal Rankings

2.1 Research Methodology

The research methodology for obtaining the rankings of POM journals is described in detail in Theoharakis et al. (2007). A survey instrument study was developed following the works of Barman et al. (1991) and Soteriou et al. (1999) as shown in Theoharakis et al. (2007). Researchers rated 41 POM-related journals on their relevance and quality. Respondents were also asked to identify their work as predominantly modeling or empirical in nature.

The study considered 11921 members of the main societies affiliated with the field of POM, namely INFORMS, the Decision Sciences Institute (DSI), the European Operations Management Association (EurOMA), and the Production & Operations Management Society (POMS), in 2002. After evaluating the responses, a total of 888 usable questionnaires were obtained in 52 countries.

2.2 Journal Rankings by Geographic Region

The overall (worldwide) results of the journal rankings for relevance are shown in Table 1 and for quality in Table 2. These tables present journal rankings as perceived by researchers in the three main geographic regions - North America, Europe, and Asia.

INSERT TABLES 1, 2 HERE

To test whether there were differences in the rankings across regions we examined the commonality and the correlation between the rankings of the top-12 and top-5 journals provided by each pair of regions. Commonality is measured by the number of journals common to a particular ranking set, for example, the top-5 or top-12, in each paired set of data examined. Each pair was tested for rank order correlations. Given the ordinal nature of the data, Spearman's rho was used to test for significant correlations between rankings. The data in Table 3a show that for the top-12 journals there is high commonality and a significant correlation between the rankings provided by European and North American respondents, both in relevance and quality. A similar picture prevails regarding quality between Asia and the other two regions. When it comes to ranking the top-5 journals, there is high commonality between all pairs of regions, except for the case of relevance provided by North Americans and Asian researchers. For the case of quality, *Management Science* and *Operations Research* are ranked as the top two journals in all geographic regions, but differences are observed in the next three journals of the regional lists. For relevance, the differences are greater. For example, researchers in North America have ranked the *Journal of Operations Management* as the most relevant journal in the field, while European researchers have clearly showed a preference for *International Journal of Operations and Production Management*, by ranking it first.

In summary, we conclude that there are similarities in the way North American and European researchers rank POM journals in terms of quality and relevance (as evident from the commonalities in the top-5 and top-12 lists). However, although we don't observe many differences regarding the content of the top of the lists, each journal is ranked differently by North American and European researchers.

INSERT TABLE 3 HERE

Table 4 provides a single ranking of journals where both quality and relevance carry equal weights, an approach also followed by Soteriou et al. (1999). Journals that have received high ratings for relevance or quality maintain their positions in the top of the list. The journals of *Management Science*, *Journal of Operations Management* and *Production and Operations Management* maintain their position in the top five, a finding consistent with that of Soteriou et al. (1999) and Goh et al. (1997).

INSERT TABLE 4 HERE

2.3 Journal Rankings of Empirical Researchers vs. Modelers

There is considerable heterogeneity amongst research approaches in any discipline and Operations Management is no exception. To address this, we asked the participants in the survey to describe the majority of their work, either modeling or empirical in nature.

Tables 5 and 6 present journal relevance perceptions, while Tables 7 and 8 present journal quality perceptions of modelers and empiricists located both worldwide and in the three geographic regions of North America, Europe and Asia. A comparison of the information in these two tables reveals that there are differences in the way modelers and empiricists evaluate journals on relevance and quality.

Modelers located worldwide view *Manufacturing and Service Operations Management* as the most relevant journal, where as empiricists view the *Journal of Operations Management* as the most relevant one. Furthermore, modelers located worldwide view *Management Science* as the journal with the highest quality, where as empiricists place the *Journal of Operations Management* on the top of their quality list. Differences are also present among modelers and empiricists within regions. For example, modelers based in the US view *Manufacturing and Service Operations Management* as the most relevant journal, where empiricists located in the US place the *Journal of Operations Management* on top of their relevant list.

We examined the correlation between the rankings of the top-5 and top-12 journals for modelers and empiricists. The results in Table 3b show that there is low commonality and no significant correlations, providing evidence that empiricists and modelers rank journals differently for both relevance and quality.

INSERT TABLES 5-8

It is also interesting to note that there are clear differences in journal rankings provided by empiricists and modelers in the middle and lower parts of the journal lists. In terms of quality, empiricists rated more highly many journals that are considered of high quality in other disciplines, such as the *Academy of Management Journal, Strategic Management Journal, Administrative Science Quarterly,* and *Organization Science*. On the other hand, modelers rated journals with strong quantitative content more highly than empiricists. The *European Journal of Operational Research* and the *International Journal of Production Economics* is a case in point: although ranked highly by empiricists it is ranked even higher by modelers. However, some journals, such as the *International Journal of Operations and Quantitative Management*, maintain their high position in terms of relevance both for empiricists and modelers.

We now examine whether these differences are sustained at the regional level. We examined commonality and rank order correlation of rankings of modelers and empiricists in each region (Table 3c). We observe that the number of common journals in the top-5 and top-12 lists is limited. However, modelers across regions appear to be consistent in their evaluation. For example, nine of the top ten journals ranked for quality are common for modelers in the three main geographic regions (Table 7), and the first ten journals ranked by modelers for relevance are common between North America and Europe (Table 5).

2.4 Journal Rankings by Society Membership

Journal relevance and quality ratings obtained by society members of INFORMS, DSI, POMS and EurOMA, appear in Tables 9 and 10. The data in Table 3d show high commonality for the top-12 journals and the presence of significant correlation between rankings for all societies on both quality and relevance. There are greater differences in the rankings of the top-5 journals. For quality these differences are confined to EurOMA whose rankings do not correlate with INFORMS or POMS. For example, IJOPM, which is the journal affiliated with EurOMA, is ranked higher by EurOMA members than by members of INFOMRS or POMS. This may reflect potential differences in research approach of European researchers from their North American counterparts (Drejer et al. 2000).

INSERT TABLE 9-10 HERE

2.5 Journal Rankings by Research Productivity

Earlier research suggests that only the most active researchers publish more than one refereed article per year in the Barman et al. (1991) list of journals (Young et al., 1996, p.53), To examine the perceptions according to research productivity, we used the following classification: (a) researchers with more than 1.51 articles per year on average, (b) between 1.01 and 1.5, (c) between 0.51 and 1.00, and (d) between 0 and 0.5. Journal perceptions for these four groups are shown in Tables 11-12. Following the approach discussed above, we examined commonality and rank order correlation, as presented in Table 3e. For the top-12 journals there is high commonality in all groups, a significant correlation between all groups on quality, but only some correlations in relevance. For the top-5 journals, the commonality is again high. It is interesting to note that eight of the ten most relevant journals are common to all four groups of researchers.

INSERT TABLES 11, 12 HERE

2.6 Journal Rankings by Academic Rank and Background

We investigated differences between rankings obtained by senior and junior researchers. Tables 13 and 14 present the relevance and quality ratings of the two groups. Analysis of commonality and rank order correlation (Table 3f) show that there is both high commonality and similarity of rankings between seniors and juniors in the top-12 journals. We note that for the case of journal relevance, the first 11 journals are common to both groups of researchers. There is also high commonality in the top-5 journals. In summary, the findings of the study suggest that there are no significant differences in the perceptions of senior and junior faculty regarding the relevance and quality of the journals of the POM field.

INSERT TABLES 13, 14 HERE

Tables 15 and 16 summarize the relevance and quality ratings by subject area of the highest academic degree of the respondents. Respondents have been classified in four groups whose highest academic degree is in Business Administration, Industrial Engineering (IE), Operations Research/Management Science (OR/MS) and POM. Analysis of commonality and rank order correlation (Table 3g) show different patterns for relevance and quality. For relevance there is high commonality among both the top-12 and top-5 lists. Strong rank order correlation also exists between all the groups in the top-12 list. This suggests that the relevance ratings of a POM journal obtained by researchers with a particular academic training are not different from those obtained by researchers of other academic training.

For quality there is a more complex pattern, although *Management Science* and *Operations Research* have been placed on the top of the list by all four groups of academics. However, differences exist in the top-12 list of the respondents whose background is business administration, and respondents with IE and OR/MS background. For example, while academics with a business administration and POM background place the *Journal of Operations Management* in the third and fourth positions, in the quality rankings, academics with an IE or an OR/MS background place it in the ninth and eleventh positions, respectively. In addition, academics with an IE or an OR/MS background have ranked *Mathematics of Operations Research* in the third place of the quality rankings. This points that the quality ratings of a POM journal obtained by researchers with a particular academic training could be different from those obtained by researchers of other academic training

INSERT TABLES 15-16 HERE

3. Concluding Remarks

As research in POM expands globally, it is imperative to capture the heterogeneity of scholarly activity in journal evaluation studies, which are used as a mechanism to assist academic decision making. This paper complements the study by Theocharakis et al. (2007) and provides quality and relevance journal rankings for 41 academic and practitioner journals that publish Production and Operations Management (POM) research, based on the perceptions of researchers located worldwide. The paper provides rankings on journal quality and relevance based on such factors as the nature of research work (empiricist vs. modelers), society membership, research productivity, geographical location, academic background and seniority.

In line with Theocharakis et al. (2007) the findings suggest that the above factors affect the way researchers perceive journal quality and relevance in the POM field. In particular, differences exist in journal rankings provided by researchers in the three main geographical regions of the study, North America, Europe and Asia. Differences are also evident when one considers factors such as the nature of research (empirical vs. modeling), research productivity, society membership and academic background.

A classic criticism of studies that present journal rankings is that they myopically promote comparisons among journals based on a single dimension, that is the perception of the researcher. The contribution of this paper lies not in the presentation of journal rankings in the form of absolute numbers, but rather in capturing an overall "feeling" of the POM community for its journals. More importantly, the paper shows that such rankings are affected by a number of factors, including the ones mentioned above.

These differences may stem from a number of sources, including differences in research traditions, methodological approaches but also others that need to be identified. Regardless of the source of these differences, our research shows that these do exist; as a result, our emphasis should now turn not only towards understanding their sources, but also towards understanding and appreciating the heterogeneity that characterizes our field. Drejer et al. (2000) argue that different research traditions have much to learn from one another, which can lead to major breakthroughs and advances in the POM field. They also suggest a number of practical ways that this learning can be achieved. Our paper further highlights these differences and points towards the need of POM researchers to acknowledge and understand the work of our counterparts and distant ourselves from non-constructive criticism.

