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Research Article

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CORRELATION ANALYSIS BETWEEN JOURNAL METRICS AND SUBSCRIPTION PRICE FOR SELECTED JOURNALS

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Abstract

The given article gives an account on the correlation analysis between the journal metrics (SNIP, SJR, IF) and the subscription price for two groups of journals (114 Economics journals and 150 Mathematics and Computer Science journals) which were presented on Elsevier website in October 2016.

It was obtained that the correlation coefficients of the given journal metrics for the second group of journals were considerably lower in comparison with the first group of journals. It is due to the fact that the sales of Mathematics and Computer Science journals are less commercialized as compared to the sales of Economics journals. It was concluded that the lack of strong correlation between journal metrics and subscription price at the market of scientific periodicals is generally due to the fact that this kind of market is not elastic and over monopolized.

Key words: correlation analysis, journal metrics, SNIP, SJR, IF, subscription price, Economics Journal, Mathematics and Computer Science journals.

Introduction.

As E. Garfield (1972) puts it the primary goal of impact factor analysis was to improve the management of library journal collection. This is especially true to making budget decision making for the purchase of the most cost effective journals. An example of such a study is the work of Hue-Kyung Chung (2007). This study presents a method for journal collection evaluation using citation analysis, in which cost-per-use (CPU) for each title is used to measure cost effectiveness with higher CPU scores indicating cost effective titles. In this research the data are based on the impact factor and locally collected citation score of each title and is compared to the cost of managing and subscribing to journals.

Given methodology was developed by the same author in the research work (Chung, 2009). In it the analysis model for setting up a core journal collection for academic libraries is presented. The model uses multiple factors based on

the concept that convergence of data from all available sources should be used in core journal selection due to the inherent limitations of each source. The factors considered in the study are locally collected citations, local use, impact factor and subscription price.

There is a range of studies which study the correlation between citation-based and expert-based assessments of journals. S.Saha, S.Saint, and D.A. Christakis (2003) assessed the validity of impact factor as a measure of quality for nine general medical journals by testing its association with journal quality as rated by clinical practitioners (n=113) and researchers (n=151). The correlation between impact factor and physicians' ratings of journal quality was strong (R² =0, 82). The authors emphasize that apart of the impact factor subscription rates and readership rates are other potential proxies for journal quality, but these markers are limited by the fact that, for many journals, subscription is not related to physicians' desire to read the journals but rather to society membership, as well as to journal cost and availability.

In the other research work (Ahlgren, Waltman,2014) the Source Normalized Impact per Paper (SNIP), the Scimago Journal Rank 2 (SJR2) and the Raw Impact for Paper (RIP) indicators are used to assess sources based on their citations, while the Norwegian model is used to obtain expert-based source assessments.

It was found out that the sources at higher quality levels on average have substantially higher RIP, SNIP, and SJR2 values.

Thus, now there is the dominant view that the impact factor of the journal defines its quality though there are many studies that cast doubt on this claim (Seglen, 1997; Kurmis, 2003; Dong Loh, Mondry, 2005). So Per O Seglen (1997) writes that the journal impact factor would still be far from being a quality indicator: citation impact is primary a measure of scientific utility rather than of scientific quality and that for evaluation of scientific quality there seems to be no alternative to qualified experts reading the publications. In the other study (Kurmis, 2003) it is denoted that the extension of the impact factor to the assessment of journal quality or individual authors is inappropriate. In the study (Dong, Loh, Mondry, 2005) it is plainly stated: "It is generally understood that the higher the IF, the "better" the journal. As a result, journals with high If are often preferentially acquired in institutions where subscription funds are limited; researchers are keen to submit their work to journals with high IF to further their career; the editors of journals with high IF are swamped with manuscripts by researchers who want to publish only with the best, some funding agencies expect their scientists to publish in journals above a certain IF; and recruitment

officers tend to look for candidates with publications in high-IF journals."

Vladimir M. Moskovkin*et al. /International Journal of Pharmacy & Technology Nevertheless if we have an opinion that journal impact factor determines the quality of journals, then according to competitive market economic theory we can say that the bigger impact factor of the journal the higher is its subscription price. But it is evident that this statement was not respected up to the start of the 21st century because of there were a great deal of non profit publishers. Indeed in the study (Hartemink, 1999) it was mentioned that some recent correspondence to Nature suggested that journal prices and impact factors are inversely related (Abbort, 1999; Butler, 1999). It was found that the most expensive chemical/ medical journals had lowest impact factors. The analysis of 17 soil science journals conducted for connection against impact factor and prices for 1997 lead to the same functional reliance (Hartemink, 1999). It was due to the fact that 6 out of 17 soil science journals were published by non profit publishers and that is why they have low subscription price at relatively high impact factor

In addition to the above mentioned studies we denote the work (Bergstrom, Bergstrom, 2006), in which we can see the distribution of top ten journals in ecology, ranked by 2004 IF in dependence of the subscription price/page index. In the 21st century the majority of non profit publishers pass in to the hands of commercial publishers and the situation on the market of scientific periodicals started to change greatly. Unfortunately we haven't found the studies in which the correlation between journal impact factors and subscription price was studied using large samples. In this study we tried to fill a want in it.

Methodology

value.

October 19, 2016 we chose four subject areas of journals on the Elsevier website, such as: 1. All journals within Economics and Finance; 2. All journals within Business, Management and Accounting; 3. All journals within Mathematics; 4. All journals within Computer Science. We chose journals in each subject area of journals which had all data on SNIP, SJR and IF simultaneously, i.e. those journals which were included in the database of Scopus and Web of Science at the same time. Eventually in every subject areas, there were 77; 51; 90 and 102 journals, consequently. After that, we have combined two first and two second subject areas due to their similarity in content, and we've got_two aggregated subject areas (Table 1). Under such aggregation,_we have included the «Journal of Manufacturing Systems» additionally from the fourth subject area (All journals within Computer Science) to the first aggregated_subject area; the journal «Computers & Industrial Engineering» from the first subject area to the second aggregated subject area, and the «Journal of Economic Dynamics and Control» and the «Review of Economic dynamics» from the first subject area to the second aggregated_subject area.

As a result, we got 114 journals in the first aggregated subject area and 150 journals in the second aggregated subject area.

After that, we have done a correlation analysis between indicators of SNIP, SJR and IF, using the standard features of Excel, and also, we have calculated_the mean values of these indicators by aggregated subject areas to compare them with literature data.