References

Barman, S., Hanna, M.D., and LaForge, R.L, 2001. Perceived relevance and quality of POM journals: A decade later. *Journal of Operations Management*, 19(3), 367-385.

Barman, S., Tersine, R., and Buckley, M.R, 1991. An empirical assessment of the perceived relevance and quality of POM related journals by academicians. *Journal of Operations Management,* 10(2), 194-210.

Drejer, Anders, Blackmon, K., and Voss, C., 2000. "Worlds apart?" – a look at the operations management area on the US, UK, and Scandinavia. *Scandinavian Journal of Management*, 16, 45-66.

Goh, C., Holsapple, C., Johnson, L., and Tanner, J, 1996. An empirical assessment of influences on POM research. *Omega*, 24(3), 337-345.

Goh, C., Holsapple, C., Johnson, L., and Tanner, J, 1997. Evaluating and classifying POM journals. *Journal of Operations Management*, 15(2), 123- 138.

Gorman, M. F., and J.J. Kanet, 2005. Evaluating operations management-related journals via the author affiliation index. *Manufacturing & Service Operations Management*, 7(1), 3-19.

Meredith, J.R., 2009. Issues in the modeling-empiricism gap. *Journal of Supply Chain Management*, 45(1), 44-48.

Petersen, C.G. and Aase, G.R., 2011. Journal ranking analyses of operations management research. *International Journal of Operations and Production Management*, 31(4), 405-422.

Saladin, B., 1985. Operations management research: Where should we publish? *Operations Management Review*, 3(4), 3-9.

Sanders, N.R., 2009. Bridging the gap between methodological camps in supply chain management. *Journal of Supply Chain Management*, 45(1), 49-51.

Soteriou, A.C., Hadjinicola, G.C., and Patsia, K., 1999. Assessing production and operations management related journals: the European perspective. *Journal of Operations Management*, 17(2), 225—238.

Stonebraker, J.S.Gil, E., Kirkwood, C.W., and Handfield, R.B., 2011. Impact factor as a metric to assess journals where OM research is published. *Journal of Operations Management*, doi:1016/j.jom.2011.05.002.

Theoharakis, V., Voss, C., Hadjinicolas, G. C., and Soteriou, A. C., 2007. Insights on Factors Affecting Production and Operations Management (POM) Journal Evaluation, *Journal of Operations Management*, 25, 932-955.

Vokurka, R., 1996. The relative importance of journals used in operations management research: A citation analysis. *Journal of Operations Management*, 14(4), 345—355.

Young, S., Baird, B., and Pullman, M., 1996. Research productivity in U.S. business schools. *Journal of Operations Management*, 14(1), 41—53.

Table 1. Journal relevance ratings by geographic region.

Journal List	Worldwide			N. America			Europe			Asia		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
J of Operations Management	1	5,80	667	1	5,87	468	2	5,66	100	8	5,43	76
Production & Operations Mgmt	2	5,74	654	2	5,77	464	4	5,53	92	3	5,66	73
Interfaces	3	5,58	795	3	5,63	557	6	5,41	108	11	5,38	94
Manufact. & Service Oper. Mgmt	4	5,57	580	5	5,55	431	3	5,56	62	2	5,70	71
Intl J of Operat. & Production Mgmt	5	5,52	681	7	5,43	460	1	5,74	115	5	5,55	75
Production & Inventory Mgmt J	6	5,52	560	4	5,57	406	7	5,22	69	9	5,41	63
Intl J of Production Research	7	5,51	669	6	5,51	459	5	5,47	107	4	5,63	79
Management Science	8	5,25	834	10	5,19	574	9	5,06	126	1	5,79	99
IIE Transactions	9	5,23	742	8	5,24	533	12	5,01	102	6	5,51	84
European J of Operational Research	10	5,18	803	9	5,19	552	14	4,86	119	10	5,39	96
J of Supply Chain Mgmt	11	5,06	494	11	5,05	353	13	4,87	69	12	5,26	54
Harvard Business Review	12	5,06	755	12	5,04	525	8	5,22	116	19	4,87	82
Decision Sciences	13	4,94	727	13	5,02	514	20	4,51	103	16	4,93	81
Sloan Mgmt Review	14	4,94	630	14	4,93	439	10	5,05	96	22	4,76	71
Operations Research	15	4,89	769	15	4,81	535	15	4,72	109	7	5,46	95
Intl J of Production Economics	16	4,87	590	17	4,74	397	11	5,05	96	13	5,14	74
Naval Research Logistics	17	4,78	675	16	4,79	484	18	4,54	85	14	5,11	85
J of the Operational Res. Society	18	4,67	602	23	4,58	406	17	4,62	93	15	5,05	76
Intl J of Operatins & Quantitative Mgmt	19	4,66	369	18	4,66	258	21	4,50	50	18	4,88	49
Quality Mgmt J	20	4,65	328	19	4,65	236	24	4,33	40	24	4,74	42
Intl J of Quality & Reliability Mgmt	21	4,62	442	21	4,60	316	16	4,64	55	28	4,61	51
Omega	22	4,60	615	22	4,59	414	22	4,44	96	20	4,79	80
Intl J of Service Industry Mgmt	23	4,57	408	20	4,61	300	25	4,29	51	30	4,41	41
Integrated Manufacturing Systems	24	4,53	441	25	4,42	301	19	4,53	68	17	4,92	51
Transportation Science	25	4,46	516	24	4,42	366	27	4,14	64	21	4,77	64
Computers & Operations Research	26	4,32	620	26	4,24	432	26	4,20	85	25	4,72	79
Operations Research Letters	27	4,20	561	29	4,11	394	29	4,11	74	26	4,71	76
Computers & Indus.Engineering	28	4,19	590	28	4,12	425	28	4,11	72	27	4,71	75
Intl J of Tehnology Mgmt	29	4,10	388	32	4,02	273	23	4,43	53	33	4,04	47
J of Service Research	30	4,09	343	27	4,17	263	34	3,79	34	36	3,76	37
J of Productivity Analysis	31	4,08	364	30	4,11	264	35	3,68	40	32	4,09	43
J of Service Industries	32	4,06	344	31	4,10	260	33	3,81	37	34	3,85	34
Computers & Inventory Mgmt J	33	4,06	409	33	3,97	300	31	3,88	48	23	4,75	48
Intl Transactions in Operational Res	34	3,98	428	34	3,90	288	32	3,87	68	29	4,54	52
Location Science	35	3,72	371	35	3,64	272	36	3,67	39	31	4,13	46
Strategic Management J	36	3,71	452	36	3,58	319	30	4,09	66	38	3,65	49
Mathematics of Operations Res	37	3,52	600	37	3,48	421	37	3,33	81	35	3,84	76
J of Applied Math. & Decision Sci.	38	3,47	381	38	3,45	280	38	3,27	45	37	3,74	42
Organization Science	39	3,27	421	39	3,25	305	40	3,21	52	39	3,34	47
Academy of Management J	40	3,15	570	40	3,07	410	39	3,26	82	40	3,30	57
Administrative Science Quarterly	41	2,79	507	41	2,73	365	41	2,89	74	41	2,81	48

Table 6. Journal Quality Ratings by Geographic Region

Journal Ratings	Worldw ide			N. America			Europe			Asia		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
Management Science	1	6.32	828	1	6.36	569	1	6.09	125	1	6.45	99
Operations Research	2	6.20	762	2	6.20	532	2	6.00	108	2	6.42	93
Manufact. & Service Oper. Mgmt	3	5.54	567	3	5.59	423	4	5.49	61	7	5.31	67
Mathematics of Operations Res	4	5.48	579	5	5.44	411	3	5.52	75	3	5.74	72
Naval Research Logistics	5	5.40	665	4	5.46	480	9	4.95	81	6	5.51	84
IIE Transactions	6	5.38	730	7	5.38	527	6	5.12	98	4	5.72	82
J of Operations Management	7	5.36	660	6	5.39	462	5	5.44	99	15	4.89	76
European J of Operational Research	8	5.31	791	8	5.31	546	8	5.02	117	5	5.57	93
Production & Operations Mgmt	9	5.10	647	10	5.15	459	11	4.90	90	17	4.85	73
Decision Sciences	10	5.10	712	9	5.19	502	18	4.76	101	16	4.85	80
Transportation Science	11	5.04	506	11	5.01	359	13	4.87	62	9	5.27	63
Interfaces	12	4.95	783	12	4.94	549	21	4.66	105	12	5.12	93
Sloan Mgmt Review	13	4.93	620	13	4.90	434	19	4.73	95	11	5.19	68
Operations Research Letters	14	4.90	546	16	4.81	383	10	4.94	70	8	5.28	76
Intl J of Production Research	15	4.90	663	17	4.81	458	7	5.07	103	14	5.06	79
J of the Operational Res. Society	16	4.88	593	15	4.83	401	16	4.82	89	13	5.11	75
Harvard Business Review	17	4.87	743	14	4.86	516	23	4.55	115	10	5.21	80
Academy of Management J	18	4.70	538	18	4.72	395	12	4.89	71	23	4.25	52
Strategic Management J	19	4.63	441	19	4.59	311	14	4.86	65	24	4.19	47
Intl J of Operat. & Production Mgmt	20	4.46	670	23	4.32	455	15	4.85	110	22	4.27	75
Organization Science	21	4.46	398	20	4.44	291	20	4.70	47	21	4.33	43
Omega	22	4.42	605	22	4.35	407	24	4.45	94	19	4.54	80
Administrative Science Quarterly	23	4.41	478	21	4.38	349	17	4.77	66	27	4.00	44
Intl J of Production Economics	24	4.32	577	24	4.14	387	22	4.63	95	18	4.59	73
Computers & Operations Research	25	4.09	601	25	3.99	418	26	4.13	80	20	4.47	79
Production & Inventory Mgmt J	26	3.96	547	26	3.90	396	29	3.88	69	25	4.15	60
Quality Mgmt J	27	3.90	317	27	3.89	229	33	3.76	37	28	3.88	41
Location Science	28	3.88	355	29	3.86	263	30	3.86	35	30	3.84	43
J of Applied Math. & Decision Sci.	29	3.87	359	28	3.86	264	27	4.02	41	34	3.73	40
Intl J of Quality & Reliability Mgmt	30	3.87	426	30	3.82	306	28	3.90	52	29	3.86	50
J of Supply Chain Mgmt	31	3.82	481	31	3.80	343	35	3.71	68	32	3.77	52
Intl Transactions in Operational Res	32	3.78	409	34	3.71	276	34	3.72	64	26	4.12	50
Intl J of Service Industry Mgmt	33	3.78	396	32	3.76	294	31	3.85	47	38	3.60	40
Intl J of Operatins & Quantitative Mgmt	34	3.74	355	33	3.74	249	32	3.79	48	36	3.68	47
Integrated Manufacturing Systems	35	3.73	417	35	3.68	284	36	3.66	64	31	3.77	48
Intl J of Tehnology Mgmt	36	3.61	374	39	3.48	266	25	4.14	49	37	3.64	45
Computers & Indus.Engineering	37	3.58	575	37	3.57	415	39	3.47	68	33	3.76	74
J of Service Research	38	3.57	330	36	3.59	254	37	3.58	31	39	3.42	36
J of Productivity Analysis	39	3.56	346	38	3.49	251	38	3.47	38	35	3.73	40
J of Service Industries	40	3.36	330	40	3.33	251	40	3.38	34	41	3.28	32
Computers & Inventory Mgmt J	41	3.20	389	41	3.16	286	41	3.19	43	40	3.32	47

Table 4. Weighted journal ratings (relevance and quality receive equal weights).

Journal Ratings	Worldwide		N. America		Europe		Asia	
	Rank	Weighted Mean	Rank	Weighted Mean	Rank	Weighted Mean	Rank	Weighted Mean
Management Science	1	5,79	1	5,77	1	5,57	1	6,12
J of Operations Management	2	5,58	2	5,63	2	5,55	10	5,16
Manufact. & Service Oper. Mgmt	3	5,55	3	5,57	3	5,53	4	5,51
Operations Research	4	5,54	4	5,50	4	5,36	2	5,94
Production & Operations Mgmt	5	5,42	5	5,46	7	5,22	8	5,25
IIE Transactions	6	5,30	6	5,31	8	5,07	3	5,62
Interfaces	7	5,27	7	5,29	9	5,03	9	5,25
European J of Operational Research	8	5,25	8	5,25	10	4,94	5	5,48
Intl J of Production Research	9	5,20	9	5,16	6	5,27	6	5,35
Naval Research Logistics	10	5,09	10	5,13	14	4,75	7	5,31
Decision Sciences	11	5,02	11	5,11	16	4,64	17	4,89
Intl J of Operat. & Production Mgmt	12	4,99	14	4,87	5	5,29	16	4,91
Harvard Business Review	13	4,96	12	4,95	12	4,88	12	5,04
Sloan Mgmt Review	14	4,94	13	4,92	11	4,89	15	4,98
J of the Operational Res. Society	15	4,77	17	4,71	15	4,72	11	5,08
Transportation Science	16	4,75	16	4,71	19	4,51	13	5,02
Production & Inventory Mgmt J	17	4,74	15	4,73	17	4,55	20	4,78
Intl J of Production Economics	18	4,59	21	4,44	13	4,84	18	4,86
Operations Research Letters	19	4,55	19	4,46	18	4,53	14	4,99
Omega	20	4,51	18	4,47	21	4,44	21	4,66
Mathematics of Operations Res	21	4,50	20	4,46	22	4,43	19	4,79
J of Supply Chain Mgmt	22	4,44	22	4,43	24	4,29	23	4,51
Quality Mgmt J	23	4,27	23	4,27	31	4,04	26	4,31
Intl J of Quality & Reliability Mgmt	24	4,25	24	4,21	25	4,27	28	4,23
Computers & Operations Research	25	4,21	27	4,12	26	4,16	22	4,59
Intl J of Operatins & Quantitative Mgmt	26	4,20	25	4,20	27	4,15	27	4,28
Intl J of Service Industry Mgmt	27	4,17	26	4,18	29	4,07	31	4,01
Strategic Management J	28	4,17	28	4,08	20	4,48	33	3,92
Integrated Manufacturing Systems	29	4,13	29	4,05	28	4,09	24	4,35
Academy of Management J	30	3,93	30	3,89	30	4,07	37	3,77
Computers & Indus.Engineering	31	3,89	32	3,85	35	3,79	29	4,23
Intl Transactions in Operational Res	32	3,88	34	3,80	34	3,79	25	4,33
Organization Science	33	3,87	33	3,84	32	3,96	36	3,83
Intl J of Tehnology Mgmt	34	3,85	36	3,75	23	4,29	35	3,84
J of Service Research	35	3,83	31	3,88	37	3,69	39	3,59
J of Productivity Analysis	36	3,82	35	3,80	40	3,57	34	3,91
Location Science	37	3,80	37	3,75	36	3,76	32	3,98
J of Service Industries	38	3,71	38	3,72	39	3,60	40	3,57
J of Applied Math. & Decision Sci.	39	3,67	39	3,65	38	3,65	38	3,73
Computers & Inventory Mgmt J	40	3,63	40	3,57	41	3,53	30	4,03
Administrative Science Quarterly	41	3,60	41	3,56	33	3,83	41	3,41

Table 5. Journal relevance ratings by modelers.

Journal List	Worldwide			N. America			Europe			Asia		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
Manufact. & Service Oper. Mgmt	1	5,83	342	1	5,85	248	2	5,91	35	2	5,75	53
Interfaces	2	5,79	463	2	5,78	320	1	5,92	59	7	5,62	68
Management Science	3	5,73	472	5	5,71	323	4	5,55	64	1	6,00	69
Production & Operations Mgmt	4	5,71	347	4	5,74	250	3	5,61	38	6	5,63	51
J of Operations Management	5	5,65	354	3	5,75	253	5	5,52	42	14	5,25	53
Intl J of Production Research	6	5,57	375	6	5,57	261	6	5,45	49	4	5,68	56
IIE Transactions	7	5,51	430	7	5,52	311	8	5,29	49	3	5,73	60
Production & Inventory Mgmt J	8	5,42	293	8	5,42	208	7	5,39	33	10	5,38	45
European J of Operational Research	9	5,42	483	9	5,40	331	9	5,26	66	8	5,51	69
Operations Research	10	5,37	473	10	5,32	321	10	5,25	67	5	5,67	69
Intl J of Operat. & Production Mgmt	11	5,34	352	11	5,32	244	11	5,22	46	9	5,46	52
Naval Research Logistics	12	5,12	433	13	5,15	302	15	4,85	55	11	5,29	66
Decision Sciences	13	5,07	391	12	5,15	278	16	4,85	47	20	4,88	56
Intl J of Production Economics	14	5,04	334	15	4,96	227	12	5,20	45	15	5,13	53
J of the Operational Res. Society	15	5,02	365	14	4,98	245	14	4,89	55	13	5,25	52
Harvard Business Review	16	4,97	394	16	4,95	283	13	5,09	46	16	4,95	55
J of Supply Chain Mgmt	17	4,92	248	17	4,85	175	19	4,64	28	12	5,28	39
Sloan Mgmt Review	18	4,82	321	18	4,82	231	17	4,83	35	22	4,79	48
Intl J of Operatins & Quantitative Mgmt	19	4,75	211	19	4,77	146	22	4,48	25	17	4,94	36
Transportation Science	20	4,70	335	20	4,68	237	21	4,55	38	24	4,76	49
Computers & Operations Research	21	4,67	395	23	4,57	265	18	4,66	56	18	4,93	59
Omega	22	4,61	346	22	4,62	232	25	4,35	51	19	4,91	56
Integrated Manufacturing Systems	23	4,58	220	25	4,53	153	23	4,44	25	21	4,83	36
Operations Research Letters	24	4,55	366	26	4,49	250	20	4,63	48	23	4,77	60
Intl J of Quality & Reliability Mgmt	25	4,54	224	21	4,62	162	27	4,21	19	29	4,38	37
Intl J of Service Industry Mgmt	26	4,47	199	24	4,55	146	28	4,11	18	31	4,27	30
Quality Mgmt J	27	4,45	172	27	4,49	125	30	4,00	16	28	4,50	28
Computers & Indus.Engineering	28	4,43	345	28	4,39	245	26	4,34	38	25	4,74	54
Computers & Inventory Mgmt J	29	4,29	215	31	4,15	150	24	4,39	23	26	4,70	37
Intl Transactions in Operational Res	30	4,21	241	30	4,18	154	29	4,03	40	27	4,54	39
J of Productivity Analysis	31	4,19	194	29	4,27	137	34	3,65	20	32	4,13	32
Intl J of Tehnology Mgmt	32	3,96	188	34	3,96	133	32	3,83	18	33	4,03	32
J of Service Research	33	3,96	180	32	4,12	134	37	3,18	17	36	3,69	26
Location Science	34	3,94	210	35	3,87	150	31	3,90	21	30	4,32	34
J of Service Industries	35	3,94	173	33	4,06	128	36	3,35	17	37	3,67	24
J of Applied Math. & Decision Sci.	36	3,83	203	36	3,85	146	33	3,78	23	35	3,81	31
Mathematics of Operations Res	37	3,75	394	37	3,77	270	35	3,50	56	34	3,82	56
Strategic Management J	38	3,41	222	38	3,44	163	38	3,14	22	38	3,38	32
Organization Science	39	3,13	217	39	3,18	159	39	2,79	24	39	3,23	30
Academy of Management J	40	2,81	270	40	2,78	204	40	2,64	25	40	3,03	35
Administrative Science Quarterly	41	2,47	238	41	2,49	178	41	2,33	24	41	2,47	30

Table 6. Journal relevance ratings by empiricists.