Data of the journal subscription price was taken from Journal's websites on May 19, 2015 and October 19, 2016 that allowed to calculate the price growth of the journal subscription of their two aggregated subject areas over a longer than year's period of time.

Results and Discussion

Table 1 and Table 2 show the data of journal metrics for the first and the second aggregated subject areas of journals, and Table 3 and Table 4 show subscription prices for these journals.

Table 1: Data of journal metrics for the aggregated subject area « Journals within Economics, Finance Business, Management and Accounting». October 19, 2016

Journals within	SNIP	SJR	IF	Journals within	SNIP	SJR	IF
Economics,				Economics,			
Finance				Finance			
Business,				Business,			
Management				Management			
and Accounting				and Accounting			
Accounting,	2.813	2.515	2.464	International	2.495	1.173	2.692
Organizations &				Journal of			
Society				Information			
				Management			
Applied	1.882	1.212	1.713	International	0.980	1.085	0.866
Ergonomics				Journal of			
				Industrial			
				Organization			
Business	1.671	0.726	1.008	International	2.569	1.497	2.885
Horizons				Journal of Project			
				Management			
China Economic	1.186	0.997	1.116	International	1.573	3.004	1.833
Review				Journal of			
				Research in			

	7 10	141.	MOSKOVI	Marketing			
Communist and	1.232	0.666	0.308	International	1.362	0.890	1.846
Post-Communist				Review of			
Studies				Economics &			
				Finance			
Computers &	1.846	1.630	2.086	International	0.978	0.369	0.543
Industrial				Review of Law			
Engineering				and Economics			
Computers in	1.978	0.930	1.685	Japan and the	1.066	0.477	0.603
Industry				World Economy			
Decision Support	2.271	2.262	2.604	Journal of	3.507	6.834	3.535
Systems				Accounting and			
				Economics			
Ecological	1.512	1.733	3.227	Journal of	1.478	1.030	1.317
Economics				Accounting and			
				Public Policy			
Economic	1.024	0.815	0.997	Journal of Air	1.103	0.845	1.084
Modelling				Transport			
				Management			
Economic	0.933	0.420	0.701	Journal of	1.588	1.264	1.485
Systems				Banking and			
				Finance (JBF)			
Economics and	0.942	1.272	1.639	Journal of	1.889	1.682	2.129
Human Biology				Business			
				Research			
Emerging	1.641	0.879	1.549	Journal of	3.270	4.923	4.204
Markets Review				Business			
				Venturing			
Energy	1.898	2.350	4.292	Journal of Choice	0.648	0.549	1.056
				Modelling			
Energy	1.851	3.025	2.862	Journal of	1.382	1.066	1.380
Economics				Comparative			
				Economics			
Energy Policy	1.653	2.436	3.045	Journal of	1.669	2.973	2.009
				Consumer			
				Psychology			
European	1.405	1.712	1.095	Journal of	1.356	1.446	1.286

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Economic				Corporate Finance			
Review							
European	1.382	0.816	1.437	Journal of	1.519	1.003	1.034
Management				Destination			
Journal				Marketing &			
				Management			
Evaluation and	0.914	0.470	1.000	Journal of	2.508	2.840	1.837
Program				Development			
Planning				Economics			
Evolution and	1.395	1.942	3.223	Journal of	2.002	3.781	1.611
Human Behavior				Econometrics			
Explorations in	1.540	1.306	1.000	Journal of	1.362	1.425	1.374
Economic				Economic			
History				Behavior and			
				Organization			
Finance Research	0.663	0.405	0.480	Journal of	1.029	0.937	0.879
Letters				Economic			
				Dynamics and			
				Control			
Forest Policy and	1.207	1.195	1.552	Journal of	1.496	1.085	1.677
Economics				Economic			
				Psychology			
Futures	1.164	0.638	1.242	Journal of	1.489	2.587	1.097
				Economic Theory			
Games and	1.154	1.596	0.882	Journal of	1.041	0.879	0.907
Economic				Empirical Finance			
Behavior							
Human Resource	2.451	1.224	2.236	Journal of	1.706	1.079	1.474
Management				Engineering and			
Review				Technology			
				Management			
Industrial	1.385	1.413	1.930	Journal of	1.795	2.915	2.197
Marketing				Environmental			
Management				Economics and			
				Management			
Information and	1.919	1.381	2.163	Journal of Family	0.743	0.980	1.088
Management				Business Strategy			
			<u> </u>				

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Information and	1.640	1.306	1.419	Journal of	4.028	9.920	3.541
Organization				Financial			
				Economics			
Information	1.513	0.947	0.826	Journal of	1.734	1.861	2.145
Economics and				Financial			
Policy				Intermediation			
International	1.441	1.100	1.669	Journal of	1.644	3.233	1.726
Business Review				Financial Markets			
International	1.669	0.657	1.128	Journal of	1.791	1.264	1.689
Journal of				Financial Stability			
Accounting							
Information							
Systems							
International	1.777	1.198	1.626	Journal of Forest	0.992	0.746	1.185
Journal of				Economics			
Forecasting							
International	1.779	1.887	2.061	Journal of Health	2.258	2.292	2.339
Journal of				Economics			
Hospitality							
Management							
Journal of	0.668	0.353	0.375	Long Range	2.481	1.958	2.936
Hospitality,				Planning			
Leisure, Sport &							
Tourism							
Education -							
JoHLSTE							
Journal of	1.101	0.883	1.035	Management	2.715	1.913	2.286
Housing				Accounting			
Economics				Research			
Journal of	2.635	3.723	2.017	Omega	2.846	3.771	3.962
International							
Economics							
Journal of	1.266	0.872	1.051	Organizational	0.456	0.670	0.522
International				Dynamics			
Financial							
Markets,							
Institutions &							
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Journal of	1.427	1.829	1.982	Pacific-Basin	0.962	0.541	0.938
International				Finance Journal			
Management							
Journal of	1.624	1.316	1.524	Regional Science	1.335	1.328	1.024
International				and Urban			
Money and				Economics			
Finance							
Journal of	2.755	3.077	3.256	Research in	1.459	1.806	1.889
Interactive				Organizational			
Marketing				Behavior			
Journal of	0.936	0.618	0.714	Research in	1.193	1.126	1.379
Macroeconomics				Social			
				Stratification and			
				Mobility			
Journal of	2.248	1.190	2.240	Research Policy	3.126	3.536	3.470
Manufacturing							
Systems							
Journal of	0.605	0.579	0.434	Resource and	1.145	1.159	1.250
Mathematical				Energy			
Economics				Economics			
Journal of	2.216	4.150	2.488	Resources Policy	1.560	1.083	2.489
Monetary							
Economics							
Journal of	1.060	1.060	2.253	Review of	1.574	2.554	1.256
Nutrition				Economic			
Education and				Dynamics			
Behavior (JNEB)							
Journal of	3.290	5.052	4.000	Scandinavian	1.001	0.504	1.076
Operations				Journal of			
Management				Management			
Journal of Policy	1.068	0.935	0.986	Sport	1.561	0.805	1.193
Modeling				Management			
				Review			
Journal of Public	1.707	2.267	1.440	Technological	1.752	1.348	2.678
Economics				Forecasting and			
				Social Change			