Journal List	Worldwide			N. America			Europe			Asia		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
J of Operations Management	1	6,29	112	1	6,23	87	2	6,50	14	1	6,29	7
Production & Inventory Mgmt J	2	5,92	93	2	5,95	75	8	5,67	9	7	5,67	6
Production & Operations Mgmt	3	5,88	111	3	5,85	87	5	5,83	12	5	5,88	8
Intl J of Operat. & Production Mgmt	4	5,80	111	4	5,62	84	1	6,67	15	9	5,50	8
Quality Mgmt J	5	5,47	58	6	5,36	44	11	5,43	7	2	6,00	6
Intl J of Production Research	6	5,43	96	7	5,35	74	6	5,83	12	15	5,00	7
J of Supply Chain Mgmt	7	5,40	91	5	5,38	73	15	5,22	9	8	5,57	7
Interfaces	8	5,25	111	8	5,30	87	16	5,18	11	26	4,75	8
Manufact. & Service Oper. Mgmt	9	5,25	88	10	5,08	73	3	6,17	6	3	6,00	7
Harvard Business Review	10	5,17	123	9	5,17	92	10	5,56	16	23	4,80	10
Sloan Mgmt Review	11	5,05	111	11	5,04	81	13	5,33	15	24	4,80	10
Intl J of Quality & Reliability Mgmt	12	4,99	80	15	4,75	64	4	6,00	9	6	5,80	5
Decision Sciences	13	4,98	118	12	4,90	92	21	4,92	13	10	5,33	9
Intl J of Service Industry Mgmt	14	4,94	81	13	4,79	68	7	5,75	8	13	5,25	4
Omega	15	4,82	96	14	4,77	74	19	5,10	10	28	4,57	7
IIE Transactions	16	4,73	101	16	4,70	80	23	4,85	13	16	5,00	6
European J of Operational Research	17	4,72	100	17	4,63	78	24	4,73	11	17	5,00	7
Intl J of Production Economics	18	4,65	88	20	4,42	67	12	5,36	11	18	5,00	7
Intl J of Operatins & Quantitative Mgmt	19	4,63	49	18	4,50	38	14	5,33	6	32	4,25	4
Integrated Manufacturing Systems	20	4,54	76	23	4,36	59	22	4,91	11	11	5,33	3
Management Science	21	4,53	118	22	4,38	90	18	5,13	15	25	4,78	9
J of Service Industries	22	4,50	64	19	4,42	55	20	5,00	5	29	4,50	2
J of Service Research	23	4,49	61	21	4,38	52	9	5,60	5	35	4,00	3
Intl J of Tehnology Mgmt	24	4,37	71	24	4,23	57	17	5,17	6	30	4,43	7
Strategic Management J	25	4,20	90	25	4,13	67	27	4,46	13	34	4,14	7
J of Productivity Analysis	26	4,12	60	26	4,08	52	37	3,80	5	19	5,00	2
Transportation Science	27	3,98	63	27	3,85	52	26	4,50	6	20	5,00	3
Computers & Inventory Mgmt J	28	3,84	69	29	3,77	60	34	4,17	6	4	6,00	2
Naval Research Logistics	29	3,80	76	30	3,70	64	28	4,43	7	33	4,25	4
Operations Research	30	3,79	90	34	3,53	73	25	4,63	8	22	4,83	6
Computers & Indus.Engineering	31	3,79	80	32	3,62	65	29	4,43	7	14	5,17	6
Organization Science	32	3,76	79	28	3,79	61	38	3,63	8	37	3,86	7
Academy of Management J	33	3,72	116	31	3,63	88	31	4,33	15	39	3,33	9
J of the Operational Res. Society	34	3,67	78	35	3,41	61	30	4,38	8	31	4,33	6
Computers & Operations Research	35	3,61	74	33	3,54	63	32	4,33	6	36	4,00	4
Intl Transactions in Operational Res	36	3,56	64	36	3,35	54	33	4,33	6	12	5,33	3
Operations Research Letters	37	3,47	64	37	3,34	53	35	3,86	7	27	4,67	3
Administrative Science Quarterly	38	3,24	101	38	3,15	78	39	3,58	12	40	3,14	7
Location Science	39	3,23	56	39	3,10	49	40	3,25	4	21	5,00	2
Mathematics of Operations Res	40	3,04	71	40	2,82	57	36	3,83	6	38	3,83	6
J of Applied Math. & Decision Sci.	41	2,85	60	41	2,75	51	41	3,17	6	41	3,00	2

Table 7. Journal quality ratings by modelers.

Journal List	Worldwide			N. America			Europe			Asia		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
Management Science	1	6,56	470	1	6,57	322	1	6,46	63	1	6,64	69
Operations Research	2	6,52	472	2	6,53	321	2	6,34	67	2	6,63	68
Mathematics of Operations Res	3	5,89	389	4	5,86	268	3	6,00	55	3	5,91	55
Manufact. & Service Oper. Mgmt	4	5,83	341	3	5,93	246	4	5,86	36	9	5,36	53
Naval Research Logistics	5	5,61	431	5	5,67	301	7	5,24	55	6	5,65	65
IIE Transactions	6	5,57	426	6	5,53	309	5	5,42	48	4	5,88	59
European J of Operational Research	7	5,46	479	7	5,45	328	9	5,17	66	5	5,65	68
Transportation Science	8	5,36	331	8	5,33	234	6	5,39	38	8	5,38	48
Operations Research Letters	9	5,21	360	9	5,16	245	8	5,23	47	7	5,38	60
Interfaces	10	5,06	457	13	5,00	317	10	5,00	57	11	5,24	67
J of the Operational Res. Society	11	5,05	363	10	5,06	244	13	4,76	54	10	5,27	52
J of Operations Management	12	4,95	352	11	5,03	251	11	4,93	42	17	4,49	53
Production & Operations Mgmt	13	4,91	346	14	4,98	249	14	4,73	37	15	4,69	52
Decision Sciences	14	4,89	384	12	5,01	272	15	4,60	47	16	4,53	55
Sloan Mgmt Review	15	4,78	317	15	4,73	231	17	4,53	34	13	5,13	45
Harvard Business Review	16	4,77	389	16	4,72	279	18	4,38	47	12	5,21	53
Intl J of Production Research	17	4,76	369	17	4,66	259	12	4,85	46	14	5,05	56
Intl J of Production Economics	18	4,28	331	22	4,17	226	16	4,53	45	20	4,38	52
Omega	19	4,27	345	19	4,27	231	22	4,08	50	19	4,44	57
Computers & Operations Research	20	4,26	392	23	4,17	263	19	4,29	55	18	4,47	59
Academy of Management J	21	4,16	252	18	4,32	197	29	3,45	20	30	3,63	30
Strategic Management J	22	4,16	212	20	4,25	157	25	3,90	20	27	3,70	30
Organization Science	23	4,15	205	21	4,22	153	24	3,90	21	21	4,07	27
Location Science	24	4,06	203	24	4,05	146	23	4,00	19	24	4,03	33
J of Applied Math. & Decision Sci.	25	4,04	194	25	4,04	141	20	4,29	21	26	3,76	29
Intl J of Operat. & Production Mgmt	26	4,03	345	27	3,98	242	21	4,14	42	25	4,00	52
Administrative Science Quarterly	27	3,85	225	26	4,02	173	36	3,15	20	38	3,33	27
Intl Transactions in Operational Res	28	3,80	234	28	3,75	151	27	3,66	38	23	4,05	38
Production & Inventory Mgmt J	29	3,80	288	29	3,74	205	26	3,69	32	22	4,07	44
Intl J of Quality & Reliability Mgmt	30	3,65	217	30	3,70	158	37	3,11	18	28	3,67	36
Integrated Manufacturing Systems	31	3,60	209	32	3,60	145	32	3,35	23	31	3,63	35
Computers & Indus.Engineering	32	3,57	341	33	3,59	242	31	3,38	37	29	3,67	54
Quality Mgmt J	33	3,54	166	31	3,61	122	39	2,93	14	35	3,56	27
J of Supply Chain Mgmt	34	3,54	243	34	3,56	172	38	3,11	27	34	3,61	38
J of Productivity Analysis	35	3,52	186	37	3,52	131	35	3,17	18	32	3,61	31
Intl J of Operatins & Quantitative Mgmt	36	3,50	203	35	3,54	142	30	3,39	23	36	3,46	35
Intl J of Service Industry Mgmt	37	3,48	194	36	3,52	145	34	3,19	16	37	3,34	29
Intl J of Tehnology Mgmt	38	3,35	185	39	3,26	134	28	3,50	16	33	3,61	31
J of Service Research	39	3,27	176	38	3,34	132	41	2,67	15	39	3,27	26
J of Service Industries	40	3,10	169	40	3,14	127	40	2,87	15	41	2,91	23
Computers & Inventory Mgmt J	41	3,07	207	41	3,01	146	33	3,20	20	40	3,22	36

Table 8. Journal quality ratings by empiricists.

Journal List	Worldwide			N. America			Europe			Asia		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
J of Operations Management	1	6,27	112	1	6,21	87	1	6,50	14	2	6,29	7
Management Science	2	6,16	118	2	6,14	90	2	6,33	15	3	6,22	9
Decision Sciences	3	5,74	117	3	5,70	91	13	5,54	13	4	6,11	9
Academy of Management J	4	5,70	115	4	5,66	87	7	5,87	15	5	6,00	9
Operations Research	5	5,53	89	7	5,41	73	9	5,75	8	1	6,60	5
Strategic Management J	6	5,53	89	6	5,45	66	12	5,62	13	6	5,86	7
Production & Operations Mgmt	7	5,50	109	5	5,51	86	17	5,27	11	17	5,13	8
Administrative Science Quarterly	8	5,41	98	8	5,25	75	6	6,00	12	7	5,71	7
Intl J of Production Research	9	5,24	97	11	5,11	75	8	5,83	12	14	5,29	7
Manufact. & Service Oper. Mgmt	10	5,20	85	10	5,11	71	5	6,17	6	16	5,17	6
Sloan Mgmt Review	11	5,18	111	9	5,16	81	22	5,13	15	9	5,50	10
Intl J of Operat. & Production Mgmt	12	5,17	111	14	4,99	85	3	6,21	14	23	4,88	8
Organization Science	13	5,08	78	13	5,02	60	14	5,50	8	10	5,43	7
European J of Operational Research	14	5,03	97	15	4,95	76	18	5,27	11	12	5,33	6
Harvard Business Review	15	4,98	122	12	5,07	92	28	4,73	15	24	4,80	10
IIE Transactions	16	4,94	99	16	4,94	78	29	4,69	13	8	5,67	6
Naval Research Logistics	17	4,74	72	17	4,70	63	21	5,20	5	25	4,67	3
Omega	18	4,70	93	19	4,58	72	23	5,00	10	18	5,00	7
Quality Mgmt J	19	4,67	57	20	4,58	43	24	5,00	7	19	5,00	6
Interfaces	20	4,63	110	18	4,69	86	36	4,18	11	27	4,50	8
Intl J of Production Economics	21	4,51	84	25	4,21	63	16	5,45	11	11	5,43	7
J of the Operational Res. Society	22	4,46	74	22	4,26	58	11	5,63	8	29	4,40	5
Mathematics of Operations Res	23	4,40	63	23	4,25	52	15	5,50	4	20	5,00	5
J of Supply Chain Mgmt	24	4,37	86	21	4,32	69	32	4,56	9	31	4,33	6
Intl J of Quality & Reliability Mgmt	25	4,35	80	26	4,20	64	20	5,22	9	26	4,60	5
Intl J of Operatins & Quantitative Mgmt	26	4,31	48	31	4,05	38	10	5,67	6	21	5,00	3
Transportation Science	27	4,31	62	24	4,24	51	33	4,50	6	13	5,33	3
Intl J of Service Industry Mgmt	28	4,30	80	27	4,19	68	19	5,25	8	32	4,33	3
J of Service Research	29	4,26	58	28	4,12	49	4	6,20	5	40	3,33	3
Operations Research Letters	30	4,20	60	30	4,08	51	25	5,00	5	22	5,00	3
Production & Inventory Mgmt J	31	4,12	92	29	4,08	74	37	4,10	10	30	4,40	5
Integrated Manufacturing Systems	32	4,05	73	33	3,88	57	27	4,82	11	28	4,50	2
J of Service Industries	33	3,95	61	32	3,88	52	34	4,40	5	33	4,00	2
Computers & Operations Research	34	3,94	64	34	3,78	55	26	5,00	4	15	5,25	4
Intl J of Tehnology Mgmt	35	3,79	68	35	3,75	55	30	4,67	6	41	3,33	6
Computers & Indus.Engineering	36	3,74	74	36	3,69	61	35	4,33	6	35	3,80	5
J of Productivity Analysis	37	3,66	58	37	3,62	50	39	3,80	5	34	4,00	2
Computers & Inventory Mgmt J	38	3,56	63	38	3,55	55	40	3,80	5	37	3,50	2
Intl Transactions in Operational Res	39	3,55	60	41	3,43	51	31	4,60	5	36	3,67	3
J of Applied Math. & Decision Sci.	40	3,52	52	39	3,47	45	38	4,00	4	38	3,50	2
Location Science	41	3,48	54	40	3,45	47	41	3,75	4	39	3,50	2