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Journal of	1.661	2.359	2.562	Technovation	2.169	1.794	2.243
Purchasing &							
Supply							
Management							
Journal of	2.180	2.056	2.014	Telecommunicati	1.004	0.658	0.982
Retailing				ons Policy			
Journal of Stored	1.069	0.786	1.533	The Journal of	1.693	1.605	2.595
Products				Strategic			
Research				Information			
				Systems			
Journal of the	0.809	0.409	0.508	The Leadership	2.122	2.770	2.938
Japanese and				Quarterly			
International							
Economies							
Journal of Urban	2.225	2.434	2.121	The North-	0.785	0.578	1.360
Economics				American Journal			
				of Economics and			
				Finance			
Journal of	1.935	1.741	2.764	Tourism	2.876	2.450	3.140
Vocational				Management			
Behavior							
Journal of World	1.899	1.656	2.811	Utilities Policy	0.972	0.547	1.110
Business							
Labour	1.229	1.127	0.899	World	2.157	2.100	2.438
Economics				Development			

Table 2: Data of journal metrics for the aggregated subject area «Journals within Mathematics and Computer Science». October 19, 2016

Journals	SNIP	SJR	IF	Journals	SNIP	SJR	IF
within Mathematic				within Mathema			
s and Computer				tics and			
Science				Computer			
				Science			
Acta Mathematica	0.727	0.615	0.557	Computers &	1.846	1.630	2.086
Scientia				Industrial			
				Engineering			