Table 13. P-values for testing the equality of the mean ratings provided by modelers with those provided by empiricists.
(The alternative hypothesis is that the mean ratings provided by empiricists are less than the mean ratings provided by modelers.)

Journal List	Worldwide		N. America		Europe		Asia	
	Rel	Qual	Rel	Qual	Rel	Qual	Rel	Qual
Decision Sciences	0.3009	1.0000[E]	0.0901	1.0000[E]	0.5616	0.9888[E]	0.8175	1.0000[E]
European J of Operational Research	0.0000[M]	0.0010[M]	0.0000[M]	0.0007[M]	0.0986	0.5980	0.1975	0.2906
IIE Transactions	0.0000[M]	0.0000[M]	0.0000[M]	0.0000[M]	0.1529	0.0491	0.1295	0.3146
Intl J of Operat. & Production Mgmt	0.9997[E]	1.0000[E]	0.9762	1.0000[E]	1.0000[E]	1.0000[E]	0.5286	0.9633[E]
J of Operations Management	1.0000[E]	1.0000[E]	0.9996[E]	1.0000[E]	0.9999[E]	1.0000[E]	0.9871[E]	1.0000[E]
Management Science	0.0000[M]	0.0002[M]	0.0000[M]	0.0008[M]	0.1901	0.3066	0.0392	0.1755
Manufact. & Service Oper. Mgmt	0.0003[M]	0.0000[M]	0.0000[M]	0.0000[M]	0.6847	0.7923	0.6974	0.3968
Mathematics of Operations Res	0.0005[M]	0.0000[M]	0.0000[M]	0.0000[M]	0.6569	0.2259	0.5068	0.0821
Naval Research Logistics	0.0000[M]	0.0000[M]	0.0000[M]	0.0000[M]	0.2634	0.4761	0.1147	0.1355
Operations Research	0.0000[M]	0.0000[M]	0.0000[M]	0.0000[M]	0.1936	0.1016	0.1921	0.4514
Production & Operations Mgmt	0.9024	1.0000[E]	0.7767	0.9996[E]	0.7012	0.8504	0.6852	0.8378

[E] Favored by empiricists at the 0.01 significance level (the mean rating of empiricists is greater than the mean rating of modelers).

[M] Favored by modelers at the 0.01 significance level (the mean rating of modelers is greater than the mean rating of empiricists).

Table 9. Journal relevance ratings by professional society.

Journal List	DSI			EurOMA			INFORMS			POMS		
	Rank	Mean	Ratings	Rank	Mean	Ratings	Rank	Mean	Ratings	Rank	Mean	Ratings
J of Operations Management	1	6,13	327	2	5,74	84	2	5,72	499	1	5,88	301
Production & Operations Mgmt	2	5,93	313	3	5,45	84	1	5,76	496	2	5,82	309
Production & Inventory Mgmt J	3	5,76	294	9	5,02	65	7	5,45	421	4	5,51	263
Intl J of Operat. & Production Mgmt	4	5,69	313	1	5,74	97	8	5,39	501	3	5,54	296
Intl J of Production Research	5	5,55	303	5	5,20	82	5	5,53	511	7	5,42	287
Interfaces	6	5,52	331	8	5,03	74	3	5,70	637	6	5,45	311
Manufact. & Service Oper. Mgmt	7	5,41	264	6	5,17	47	4	5,67	479	5	5,47	256
Decision Sciences	8	5,29	346	15	4,66	80	12	5,02	560	13	4,93	310
J of Supply Chain Mgmt	9	5,23	254	14	4,68	60	13	4,99	365	11	4,99	235
European J of Operational Research	10	5,11	324	17	4,53	73	10	5,34	647	12	4,94	301
IIE Transactions	11	5,10	315	10	4,85	74	9	5,35	585	9	5,11	294
Quality Mgmt J	12	5,04	157	18	4,50	34	22	4,53	247	17	4,57	138
Harvard Business Review	13	5,03	337	4	5,43	97	15	4,96	566	8	5,25	315
Sloan Mgmt Review	14	4,89	299	7	5,15	85	17	4,87	469	10	5,07	282
Intl J of Service Industry Mgmt	15	4,86	223	19	4,47	47	26	4,44	302	16	4,63	202
Management Science	16	4,85	339	13	4,69	83	6	5,51	658	14	4,83	319
Intl J of Quality & Reliability Mgmt	17	4,81	219	12	4,73	49	23	4,53	331	19	4,55	199
Intl J of Production Economics	18	4,81	263	11	4,75	75	16	4,92	454	15	4,70	261
Intl J of Operatins & Quantitative Mgmt	19	4,78	156	23	4,31	36	19	4,69	288	21	4,33	147
Omega	20	4,74	287	22	4,34	70	20	4,61	476	18	4,57	258
Integrated Manufacturing Systems	21	4,61	209	20	4,43	63	24	4,52	329	23	4,29	198
Naval Research Logistics	22	4,54	280	26	3,94	51	14	4,97	556	20	4,40	269
J of the Operational Res. Society	23	4,40	259	24	4,00	57	18	4,82	488	24	4,28	238
J of Service Research	24	4,38	175	29	3,71	28	32	4,00	266	25	4,13	162
Operations Research	25	4,32	311	25	3,95	60	11	5,11	635	22	4,30	287
J of Service Industries	26	4,28	181	28	3,75	32	33	3,98	267	26	4,08	166
Intl J of Tehnology Mgmt	27	4,24	200	16	4,58	52	34	3,97	289	27	4,04	186
Transportation Science	28	4,15	213	31	3,59	39	21	4,56	440	28	3,99	212
J of Productivity Analysis	29	4,11	184	35	3,38	34	30	4,10	288	32	3,83	171
Computers & Operations Research	30	4,11	267	33	3,43	49	25	4,48	511	29	3,92	239
Computers & Inventory Mgmt J	31	4,07	207	30	3,62	39	29	4,14	317	31	3,86	189
Computers & Indus.Engineering	32	4,04	264	27	3,77	52	28	4,29	478	30	3,91	245
Intl Transactions in Operational Res	33	3,85	197	36	3,38	45	31	4,08	339	34	3,63	187
Location Science	34	3,74	186	38	3,16	32	35	3,82	295	36	3,48	170
Operations Research Letters	35	3,70	228	39	3,10	41	27	4,34	479	33	3,66	215
Strategic Management J	36	3,68	241	21	4,42	60	38	3,56	334	35	3,62	219
J of Applied Math. & Decision Sci.	37	3,22	192	41	2,62	37	37	3,59	303	40	2,91	175
Academy of Management J	38	3,18	302	32	3,54	79	40	3,12	418	37	3,09	269
Mathematics of Operations Res	39	3,18	232	40	2,70	43	36	3,60	510	38	3,03	235
Organization Science	40	3,15	213	34	3,39	41	39	3,26	329	39	2,99	194
Administrative Science Quarterly	41	2,75	265	37	3,16	67	41	2,75	370	41	2,66	241

Table 10. Journal quality ratings by profesional society.