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Ad Hoc Networks	2.144	0.967	1.660	Computers & Fluids	1.585	1.171	1.891
Advances in	1.249	1.054	0.833	Computers &	1.299	0.514	1.120
	1.219	1.05	0.033	_	1.2))	0.311	1.120
Applied				Graphics			
Mathematics							
Advances in	1.874	0.812	1.673	Computers &	1.357	1.092	1.398
Engineering				Mathematics with			
Software				Applications			
Advances in	1.995	3.261	1.405	Computers &	2.563	1.020	1.640
Mathematics				Security			
Annals of Pure and	1.335	1.190	0.582	Computers &	2.136	1.710	2.425
Applied Logic				Structures			
Annual Reviews in	4.985	2.443	2.042	Computers and	1.786	0.823	1.892
Control	, 60	2000		Electronics in	11,700	0.020	11072
Control							
		1.500	2 00 1	Agriculture	1.00	0.500	
Applied and	1.776	1.589	2.094	Computers in	1.207	0.589	1.521
Computational				Biology and			
Harmonic Analysis				Medicine			
Applied	1.612	1.318	2.291	Computers in	1.978	0.930	1.685
Mathematical				Industry			
Modelling							
Applied	1.203	1.008	1.345	Control	2.048	1.354	1.830
Mathematics and				Engineering			
Computation				Practice			
Computation				Tractice			
Applied	1.235	1.141	1.659	Cortex	1.417	2.469	4.314
	1.233	1.141	1.039	Contex	1.41/	2.409	4.314
Mathematics Letters	1255	1.25	4 4 7 4	F	2.112	1.252	1.700
Applied Numerical	1.266	1.254	1.414	Data &	2.412	1.258	1.500
Mathematics				Knowledge			
				Engineering			
Applied Soft	2.143	1.763	2.857	Decision Support	2.271	2.262	2.604
Computing				Systems			
Artificial	4.084	2.426	3.333		3.091	1.056	2.070
Intelligence				Design Studies			
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Intelligence in Medicine	Artificial	1.721	0.884	2.142	Differential	0.929	0.641	0.594
Medicine Applications Applications Image: Computational Statistics & Data Analysis Applications Image: Computer Computer Communications Applications Image: Computer Computer Communications Applications Image: Computer Computer Communications Applications Image: Computer Languages, Systems Application Applications Digital Investigation Investigation Investigation I.331		1./21	0.884	2.142		0.929	0.041	0.334
Automatica 2.991 4.315 3.635 Digital Investigation 1.766 0.674 1.211 Bulletin des Sciences Mathématiques 1.246 1.942 0.664 Digital Signal Processing 1.331 0.688 1.444 Chaos, Solitons & Fractals 1.090 0.679 1.611 Discrete Applied Mathematics 1.185 0.880 0.722 Cognition 1.676 2.770 3.411 Discrete Applied Mathematics 1.000 0.600 Cognitive Systems Research 1.850 0.307 1.204 Discrete Optimization 1.248 0.924 0.889 Communications in Nonlinear Science and Numerical Simulation 1.776 1.575 2.834 Displays 1.419 0.481 1.903 Comptes Rendus Mathematique 0.775 1.154 0.446 Ecological Comptes Rendus Applications 0.930 1.797 Computational Geometry 1.244 1.283 1.179 Engineering Applications 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 <td< td=""><td></td><td></td><td></td><td></td><td>-</td><td></td><td></td><td></td></td<>					-			
Bulletin des Sciences Mathématiques Computational 1.776 1.575 2.834 Displays Disp								
Bulletin des Sciences Mathématiques 1.246 1.942 0.664 Digital Signal Processing 1.331 0.688 1.444 Chaos, Solitons & Fractals 1.090 0.679 1.611 Discrete Applied Mathematics 0.880 0.722 Cognition 1.676 2.770 3.411 Discrete Mathematics 1.040 1.000 0.600 Cognitive Systems Research 1.850 0.307 1.204 Discrete Optimization 1.248 0.924 0.889 Communications in Nonlinear Science and Numerical Simulation 1.776 1.575 2.834 Displays 1.419 0.481 1.903 Comptas Rendus Mathematique 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Computational Geometry 1.349 0.766 0.589 Electronic Computer and Applications 2.053 1.582 2.139 Computer Aided Geometric Design 1.244 1.283 1.179 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Communications 2.002	Automatica	2.991	4.315	3.635	_	1.766	0.674	1.211
Sciences Mathématiques Lo90 0.679 1.611 Discrete Applied Mathematics 1.185 0.880 0.722 Chaos, Solitons & Fractals 1.676 2.770 3.411 Discrete Applied Mathematics 1.040 1.000 0.600 Cognition 1.676 2.770 3.411 Discrete Mathematics 1.040 1.000 0.600 Cognitive Systems Research 1.850 0.307 1.204 Discrete Optimization 1.248 0.924 0.889 Communications in Nonlinear Science and Numerical Simulation 1.575 2.834 Displays 1.419 0.481 1.903 Comptes Rendus Mathematique 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Computational Geometry 1.349 0.766 0.589 Electronic Complexity 2.053 1.582 2.139 Computational Analysis 1.244 1.283 1.179 Engineering Analysis with Boundary Elements 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.09					Investigation			
Mathématiques Image: color of the properties of Computer Aided Geometric Design Image: color of the properties of Computer Languages, Systems Image: color of the properties	Bulletin des	1.246	1.942	0.664	Digital Signal	1.331	0.688	1.444
Chaos, Solitons & Fractals 1.090 0.679 1.611 Discrete Applied Mathematics 1.185 0.880 0.722 Cognition 1.676 2.770 3.411 Discrete Mathematics 1.040 1.000 0.600 Cognitive Systems Research 1.850 0.307 1.204 Discrete Optimization 1.248 0.924 0.889 Communications in Nonlinear Science and Numerical Simulation 1.776 1.575 2.834 Displays 1.419 0.481 1.903 Comptes Rendus Mathematique 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Computational Geometry 1.349 0.766 0.589 Electronic Commerce Research and Applications 2.053 1.582 2.139 Computational Statistics & Data Analysis 1.244 1.283 1.179 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Aided Geometric Design 2.002 0.889 2.099 European Journal Journal Journal of Combinatorics 1.089 1.233 0.650	Sciences				Processing			
Fractals	Mathématiques							
Cognition 1.676 2.770 3.411 Discrete Mathematics 1.040 1.000 0.600 Cognitive Systems Research 1.850 0.307 1.204 Discrete Optimization 1.248 0.924 0.889 Communications in Nonlinear Science and Numerical Simulation 1.776 1.575 2.834 Displays 1.419 0.481 1.903 Comptes Rendus Mathematique 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Computational Geometry 1.349 0.766 0.589 Electronic Complexity 2.053 1.582 2.139 Computational Statistics & Data Analysis 1.244 1.283 1.179 Engineering Analysis with Boundary Elements 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Communications 2.002 0.889 2.099 European Journal of Operational 1.089 1.233 0.650	Chaos, Solitons &	1.090	0.679	1.611	Discrete Applied	1.185	0.880	0.722
Cognitive Systems 1.850 0.307 1.204 Discrete 1.248 0.924 0.889	Fractals				Mathematics			
Cognitive Systems 1.850 0.307 1.204 Discrete Optimization 1.248 0.924 0.889 Research 1.776 1.575 2.834 Displays 1.419 0.481 1.903 Nonlinear Science and Numerical Simulation 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Comptes Rendus Mathematique 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Computational Geometry 1.349 0.766 0.589 Electronic Commerce Research and Applications 1.552 2.139 Computational Statistics & Data Analysis 1.244 1.283 1.179 Engineering Analysis with Boundary Elements 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Communications 2.002 0.889 2.099 European Journal of Combinatorics 1.089 1.233 0.650 Computer Languages, Systems 0.94	Cognition	1.676	2.770	3.411	Discrete	1.040	1.000	0.600
Research Optimization 1.419 0.481 1.903 Communications in Nonlinear Science and Numerical Simulation 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Comptes Rendus Mathematique 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Computational Geometry 1.349 0.766 0.589 Electronic Commerce Research and Applications 2.053 1.582 2.139 Computational Statistics & Data Analysis Analysis with Boundary Elements Boundary Elements 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Communications 2.002 0.889 2.099 European Journal of Combinatorics 1.089 1.233 0.650 Computer Languages, Systems 0.944 0.252 0.556 European Journal of Operational 2.295 2.595 2.679					Mathematics			
Communications in Nonlinear Science and Numerical Simulation 1.776 1.575 2.834 Displays 1.419 0.481 1.903 Comptes Rendus Mathematique 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Computational Geometry 1.349 0.766 0.589 Electronic Commerce Research and Applications 2.053 1.582 2.139 Computational Statistics & Data Analysis 1.244 1.283 1.179 Engineering Analysis with Boundary Elements 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Computer Computer Communications 2.002 0.889 2.099 European Journal of Combinatorics 1.089 1.233 0.650 Computer Languages, Systems 0.944 0.252 0.556 European Journal of Operational 2.295 2.595 2.679	Cognitive Systems	1.850	0.307	1.204	Discrete	1.248	0.924	0.889
Nonlinear Science and Numerical Simulation 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Comptes Rendus Mathematique 1.349 0.766 0.589 Electronic Complexity 2.053 1.582 2.139 Geometry Commerce Research and Applications Commerce Research and Applications 1.320 1.251 1.862 Statistics & Data Analysis Boundary Elements Elements 1.371 2.368 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Computer Computer Computer Computer Computer Computer Systems 0.944 0.252 0.556 European Journal of Combinatorics 2.295 2.595 2.679	Research				Optimization			
and Numerical Simulation 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Mathematique 1.349 0.766 0.589 Electronic Complexity 2.053 1.582 2.139 Geometry Computational Geometry 1.244 1.283 1.179 Engineering Analysis with Boundary Elements 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Computer Aided Geometric Design 2.002 0.889 2.099 European Journal of Combinatorics 1.089 1.233 0.650 Computer Computer Computer Computer Aided Geometric Design 0.944 0.252 0.556 European Journal of Combinatorics 1.089 1.233 0.650	Communications in	1.776	1.575	2.834	Displays	1.419	0.481	1.903
Simulation Comptes Rendus Mathematique 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Computational Geometry 1.349 0.766 0.589 Electronic Commerce Research and Applications 2.053 1.582 2.139 Computational Statistics & Data Analysis 1.244 1.283 1.179 Engineering Analysis with Boundary Elements 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Computer Computer Computer Computer Computer Computer Computer Computer Systems 2.092 European Journal of Computal Of Combinatorics 1.089 1.233 0.650 European Journal Computer Compute	Nonlinear Science							
Comptes Rendus Mathematique 0.775 1.154 0.446 Ecological Complexity 1.026 0.930 1.797 Computational Geometry 1.349 0.766 0.589 Electronic Commerce Research and Applications 2.053 1.582 2.139 Computational Statistics & Data Analysis 1.244 1.283 1.179 Engineering Analysis with Boundary Elements 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Computer Computer Communications 2.002 0.889 2.099 European Journal of Combinatorics 1.089 1.233 0.650 Computer Computer Computer Languages, Systems 0.944 0.252 0.556 European Journal of Operational 2.295 2.595 2.679	and Numerical							
Mathematique Computational 1.349 0.766 0.589 Electronic 2.053 1.582 2.139 Geometry Geometry Languages, Systems 1.349 0.766 0.589 Electronic 2.053 1.582 2.139 Computer Geometry Commerce Research and Applications 1.320 1.251 1.862 Statistics & Data Analysis Boundary Elements 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer 2.002 0.889 2.099 European Journal of Combinatorics 1.089 1.233 0.650	Simulation							
Mathematique Complexity Complexity 2.053 1.582 2.139 Computational Geometry 1.349 0.766 0.589 Electronic Commerce Research and Applications 1.582 2.139 Computational Statistics & Data Analysis 1.244 1.283 1.179 Engineering Analysis with Boundary Elements 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Computer Communications 2.002 0.889 2.099 European Journal of Combinatorics 1.089 1.233 0.650 Computer Computer Languages, Systems 0.944 0.252 0.556 European Journal of Operational 2.295 2.595 2.679	Comptes Rendus	0.775	1.154	0.446	Ecological	1.026	0.930	1.797
Computational Geometry	_				_			
Geometry Geometry Commerce Research and Applications Computational Statistics & Data Analysis Computer Aided Geometric Design Computer Compute	1	1.349	0.766	0.589		2.053	1.582	2.139
Research and Applications Computational Statistics & Data Analysis Computer Aided Geometric Design Computer Comp						, , , ,		
Computational 1.244 1.283 1.179 Engineering Analysis with Boundary Elements 1.320 1.251 1.862 Computer Aided Geometric Design 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence 2.148 1.371 2.368 Computer Computer Communications 2.002 0.889 2.099 European Journal of Combinatorics 1.089 1.233 0.650 Computer Languages, Systems 0.944 0.252 0.556 European Journal of Operational 2.295 2.595 2.679								
Computational 1.244 1.283 1.179 Engineering 1.320 1.251 1.862 Statistics & Data Analysis with Boundary Elements Computer Aided 1.554 1.024 1.092 Engineering Applications of Artificial Intelligence Computer 2.002 0.889 2.099 European Journal 1.089 1.233 0.650 Computer Computer 0.944 0.252 0.556 European Journal 2.295 2.595 2.679 Languages, Systems Computer 0.944 0.252 0.556 European Journal 0.944 0.252 0.556 European Journal 0.944 0.255 0.556 European Journal 0.945 0.257 0.556 European Journal 0.945 0.257 0.556 0.								
Statistics & Data Analysis Analysis Boundary Elements Computer Aided Geometric Design Computer Comput	Computational	1 244	1 283	1 170		1 320	1 251	1 862
Analysis Computer Aided Geometric Design Computer Com	_	1.244	1.203	1.17)		1.320	1.231	1.002
Computer Aided 1.554 1.024 1.092 Engineering 2.148 1.371 2.368 Geometric Design Applications of Artificial Intelligence Computer 2.002 0.889 2.099 European Journal 1.089 1.233 0.650 Communications Computer 0.944 0.252 0.556 European Journal 2.295 2.595 2.679 Languages, Systems Computer 0.944 0.252 0.556 European Journal 0.945 0.94					-			
Computer Aided 1.554 1.024 1.092 Engineering 2.148 1.371 2.368 Geometric Design Applications of Artificial Intelligence Artificial Intelligence 1.089 1.233 0.650 Computer Communications 0.944 0.252 0.556 European Journal of Operational 2.295 2.595 2.679 Languages, Systems Of Operational Of Operational 0.252 0.556 European Journal of Operational 0.294 0.252 0.556 European Journal of Operational 0.252 0.679	Allalysis				•			
Geometric Design Geometric Design Applications of Artificial Intelligence Computer Computer Communications Computer O.944 O.252 O.556 European Journal O.050 European Journal O.255 European Journal O.050 Computer O.944 O.252 O.556 Of Operational		1.554	1.024	1.002		2 1 40	1.071	2.250
Computer 2.002 0.889 2.099 European Journal 1.089 1.233 0.650 Communications 0.944 0.252 0.556 European Journal 2.295 2.595 2.679 Languages, Systems of Operational	_	1.554	1.024	1.092		2.148	1.3/1	2.368
Computer Communications 2.002 0.889 2.099 European Journal of Combinatorics 1.089 1.233 0.650 Computer Computer Languages, Systems 0.944 0.252 0.556 European Journal of Operational 2.295 2.595 2.679	Geometric Design							
Computer 2.002 0.889 2.099 European Journal of Combinatorics 1.089 1.233 0.650 Computer 0.944 0.252 0.556 European Journal of Operational 2.295 2.595 2.679 Languages, Systems of Operational of Operational 0.000 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Communications of Combinatorics of Combinatorics Computer 0.944 0.252 0.556 European Journal 2.295 2.595 2.679 Languages, Systems of Operational					_			
Computer 0.944 0.252 0.556 European Journal 2.295 2.595 2.679 Languages, Systems of Operational	_	2.002	0.889	2.099	_	1.089	1.233	0.650
Languages, Systems of Operational	Communications				of Combinatorics			
	Computer	0.944	0.252	0.556	European Journal	2.295	2.595	2.679
and Structures Research	Languages, Systems				of Operational			
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Computer Methods	2.023	2.952	3.467	Expert Systems	2.561	1.839	2.981
in Applied				with Applications			
Mechanics and							
Engineering							
Computer Networks	1.819	0.755	1.446	Expositiones	0.628	0.453	0.784
				Mathematicae			
Computer Speech	1.648	0.974	1.324	Finite Elements in	1.516	1.278	2.175
and Language	1.010	0.571	1.321	Analysis and	1.010	1.270	2.175
and Language				, and the second			
				Design			
Computer Standards	1.907	0.888	1.268	Finite Fields and	1.344	1.096	1.292
& Interfaces				Their			
				Applications			
Computer Vision	2.340	1.490	2.134	Future Generation	3.323	1.483	2.430
and Image				Computer			
Understanding				Systems			
Computer-Aided	2.183	1.078	2.149	Fuzzy Sets and	1.712	1.711	2.098
Design				Systems			
Computerized	1.311	0.630	1.385	Games and	1.154	1.596	0.882
Medical Imaging	1.311	0.030	1.363	Economic Economic	1.134	1.570	0.002
and Graphics				Behavior			
Computers &	1.164	0.565	1.084	Graphical Models	0.972	0.443	0.821
Electrical							
Engineering							
Historia	0.597	0.233	0.464	Journal of Process	1.929	1.440	2.216
Mathematica				Control			
Image and Vision	2.049	1.700	1.766	Journal of Pure	1.188	0.990	0.669
Computing				and Applied			
				Algebra			
Information and	1 254	0.600	0.972		0.007	1.000	0.727
Information and	1.354	0.698	0.873	Journal of	0.987	1.090	0.727
Computation				Statistical			
				Planning and			
				Inference			
Information and	1.919	1.381	2.163	Journal of	1.843	0.979	1.030
Management				Symbolic			
				Computation			
Information and	3.163	0.920	1.569	Journal of	2.415	0.897	1.424
Software				Systems and			
			<u> </u>	•			

Technology	, , , ,			Software			
Information Fusion	3.537	1.941	4.353	Journal of	1.084	0.399	0.683
				Systems			
				Architecture			
Information	1.265	0.698	0.605	Journal of The	1.411	1.454	2.327
Processing Letters				Franklin Institute			
Information	2.489	2.513	3.364	Journal of the	0.756	0.392	0.353
Sciences				Korean Statistical			
				Society			
Indagationes	0.861	0.476	0.407	Journal of Visual	1.588	0.785	1.530
Mathematicae				Communication			
				and Image			
				Representation			
Integration, the	1.156	0.283	0.703	Journal of Visual	1.398	0.411	0.634
VLSI Journal				Languages and			
				Computing			
International Journal	2.091	2.304	2.696	Journal of Web	6.086	2.435	1.277
of Approximate				Semantics			
Reasoning							
International Journal	1.826	0.655	1.351	Knowledge-	2.645	2.140	3.325
of Critical				Based Systems			
Infrastructure							
Protection							
International Journal	1.777	1.198	1.626	Linear Algebra	1.195	0.837	0.965
of Forecasting				and its			
				Applications			
International Journal	2.158	0.815	1.476	Mathematical	0.901	0.719	1.256
of Human-Computer				Biosciences			
Studies							
International Journal	1.400	1.211	1.920	Mathematical	0.567	0.493	0.344
of Non-Linear				Social Sciences			
Mechanics							
Journal de	1.746	3.180	1.818	Mathematics and	1.054	0.677	1.124
Mathématiques				Computers in			
Pures et Appliquées				Simulation			
Journal of Algebra	1.230	1.165	0.660	Medical Image	3.083	2.048	4.565
				Analysis			