Journal List	DSI			EurOMA			INFORMS			POMS	
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean
Management Science	1	6,27	336	1	5,88	82	1	6,44	654	1	6,26
Operations Research	2	5,93	311	3	5,38	58	2	6,34	632	2	5,90
J of Operations Management	3	5,87	324	2	5,77	84	9	5,14	492	4	5,56
Decision Sciences	4	5,69	344	4	5,26	77	13	4,96	547	7	5,24
Production & Operations Mgmt	5	5,40	310	5	5,15	84	12	5,02	489	5	5,40
European J of Operational Research	6	5,38	319	14	4,81	70	7	5,39	641	8	5,16
Manufact. & Service Oper. Mgmt	7	5,37	259	9	5,11	45	4	5,66	469	3	5,62
Naval Research Logistics	8	5,37	278	19	4,57	46	5	5,50	552	9	5,14
IIE Transactions	9	5,32	312	8	5,11	70	6	5,46	575	6	5,31
Intl J of Production Research	10	5,08	302	11	5,01	81	17	4,81	507	13	4,92
Academy of Management J	11	5,03	294	7	5,13	75	18	4,53	390	15	4,81
Sloan Mgmt Review	12	4,98	297	13	4,82	85	15	4,86	460	11	4,98
Strategic Management J	13	4,93	237	6	5,15	61	20	4,44	323	16	4,71
Harvard Business Review	14	4,92	333	15	4,71	96	16	4,81	556	12	4,96
Mathematics of Operations Res	15	4,90	224	22	4,46	37	3	5,67	495	10	4,98
Interfaces	16	4,87	327	17	4,67	73	11	5,03	628	14	4,85
J of the Operational Res. Society	17	4,79	255	16	4,67	52	14	4,92	486	18	4,58
Intl J of Operat. & Production Mgmt	18	4,69	311	10	5,03	96	24	4,17	492	21	4,44
Transportation Science	19	4,66	213	24	4,13	38	8	5,17	432	17	4,63
Administrative Science Quarterly	20	4,61	256	12	4,98	65	23	4,24	345	20	4,49
Omega	21	4,59	285	18	4,67	69	21	4,31	468	23	4,36
Organization Science	22	4,50	207	20	4,56	39	19	4,45	309	22	4,42
Operations Research Letters	23	4,45	220	25	4,13	38	10	5,05	468	19	4,52
Intl J of Production Economics	24	4,36	257	21	4,54	74	22	4,25	445	24	4,17
Quality Mgmt J	25	4,09	155	27	4,03	33	31	3,67	238	28	3,80
Computers & Operations Research	26	4,08	255	33	3,69	45	25	4,13	500	26	3,83
Intl J of Operatins & Quantitative Mgmt	27	4,06	151	32	3,77	35	33	3,65	276	34	3,57
Intl J of Service Industry Mgmt	28	4,04	222	28	3,89	46	35	3,54	293	25	3,87
Production & Inventory Mgmt J	29	4,01	291	31	3,78	65	28	3,81	409	30	3,74
Intl J of Quality & Reliability Mgmt	30	3,97	217	23	4,15	48	30	3,78	317	27	3,82
J of Supply Chain Mgmt	31	3,95	250	29	3,82	60	34	3,63	356	29	3,74
Location Science	32	3,84	182	38	3,50	30	26	3,96	282	31	3,71
Integrated Manufacturing Systems	33	3,80	201	30	3,80	59	32	3,65	308	33	3,60
J of Service Research	34	3,74	171	35	3,62	26	39	3,43	257	32	3,65
J of Applied Math. & Decision Sci.	35	3,70	181	34	3,66	35	27	3,92	286	35	3,54
Intl J of Tehnology Mgmt	36	3,70	196	26	4,08	50	38	3,44	280	36	3,53
Intl Transactions in Operational Res	37	3,69	190	36	3,57	42	29	3,80	325	37	3,46
Computers & Indus.Engineering	38	3,67	256	37	3,56	48	36	3,54	467	38	3,45
J of Productivity Analysis	39	3,51	181	39	3,31	32	37	3,50	274	39	3,36
J of Service Industries	40	3,49	177	40	3,30	30	40	3,22	256	40	3,34
Computers & Inventory Mgmt J	41	3,25	201	41	3,24	37	41	3,14	301	41	3,11

Table 18. Descriptive statistics of the mean relevance ratings of three groups of researchers based on their publication record in the journal. (P-values for testing the quality of the mean relevance ratings of the three groups. The alternative hypothesis is that the means are not the same.)

Journal List	Group A			Group B			Group C			p value of difference of means			
	No journal publication			Up to two journal publications			More than two journal publications						
	Mean	St.Dev	# of Ratings	Mean	St.Dev	# of Ratings	Mean	St.Dev	# of Ratings	$\mu_A=\mu_B$	$\mu_A=\mu_C$	$\mu_B=\mu_C$	$\mu_A=\mu_B=\mu_C$
Management Science	5.16	1.701	626	5.40	1.673	144	5.88	1.266	64	0.1269	0.0001	0.0245	0.0025*
Interfaces	5.55	1.317	686	5.77	1.209	96	5.62	1.193	13	0.1061	0.8571	0.6657	0.3102
Manufact. & Service Oper. Mgmt	5.51	1.460	534	6.26	1.049	43	6.67	0.577	3	0.0000*	0.0758	0.3475	0.0018*
Production & Inventory Mgmt J	5.40	1.372	460	6.01	1.321	68	6.31	0.931	32	0.0005*	0.0000*	0.1984	0.0000*
Intl J of Production Research	5.34	1.338	472	5.84	1.068	122	6.05	1.051	75	0.0000*	0.0000*	0.1799	0.0000*
IIE Transactions	5.04	1.328	553	5.78	1.058	132	5.81	1.008	57	0.0000*	0.0000*	0.8695	0.0000*
J of Operations Management	5.68	1.325	534	6.30	1.000	100	6.27	1.039	33	0.0000*	0.0034*	0.8955	0.0000*
European J of Operational Research	5.00	1.457	489	5.37	1.265	196	5.61	1.234	118	0.0010*	0.0000*	0.1026	0.0000*
Production & Operations Mgmt	5.68	1.259	544	6.04	1.305	96	6.00	1.664	14	0.0131	0.4879	0.9297	0.0285
Decision Sciences	4.79	1.424	564	5.38	1.496	130	5.94	1.345	33	0.0000*	0.0000*	0.0408	0.0000*
Intl J of Operat. & Production Mgmt	5.38	1.357	546	6.12	0.963	103	6.03	1.379	32	0.0000*	0.0140	0.0394	0.0000*

* Significant at the 0.01 level

Table 11. Journal relevance ratings by mean publication rate.

Journal List	1.51-			1.01-1.50			0.51-1.00			0.00-0.50		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
Manufact. & Service Oper. Mgmt	1	5,87	76	3	5,78	63	5	5,61	153	6	5,44	262
Production & Operations Mgmt	2	5,85	73	2	5,83	66	4	5,79	166	1	5,72	323
J of Operations Management	3	5,82	77	1	6,03	70	1	5,95	164	2	5,71	329
IIE Transactions	4	5,63	87	9	5,27	78	9	5,17	191	10	5,17	357
Management Science	5	5,55	87	8	5,28	82	11	5,17	199	9	5,20	430
Intl J of Production Research	6	5,55	82	4	5,64	76	7	5,51	174	5	5,51	313
Interfaces	7	5,54	84	6	5,53	76	3	5,80	193	4	5,52	407
Intl J of Operat. & Production Mgmt	8	5,49	86	7	5,35	66	6	5,60	161	3	5,59	340
Production & Inventory Mgmt J	9	5,41	69	5	5,55	58	2	5,92	135	7	5,40	275
European J of Operational Research	10	5,39	85	14	4,94	82	13	5,05	196	8	5,27	407
Harvard Business Review	11	5,16	79	11	5,16	69	8	5,19	191	13	4,97	383
Decision Sciences	12	5,06	77	13	5,00	77	15	4,97	179	15	4,88	367
Intl J of Production Economics	13	5,05	79	12	5,07	67	16	4,87	140	18	4,80	282
Operations Research	14	5,05	82	19	4,78	79	20	4,64	194	12	4,98	383
J of Supply Chain Mgmt	15	5,03	64	10	5,23	52	10	5,17	114	11	5,04	245
Naval Research Logistics	16	4,96	79	21	4,71	75	22	4,59	174	16	4,85	319
Sloan Mgmt Review	17	4,95	76	18	4,80	60	14	5,03	157	14	4,95	312
Intl J of Operatins & Quantitative Mgmt	18	4,62	52	26	4,37	35	17	4,81	85	19	4,76	180
Omega	19	4,60	72	25	4,42	67	21	4,59	155	21	4,67	299
J of the Operational Res. Society	20	4,58	74	20	4,75	67	25	4,39	142	17	4,83	299
Integrated Manufacturing Systems	21	4,54	63	22	4,67	43	23	4,59	102	24	4,55	217
Intl J of Service Industry Mgmt	22	4,42	57	15	4,93	44	19	4,80	96	25	4,48	199
Computers & Operations Research	23	4,39	77	29	4,22	74	29	4,13	148	26	4,44	295
Transportation Science	24	4,33	73	32	4,13	52	24	4,48	122	23	4,58	247
Operations Research Letters	25	4,32	72	34	3,90	61	32	3,92	142	27	4,41	265
Intl J of Quality & Reliability Mgmt	26	4,24	59	17	4,84	45	18	4,80	107	22	4,65	214
Computers & Indus.Engineering	27	4,23	77	27	4,25	71	28	4,15	136	29	4,19	282
Quality Mgmt J	28	4,18	40	24	4,56	27	12	5,06	71	20	4,70	173
Computers & Inventory Mgmt J	29	4,12	57	31	4,14	44	34	3,87	98	32	4,12	194
Intl J of Tehnology Mgmt	30	4,11	53	28	4,23	40	30	4,10	83	31	4,14	199
Location Science	31	3,71	55	35	3,78	41	36	3,70	84	37	3,79	177
Intl Transactions in Operational Res	32	3,70	64	33	3,91	47	33	3,91	97	30	4,15	207
J of Service Industries	33	3,56	50	23	4,57	37	27	4,29	70	33	4,08	173
J of Service Research	34	3,53	49	16	4,87	39	26	4,32	74	34	4,05	167
Mathematics of Operations Res	35	3,38	76	36	3,35	68	40	3,12	146	38	3,77	286
Strategic Management J	36	3,38	61	37	3,31	42	35	3,79	100	35	3,89	229
J of Productivity Analysis	37	3,29	48	30	4,22	37	31	4,07	81	28	4,34	185
J of Applied Math. & Decision Sci.	38	3,09	54	38	3,13	40	38	3,16	80	36	3,80	190
Organization Science	39	2,84	56	39	3,05	44	37	3,31	93	39	3,45	211
Academy of Management J	40	2,66	70	40	2,82	55	39	3,15	130	40	3,31	291
Administrative Science Quarterly	41	2,25	65	41	2,44	50	41	2,69	122	41	3,04	249

Table 12. Journal quality ratings by mean publication rate.