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T 1 C A 1' 1	0.710	0.210	0.267	NI 1NI 1	2.226	1.620	2.216
Journal of Applied	0.710	0.310	0.367	Neural Networks	2.236	1.629	3.216
Mathematics and							
Mechanics							
Journal of	1.265	0.923	0.921	Neurocomputing	1.757	1.202	2.392
Approximation							
Theory							
Journal of	1.634	2.350	0.979	Nonlinear	1.520	1.994	3.192
Combinatorial				Analysis: Hybrid			
Theory, Series A				Systems			
Journal of	2.054	2.411	1.094	Nonlinear	1.784	1.792	2.238
Combinatorial				Analysis: Real			
Theory, Series B				World			
				Applications			
Journal of	1.653	1.226	1.358	Ocean Modelling	1.558	2.141	3.337
Complexity							
Journal of	1.293	1.089	1.328	Operations	0.744	0.727	0.627
Computational and	1.275	1.009	1.320	Research Letters	0.711	0.727	0.027
Applied				Research Letters			
Mathematics							
	1 161	0.597	1.070	Ontical Stretchina	0.707	0.402	1 127
Journal of	1.161	0.587	1.078	Optical Switching	0.707	0.492	1.137
Computational				and Networking			
Science							
Journal of Computer	2.376	1.334	1.583	Parallel	1.693	0.726	1.000
and System Sciences				Computing			
Journal of	1.876	2.809	1.821	Pattern	3.166	2.051	3.399
Differential				Recognition			
Equations							
Journal of	2.002	3.781	1.611	Pattern	2.155	1.225	1.586
Econometrics				Recognition			
				Letters			
Journal of Economic	1.029	0.937	0.879	Performance	1.581	0.527	0.944
Dynamics and				Evaluation			
Control							
Journal of	1.518	2.526	1.273	Pervasive and	2.051	0.872	1.719
Functional Analysis				Mobile			

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				Computing			
Journal of Geometry	1.111	0.705	0.752	Review of	1.574	2.554	1.256
and Physics				Economic			
				Dynamics			
Journal of	2.248	1.190	2.240	Robotics and	2.265	1.377	1.618
Manufacturing				Autonomous			
Systems				Systems			
Journal of	1.262	1.161	1.014	Science of	1.380	0.570	0.828
Mathematical				Computer			
Analysis and				Programming			
Applications							
Journal of	0.605	0.579	0.434	Signal Processing	1.931	1.119	2.063
Mathematical							
Economics							
Journal of	1.165	1.458	0.857	Signal	1.551	0.661	1.602
Multivariate				Processing: Image			
Analysis				Communication			
Journal of Network	2.762	1.100	2.331	Statistics &	0.834	0.720	0.506
and Computer				Probability			
Applications				Letters			
Journal of Number	1.073	0.858	0.596	Simulation	1.591	0.724	1.482
Theory				Modelling			
				Practice and			
				Theory			
Journal of Parallel	1.727	0.851	1.320	Spatial Statistics	1.785	1.052	1.385
and Distributed							
Computing							
Journal of	1.387	1.153	1.118	Speech	1.677	0.685	1.038
Pragmatics				Communication			
Stochastic Processes	1.347	1.664	1.193	Theoretical	1.345	0.720	0.643
and their				Computer Science			
Applications							
Telematics and	1.665	0.737	2.261	Topology and its	0.954	0.542	0.493
Informatics				Applications			
		1					

Table 3: Journal's subscription prices for the aggregated subject area «Journals within Economics, Finance Business, Management and Accounting»