Journal List	1.51-			1.01-1.51			0.51-1.00			0.00-0.50		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
Management Science	1	6,65	88	1	6,37	82	1	6,47	197	1	6,18	427
Operations Research	2	6,32	82	2	6,19	80	2	6,32	191	2	6,12	379
Manufact. & Service Oper. Mgmt	3	5,92	76	3	5,65	63	3	5,77	149	7	5,31	255
IIE Transactions	4	5,77	86	4	5,49	78	7	5,34	190	8	5,29	349
Naval Research Logistics	5	5,56	77	7	5,22	76	6	5,38	171	4	5,42	314
Mathematics of Operations Res	6	5,49	74	5	5,42	67	4	5,59	142	3	5,45	273
European J of Operational Research	7	5,45	86	9	5,18	82	8	5,21	193	5	5,37	400
Operations Research Letters	8	5,23	70	16	4,73	62	18	4,86	133	16	4,90	261
J of Operations Management	9	5,22	77	6	5,37	71	5	5,48	161	6	5,34	325
Transportation Science	10	5,11	72	14	4,81	53	9	5,19	118	12	5,03	242
Sloan Mgmt Review	11	4,87	75	12	4,84	61	14	5,00	152	15	4,94	308
Production & Operations Mgmt	12	4,85	75	10	5,04	68	10	5,19	160	10	5,16	318
Harvard Business Review	13	4,85	79	8	5,20	69	20	4,75	184	17	4,86	380
Decision Sciences	14	4,78	77	13	4,82	77	11	5,15	176	9	5,18	357
Strategic Management J	15	4,78	58	18	4,61	41	15	4,91	94	21	4,51	229
Interfaces	16	4,77	83	15	4,75	77	13	5,01	190	13	5,00	399
Intl J of Production Research	17	4,71	80	11	4,91	77	17	4,88	170	14	4,97	313
J of the Operational Res. Society	18	4,64	73	17	4,69	68	21	4,73	138	11	5,07	295
Academy of Management J	19	4,62	66	19	4,53	53	12	5,08	122	20	4,56	275
Organization Science	20	4,42	53	21	4,33	42	16	4,90	86	23	4,34	202
Administrative Science Quarterly	21	4,17	60	20	4,48	50	19	4,76	113	24	4,29	235
Intl J of Production Economics	22	4,11	80	22	4,27	67	24	4,29	136	22	4,40	274
Omega	23	4,00	72	24	4,15	67	23	4,31	151	19	4,65	295
Location Science	24	3,94	51	27	3,85	41	32	3,78	79	32	3,99	171
Computers & Operations Research	25	3,83	75	26	4,01	75	27	3,98	138	25	4,26	289
Intl J of Operat. & Production Mgmt	26	3,75	84	23	4,22	65	22	4,37	158	18	4,72	336
Intl Transactions in Operational Res	27	3,39	61	38	3,38	45	31	3,82	92	31	4,01	199
Production & Inventory Mgmt J	28	3,33	69	28	3,83	58	29	3,88	130	26	4,19	269
Integrated Manufacturing Systems	29	3,32	59	36	3,49	43	35	3,72	97	34	3,95	203
J of Supply Chain Mgmt	30	3,31	62	32	3,62	53	33	3,77	107	30	4,02	241
Computers & Indus.Engineering	31	3,25	75	35	3,50	72	38	3,53	131	38	3,70	274
J of Applied Math. & Decision Sci.	32	3,24	49	31	3,68	40	30	3,87	71	28	4,09	184
Intl J of Tehnology Mgmt	33	3,23	52	37	3,43	42	36	3,69	78	37	3,76	191
Intl J of Operatins & Quantitative Mgmt	34	3,22	50	40	3,17	36	34	3,75	80	29	4,06	173
Intl J of Quality & Reliability Mgmt	35	3,19	57	29	3,76	45	25	4,09	101	33	3,99	207
Quality Mgmt J	36	3,11	38	34	3,59	27	26	4,01	67	27	4,12	170
Intl J of Service Industry Mgmt	37	3,09	55	30	3,76	45	28	3,97	91	35	3,89	194
J of Service Research	38	3,09	46	25	4,08	39	37	3,69	68	39	3,58	166
J of Productivity Analysis	39	2,98	46	33	3,62	39	39	3,45	73	36	3,77	177
J of Service Industries	40	2,83	47	41	3,13	38	40	3,40	65	40	3,57	168
Computers & Inventory Mgmt J	41	2,69	54	39	3,18	44	41	3,00	92	41	3,43	185

Table 13. Journal relevance ratings by academic rank.

Journal List	Seniors			Juniors		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
J of Operations Management	1	5,77	440	1	5,94	163
Production & Operations Mgmt	2	5,75	429	2	5,87	162
Intl J of Production Research	3	5,60	443	8	5,39	163
Production & Inventory Mgmt J	4	5,57	377	6	5,55	132
Interfaces	5	5,53	512	3	5,78	196
Intl J of Operat. & Production Mgmt	6	5,51	443	5	5,67	168
Manufact. & Service Oper. Mgmt	7	5,48	368	4	5,76	155
IIE Transactions	8	5,19	475	10	5,37	188
Management Science	9	5,12	525	7	5,53	214
European J of Operational Research	10	5,08	509	9	5,38	199
J of Supply Chain Mgmt	11	5,07	319	11	5,26	123
Harvard Business Review	12	5,00	483	14	5,09	191
Decision Sciences	13	4,93	476	15	5,08	173
Sloan Mgmt Review	14	4,90	404	17	5,01	160
Intl J of Production Economics	15	4,83	382	13	5,10	144
Operations Research	16	4,75	493	12	5,12	191
Quality Mgmt J	17	4,71	226	22	4,62	68
Intl J of Quality & Reliability Mgmt	18	4,71	299	25	4,47	103
Naval Research Logistics	19	4,70	440	16	5,05	163
Intl J of Operatins & Quantitative Mgmt	20	4,65	250	20	4,77	81
J of the Operational Res. Society	21	4,62	411	18	4,80	130
Intl J of Service Industry Mgmt	22	4,61	274	24	4,56	94
Integrated Manufacturing Systems	23	4,58	299	26	4,45	99
Omega	24	4,58	412	19	4,79	140
Transportation Science	25	4,37	340	21	4,66	119
Computers & Operations Research	26	4,23	407	27	4,43	141
Computers & Indus.Engineering	27	4,18	389	32	4,13	144
Intl J of Tehnology Mgmt	28	4,15	263	35	3,96	85
J of Productivity Analysis	29	4,10	241	31	4,15	87
J of Service Industries	30	4,07	227	29	4,20	81
Computers & Inventory Mgmt J	31	4,07	281	36	3,92	91
J of Service Research	32	4,06	220	28	4,32	87
Operations Research Letters	33	4,01	367	23	4,60	139
Intl Transactions in Operational Res	34	3,90	290	30	4,15	93
Location Science	35	3,68	249	34	3,99	84
Strategic Management J	36	3,64	297	37	3,74	112
J of Applied Math. & Decision Sci.	37	3,31	255	38	3,60	84
Mathematics of Operations Res	38	3,27	397	33	4,01	140
Organization Science	39	3,18	276	39	3,38	103
Academy of Management J	40	3,00	374	40	3,33	138
Administrative Science Quarterly	41	2,63	341	41	2,95	115

Table 14. Journal quality ratings by academic rank.

Journal List	Seniors			Juniors		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
Management Science	1	6,27	522	1	6,54	213
Operations Research	2	6,15	491	2	6,37	188
Mathematics of Operations Res	3	5,42	384	4	5,74	136
IIE Transactions	4	5,39	470	6	5,45	186
Naval Research Logistics	5	5,37	434	5	5,58	161
J of Operations Management	6	5,36	437	7	5,44	162
Manufact. & Service Oper. Mgmt	7	5,35	360	3	6,01	153
European J of Operational Research	8	5,27	500	8	5,39	197
Decision Sciences	9	5,17	468	13	5,01	168
Production & Operations Mgmt	10	5,04	431	9	5,37	158
Intl J of Production Research	11	4,96	441	16	4,84	160
Sloan Mgmt Review	12	4,96	406	15	4,86	153
Interfaces	13	4,95	504	12	5,01	195
Transportation Science	14	4,93	336	10	5,32	117
Harvard Business Review	15	4,89	476	19	4,77	188
J of the Operational Res. Society	16	4,87	406	14	4,95	128
Operations Research Letters	17	4,84	360	11	5,14	132
Academy of Management J	18	4,68	352	17	4,84	131
Strategic Management J	19	4,62	293	18	4,77	108
Organization Science	20	4,48	265	21	4,65	96
Intl J of Operat. & Production Mgmt	21	4,46	436	22	4,48	167
Omega	22	4,44	412	23	4,44	136
Administrative Science Quarterly	23	4,38	322	20	4,67	110
Intl J of Production Economics	24	4,30	377	24	4,42	141
Computers & Operations Research	25	4,08	397	26	4,06	136
Quality Mgmt J	26	3,96	222	31	3,89	65
Location Science	27	3,94	239	30	3,93	82
Intl J of Quality & Reliability Mgmt	28	3,91	290	36	3,78	98
Production & Inventory Mgmt J	29	3,90	374	25	4,12	127
Intl Transactions in Operational Res	30	3,77	279	33	3,85	89
J of Applied Math. & Decision Sci.	31	3,77	244	27	4,04	78
Intl J of Service Industry Mgmt	32	3,76	267	35	3,78	91
J of Supply Chain Mgmt	33	3,75	314	28	4,03	119
Integrated Manufacturing Systems	34	3,72	282	34	3,82	95
Intl J of Operatins & Quantitative Mgmt	35	3,70	243	32	3,86	77
Intl J of Tehnology Mgmt	36	3,67	255	40	3,48	83
Computers & Indus.Engineering	37	3,54	384	39	3,57	138
J of Productivity Analysis	38	3,50	232	37	3,72	83
J of Service Research	39	3,42	215	29	3,98	85
J of Service Industries	40	3,27	221	38	3,60	77
Computers & Inventory Mgmt J	41	3,13	270	41	3,24	86

Table 15. Journal relevance ratings by highest academic degree.