Economics, Finance Business, USD USD USD WSD Pinance Business, USD USD USD % Management and Accounting and Accoun	Journals within	Price	Price	Gro	n*et al. /Internation Journals within	Price	Price	Grow
Management and Accounting and Accounting 2015 May 2015 Cotober 19, 19, 2016 Business, Management 19, 19, 2016 Management 19, 19, 2016 19, 19, 2016 Accounting, Organizations & Society 2928 3362 Information and Management 1385 1646 18.8 Applied Ergonomics 1745 1987 13.9 Organization and Organization 1100 1278 16,2 Business Horizons Ergonomics 552 615 Economics and Economics and Post-Communist and Post-Communist and Post-Communist and International Studies 11.4 Policy Pol	Economics,	USA-	USA-	wth,	Economics,	USA-	USA-	th,
and Accounting 19, 2015 19, 2016 Management and Accounting, 2015 19, 2016 19, 2015 2016 19, 2015 2016 2016 2015 2016 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 <th>Finance Business,</th> <th>USD</th> <th>USD</th> <th>%</th> <th>Finance</th> <th>USD</th> <th>USD</th> <th>%</th>	Finance Business,	USD	USD	%	Finance	USD	USD	%
Accounting. Organizations & Society 2928 3362 Information and Management 1385 1646 Applied Ergonomics 1745 1987 13.9 Organization and Dinformation and	Management	May	October		Business,	May	October	
Accounting, Organizations & Society 3362 14.8 16.46 18.8 18	and Accounting	19,	19,		Management	19,	19,	
Organizations & Society 2928 3362 Management 1385 1646 Applied Ergonomics 1745 1987 13.9 Organization 1100 1278 16,2 Business Horizons 552 615 Information 881 989 China Economic Review 695 827 19 Business Review 1835 2152 17.3 Communist and Post-Communist Studies 690 747 Accounting Information 674 774 14.8 Computers & Industrial Engineering 4410 5077 International Journal of Pope International Journal of International Journal of Hospitality International Journal of International Journal of Pope International Journal of International Journal of International Journal of International Industrial Industrial Industrial Industrial Journal of Pope International Journal of International Journal of International Journal of International Industrial Industrial Industrial Industrial International Journal of International Journal of International Industrial Industrial International Journal of International Journal of International Industrial International Journal of International Industrial International Journal of International Journal of International International Journal of International International Industrial International Journal of International In		2015	2016		and Accounting	2015	2016	
Society	Accounting,				Information and			
Applied Ergonomics 1745 1987 13.9 Organization 1100 1278 16,2	Organizations &	2928	3362		Management	1385	1646	
Ergonomics 1745 1987 13.9 Organization 1100 1278 16,2	Society			14.8				18.8
Business Horizons	Applied				Information and			
China Economic Review	Ergonomics	1745	1987	13.9	Organization	1100	1278	16,2
China Economic Review 695 827 19 Business Review 1835 2152 17.3	Business Horizons				Information			
China Economic Review 695 827 19 Business Review 1835 2152 17.3 Communist and Post-Communist Studies 690 747 Accounting Information 674 774 Computers & Industrial 4410 5077 Journal of Journal of 996 1059 Engineering 15.1 Forecasting 6.3 Computers in Industry 2012 2349 Journal of Hospitality 1308 1570 Decision Support Systems 1920 2284 Journal of International 2139 2353 Industrial Ecological Economics 2851 3391 International Information 1375 1628 Information Information 18.9 Management 18.4		552	615		Economics and	881	989	
Review 695 827 19 Business Review 1835 2152 17.3 Communist and Post-Communist Studies 690 747 Accounting Information 674 774 Studies 690 747 Accounting Information 674 774 Computers & Industrial Endustrial Industrial Industry 4410 5077 Journal of Journal of Pope Information 996 1059 Computers in Industry 2012 2349 Journal of Hospitality 1308 1570 Decision Support Systems 1920 2284 Journal of International Journal of International Industrial 2139 2353 Industrial Ecological Economics 2851 3391 International Journal of Information 1375 1628 Information 18.9 Management 18.4				11.4	Policy			12.3
Communist and Post-Communist Studies 690 747 Accounting Information Information Systems 14.8	China Economic				International			
Post-Communist Studies 690 747 Accounting 674 774 14.8	Review	695	827	19	Business Review	1835	2152	17.3
Studies	Communist and				International			
Systems 14.8	Post-Communist				Journal of			
Systems 14.8 Computers & International Journal of 996 1059 Engineering 15.1 Forecasting 6.3	Studies	690	747		Accounting	674	774	
Computers & Industrial 4410 5077 Journal of 996 1059 Engineering 15.1 Forecasting 6.3 Computers in International Journal of 1308 1570 Hospitality 16.7 Management 20 Decision Support Systems 1920 2284 Journal of 2139 2353 Industrial 19 Organization 10 Ecological Economics 2851 3391 Journal of 1375 1628 Information 18.9 Management 18.4					Information			
Industrial				8.3	Systems			14.8
Engineering	Computers &				International			
Computers in Industry 2012 2349 Journal of Hospitality 16.7 Management 20 Decision Support Systems 1920 2284 Journal of Industrial 19 Organization 10 Ecological Economics 2851 3391 Journal of Information 18.9 Management 18.4	Industrial	4410	5077		Journal of	996	1059	
Industry	Engineering			15.1	Forecasting			6.3
Decision Support Systems 1920 2284 Industrial Ecological Economics 2851 3391 Journal of Information Hospitality Management 20 International Journal of 2139 2353 Industrial International International Journal of 1375 1628 Information	Computers in				International			
16.7 Management 20	Industry	2012	2349		Journal of	1308	1570	
Decision Support Systems 1920 2284 Journal of Industrial 19 Organization Ecological Economics 2851 Journal of International Journal of International International Journal of Information 18.9 Management 18.4					Hospitality			
Systems 1920 2284 Journal of Industrial 2139 2353 Industrial 19 Organization 10 Ecological Economics 2851 3391 Journal of Information 1375 1628 Information 18.9 Management 18.4				16.7	Management			20
Ecological International Journal of Information 18.9 Management 18.4	Decision Support				International			
Ecological International Journal of 1375 1628 Information 18.9 Management 18.4	Systems	1920	2284		Journal of	2139	2353	
Ecological Economics 2851 3391 Journal of 1375 1628 Information 18.9 Management 18.4					Industrial			
Economics 2851 3391 Journal of 1375 1628 Information 18.9 Management 18.4				19	Organization			10
Information 18.9 Management 18.4	Ecological				International			
18.9 Management 18.4	Economics	2851	3391		Journal of	1375	1628	
					Information			
Economic 18.4 International 16				18.9	Management			18.4
<u>. </u>	Economic			18.4	International			16