Journal List	BUS			IE			ORMS			POM		
	Rank	Mean	Ratings	Rank	Mean	Ratings	Rank	Mean	Ratings	Rank	Mean	Ratings
J of Operations Management	1	6,02	126	2	5,75	69	3	5,68	183	1	5,82	181
Production & Operations Mgmt	2	5,87	122	5	5,63	72	1	5,80	183	2	5,74	177
Production & Inventory Mgmt J	3	5,65	112	9	5,45	58	4	5,61	159	6	5,51	145
Intl J of Operat. & Production Mgmt	4	5,58	127	7	5,55	73	8	5,40	190	4	5,59	179
Intl J of Production Research	5	5,51	114	4	5,65	86	6	5,59	186	7	5,37	172
Interfaces	6	5,40	139	1	5,76	92	5	5,60	245	5	5,57	180
Manufact. & Service Oper. Mgmt	7	5,26	102	3	5,70	66	2	5,78	176	3	5,60	150
Decision Sciences	8	5,14	140	18	4,95	74	18	4,86	212	14	4,92	185
Harvard Business Review	9	5,12	149	11	5,22	79	16	4,96	213	9	5,27	190
Management Science	10	5,08	145	8	5,48	98	7	5,51	249	13	4,93	195
J of Supply Chain Mgmt	11	5,04	101	14	5,06	52	12	5,07	129	8	5,30	135
Sloan Mgmt Review	12	5,04	130	13	5,08	66	19	4,80	167	12	5,05	171
IIE Transactions	13	5,01	123	6	5,61	98	10	5,26	221	10	5,11	177
European J of Operational Research	14	4,96	134	10	5,27	100	9	5,38	242	11	5,06	180
Intl J of Operatins & Quantitative Mgmt	15	4,60	40	22	4,58	44	17	4,91	108	22	4,45	120
Intl J of Production Economics	16	4,54	99	16	5,04	73	15	4,99	166	15	4,89	157
Omega	17	4,54	114	19	4,76	67	26	4,55	188	17	4,69	146
Intl J of Service Industry Mgmt	18	4,53	79	26	4,48	43	25	4,58	111	18	4,69	108
Quality Mgmt J	19	4,53	36	25	4,48	42	23	4,61	92	16	4,83	104
Operations Research	20	4,51	123	12	5,11	94	11	5,22	250	21	4,45	166
Intl J of Quality & Reliability Mgmt	21	4,38	82	23	4,55	50	20	4,79	121	19	4,65	114
J of the Operational Res. Society	22	4,34	100	17	4,96	71	13	5,03	190	25	4,28	138
Naval Research Logistics	23	4,27	108	15	5,06	82	14	5,01	219	20	4,59	155
Integrated Manufacturing Systems	24	4,26	76	20	4,69	51	22	4,75	124	23	4,42	112
J of Service Research	25	4,23	66	34	3,94	38	34	4,01	97	26	4,25	89
J of Service Industries	26	4,09	69	33	4,02	37	33	4,04	96	27	4,18	85
Intl J of Tehnology Mgmt	27	3,97	72	31	4,15	44	32	4,22	105	28	4,17	102
Computers & Operations Research	28	3,97	97	24	4,53	78	24	4,58	201	29	4,10	136
Transportation Science	29	3,95	80	28	4,44	57	21	4,78	178	24	4,32	116
J of Productivity Analysis	30	3,89	65	32	4,09	38	31	4,28	113	33	3,86	86
Computers & Indus.Engineering	31	3,81	95	21	4,69	86	28	4,36	176	31	3,98	133
Strategic Management J	32	3,72	93	35	3,94	44	38	3,63	120	36	3,68	129
Computers & Inventory Mgmt J	33	3,69	77	29	4,32	42	30	4,31	113	30	4,08	106
Intl Transactions in Operational Res	34	3,52	69	30	4,22	48	29	4,33	141	34	3,73	100
Academy of Management J	35	3,50	127	40	3,17	48	40	2,98	153	38	3,04	151
Location Science	36	3,48	66	38	3,65	39	35	3,92	117	35	3,69	93
Operations Research Letters	37	3,47	81	27	4,45	66	27	4,55	198	32	3,87	121
Organization Science	38	3,17	86	39	3,63	40	39	3,33	122	40	2,90	108
Mathematics of Operations Res	39	3,07	92	36	3,78	68	37	3,70	214	37	3,19	123
J of Applied Math. & Decision Sci.	40	3,02	66	37	3,75	38	36	3,86	122	39	2,91	90
Administrative Science Quarterly	41	2,93	110	41	2,65	45	41	2,78	138	41	2,67	135

Table 16. Journal quality ratings by highest academic field.

Journal List	BUS			IE			ORMS			POM		
	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings	Rank	Mean	# of Ratings
Management Science	1	6,29	144	1	6,44	98	1	6,44	249	1	6,30	193
Operations Research	2	6,03	124	2	6,37	93	2	6,38	249	2	5,97	163
J of Operations Management	3	5,60	124	9	5,26	70	11	5,05	182	4	5,56	179
Manufact. & Service Oper. Mgmt	4	5,40	101	5	5,72	66	4	5,61	171	3	5,65	148
Production & Operations Mgmt	5	5,35	123	17	4,89	72	14	4,89	181	7	5,27	176
Decision Sciences	6	5,29	140	13	5,13	74	16	4,74	207	5	5,32	183
Academy of Management J	7	5,27	123	19	4,55	44	19	4,36	146	16	4,78	139
IIE Transactions	8	5,11	123	4	5,77	99	7	5,43	216	6	5,29	174
Administrative Science Quarterly	9	5,08	107	25	4,26	42	25	4,15	130	23	4,37	126
Sloan Mgmt Review	10	5,05	131	14	5,12	64	13	4,90	167	12	4,87	167
Naval Research Logistics	11	5,02	108	6	5,64	83	5	5,57	216	9	5,24	151
Harvard Business Review	12	5,00	147	16	5,06	78	15	4,83	212	15	4,80	185
European J of Operational Research	13	4,99	133	7	5,50	99	6	5,43	241	8	5,26	176
Mathematics of Operations Res	14	4,97	89	3	5,87	66	3	5,84	211	10	5,04	118
Strategic Management J	15	4,95	92	24	4,36	42	18	4,38	117	14	4,82	126
Interfaces	16	4,84	139	15	5,10	92	12	5,00	239	13	4,84	178
Organization Science	17	4,72	83	18	4,65	37	21	4,31	119	24	4,30	99
Intl J of Production Research	18	4,67	116	11	5,20	88	17	4,74	182	11	4,95	167
Transportation Science	19	4,67	82	8	5,40	57	8	5,34	174	17	4,61	113
J of the Operational Res. Society	20	4,55	99	12	5,19	71	10	5,13	190	19	4,56	131
Intl J of Operat. & Production Mgmt	21	4,49	129	23	4,38	73	24	4,19	186	18	4,59	174
Omega	22	4,38	112	20	4,49	66	22	4,30	188	20	4,54	143
Operations Research Letters	23	4,25	80	10	5,22	65	9	5,28	195	21	4,53	115
Computers & Operations Research	24	3,89	91	22	4,42	78	23	4,20	198	28	3,86	131
Intl J of Production Economics	25	3,89	99	21	4,49	74	20	4,34	163	22	4,41	150
Production & Inventory Mgmt J	26	3,83	112	30	3,89	57	26	4,10	156	31	3,79	143
J of Supply Chain Mgmt	27	3,75	101	33	3,82	50	33	3,69	124	27	4,04	134
Intl J of Quality & Reliability Mgmt	28	3,71	80	31	3,89	49	30	3,86	118	29	3,86	108
Location Science	29	3,70	64	26	4,08	38	28	4,03	112	37	3,63	88
J of Service Research	30	3,69	67	39	3,45	37	39	3,34	97	30	3,81	80
Intl J of Service Industry Mgmt	31	3,66	79	37	3,54	42	34	3,64	109	26	4,10	104
Quality Mgmt J	32	3,61	36	28	4,05	41	36	3,58	89	25	4,11	99
Integrated Manufacturing Systems	33	3,59	73	34	3,76	49	32	3,70	115	32	3,78	107
J of Applied Math. & Decision Sci.	34	3,56	64	29	3,98	36	27	4,08	118	39	3,54	81
Intl J of Tehnology Mgmt	35	3,55	71	38	3,51	42	37	3,55	104	33	3,77	97
Intl J of Operatins & Quantitative Mgmt	36	3,44	41	35	3,69	41	31	3,80	103	38	3,62	116
J of Productivity Analysis	37	3,42	66	36	3,59	36	35	3,64	108	40	3,39	80
Intl Transactions in Operational Res	38	3,42	67	27	4,06	47	29	3,91	137	36	3,63	93
Computers & Indus.Engineering	39	3,40	92	32	3,87	85	38	3,46	173	34	3,65	129
J of Service Industries	40	3,22	69	40	3,35	36	40	3,18	94	35	3,65	80
Computers & Inventory Mgmt J	41	2,92	74	41	3,27	41	41	3,17	107	41	3,36	101

Table 3 Analysis of Rankings

		Commonality between	
	Criterion	Top 12 journals	Top 5 journals
Table 3a. Geographic Differences			
North America vs. Europe	Relevance	10*	3
	Quality	9**	3
North America vs. Asia	Relevance	11	1
	Quality	10*	3
Europe vs. Asia	Relevance	9	4
	Quality	8**	3*
Table 3b. Differences between Modellers and Empiricists Overall			
Modellers vs. Empiricists	Relevance	7	2
	Quality	3	2
Table 3c. Differences between Modellers vs. Empiricists by Region			
North America	Relevance	8	2
Europe	Relevance	7	3
Asia	Relevance	5	1
North America	Quality	5	1
Europe	Quality	5	2
Asia	Quality	4	2
Table 3d. Comparison between Professional Societies			
DSI vs. EurOMA	Relevance	8**	4
DSI vs. Informs	Relevance	10**	3
DSI vs. POMS	Relevance	10**	4*
EurOMA vs. POMS	Relevance	10**	3
EurOMA vs. Informs	Relevance	8	3
POMS vs. Informs	Relevance	9**	3
DSI vs. EurOMA	Quality	9**	5*
DSI vs. Informs	Quality	8*	2*
DSI vs. POMS	Quality	10**	4*
EurOMA vs. POMS	Quality	7*	3
EurOMA vs. Informs	Quality	6*	2
POMS vs. Informs	Quality	9*	3**
Table 3e. Comparison between Different Publication Rates			
1.51- vs. 1.01-.150	Relevance	10**	3
1.51 vs. .51 – 1.00	Relevance	10	3
1.51 – 0.00 – 0.50	Relevance	10	3
1.51- vs. 1.01-.150	Quality	10**	4
1.51 vs. .51 – 1.00	Quality	10**	3
1.51 – 0.00 – 0.50	Quality	10**	3

Table 3f. Seniors Versus Juniors			
	Relevance	11*	3
	Quality	9**	3

Table 3g. Subject of First Degree			
Business vs. IE	Relevance	9*	3
Business vs. ORMS	Relevance	9**	3
Business vs. POM	Relevance	10**	3*
IE vs. ORMS	Relevance	11*	4
IE vs. POM	Relevance	10*	4
ORMS vs. POM	Relevance	10*	4
Business vs. IE	Quality	6	3
Business vs. ORMS	Quality	6	3
Business vs. POM	Quality	9**	4
IE vs. ORMS	Quality	11**	4
IE vs. POM	Quality	9**	3
ORMS vs. POM	Quality	8*	3

** Spearman's Rho significant at the .01 level.
* Spearman's Rho significant at the .05 level.