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Modelling	1560	1847		Journal of	1886	2187	
				Project			
				Management			
Economic Systems				International			
	522	565		Journal of	1079	1277	
				Research in			
			8.2	Marketing			18.4
Economics and				International			
Human Biology	690	810		Review of	678	803	
				Economics &			
			17.4	Finance			18.4
Emerging Markets				International			
Review	406	481		Review of Law	942	1090	
			18.5	and Economics			15.7
Energy				Japan and the			
	4133	4937	19,5	World Economy	875	1002	14.5
Energy Economics				Journal of			
	1739	2059		Accounting and	2100	2434	
			18.4	Economics			15.9
Energy Policy				Journal of			
	3736	4392		Accounting and	1077	1237	
			17.6	Public Policy			14.9
European				Journal of Air			
Economic Review	2313	2713		Transport	1155	1354	
			17.3	Management			17.2
European				Journal of			
Management	1235	1362		Banking and	4466	4857	
Journal			10.3	Finance (JBF)			8.8
Evaluation and				Journal of			
Program Planning	1381	1619		Business	3248	3764	
			17.2	Research			15.9
Evolution and				Journal of			
Human Behavior	1786	2032		Business	1604	1907	
			13.8	Venturing			18.9
Explorations in				Journal of			
_	815	927		Choice	333	373	
Economic History	015	/ - /					

Finance Research	Einanaa Dasaarah	v iui	1111111 1V1. 1V1	OSKOVKII	Iournal of	ai J ournai	oj i narna	$\frac{ucy \propto re}{}$
15.7 Economics 11.8	Finance Research	680	707		Journal of Comparative	015	1023	
Forest Policy and Economics 753 893 Consumer 982 1104 12.4	Letters	007	191	157	_	713	1023	11 Q
Economics	Forest Policy and			13./				11.0
Futures		752	803			082	1104	
Futures	Economics	133	093	18.6		962	1104	12.4
1747 2030 Corporate 873 1048 20	Futuros			16.0	, ,,			12.4
Table Tabl	Futures	1747	2030			972	1048	
Games and Economic Behavior 1284 1506 Marketing & 507 570 12.4		1/4/	2030	16.2	-	0/3	1046	20
Destination	Comes and			10.2				20
Behavior								
Human Resource		1204	1506			507	570	
Human Resource Management 797 957 Development 3020 3452	Behavior	1284	1506	17.0		507	570	12.4
Management Review 797 957 Development Economics 3020 3452 14.3 Industrial Industrial Marketing Management 1751 2029 Journal of Operations 1027 1170 Marketing Management 15.9 Management 13.9 Journal of Econometrics 4415 5001 13.3 Modeling Modeling 1191 1291 8.4 Journal of Economic Behavior and Organization 3676 4183 3669 4283 16.7 Journal of Economic Dynamics and Control 2682 3103 Purchasing & 830 977 977 17.7 Journal of Economic 1064 1254 Retailing 623 701 701 12.5 Journal of Economic Theory 4087 4434 Products 1902 2179 12.5 Journal of Modeling 11050 Journal of the 846 978 14.6				17.3				12.4
Review								
Industrial Marketing Management		797	957		_	3020	3452	
Marketing Management 15.9 Operations Management 13.9 Journal of Econometrics 4415 5001 13.3 Modeling 1191 1291 8.4 Journal of Economic Behavior and Organization 3676 4183 3669 4283 16.7 Journal of Economic Dynamics and Control 2682 3103 Purchasing & 830 977 977 17.7 Journal of Economic Psychology 15.7 Management 17.7 17.7 Journal of Economic Theory 1064 1254 Retailing 623 701 12.5 Journal of Economic Theory 4087 4434 Products 1902 2179 14.6 Journal of Stored Economic Theory 891 1050 Journal of the 846 978	Review			20.1	Economics			14.3
Management 15.9 Management 13.9 Journal of Econometrics 4415 5001 13.3 Modeling 1191 1291 8.4 Journal of Economic Behavior and Organization 3676 4183 3669 4283 16.7 Journal of Economic Dynamics and Control 2682 3103 Purchasing & 830 977 977 17.7 Journal of Economic Dournal of Economic 1064 1254 Retailing Retailing 623 701 12.5 Journal of Economic Theory 4087 4434 Products 1902 2179 Economic Theory Augustanion Theory 4087 4434 Products 1902 2179 Besearch Augustanion Theory Augustanion Theor	Industrial	1751	2029		Journal of	1027	1170	
Journal of Econometrics	Marketing				Operations			
Econometrics 4415 5001 13.3 Modeling 1191 1291 8.4 Journal of Economic Economics Economics Economics 3669 4283 Behavior and Organization 13.8 Journal of 16.7 Journal of Economic 2682 3103 Purchasing & 830 977 Dynamics and Control 15.7 Management 17.7 Journal of Economic 1064 1254 Retailing 623 701 Psychology 17.9 12.5 Journal of Economic Theory 4087 4434 Products 1902 2179 Research 14.6 Journal of 846 978	Management			15.9	Management			13.9
Journal of Economic Economics Supply S	Journal of				Journal of Policy			
Economic Behavior and 3676 4183 Economics 3669 4283 Organization 13.8 Journal of 16.7 Journal of Economic 2682 3103 Purchasing & 830 977 Dynamics and Supply 15.7 Management 17.7 Journal of Economic Journal of Retailing 623 701 Psychology 17.9 12.5 Journal of Journal of Stored Products 1902 2179 Economic Theory 4087 4434 Products 1902 2179 Research Journal of the 846 978	Econometrics	4415	5001	13.3	Modeling	1191	1291	8.4
Behavior and Organization 3676 4183 3669 4283 Journal of Economic Dynamics and Control 2682 3103 Purchasing & 830 977 Dynamics and Control 15.7 Management 17.7 Journal of Economic Psychology 1064 1254 Retailing 623 701 Psychology 17.9 12.5 Journal of Economic Theory 4087 4434 Products 1902 2179 Besearch 14.6 Journal of 891 1050 Journal of the 846 978	Journal of				Journal of Public			
Organization 13.8 16.7 Journal of Economic 2682 3103 Purchasing & 830 977 Dynamics and Control 15.7 Management 17.7 Journal of Economic 1064 1254 Retailing 623 701 Psychology 17.9 12.5 Journal of Economic Theory 4087 4434 Products 1902 2179 Economic Theory Augusta 8.5 Research 14.6 Journal of Stored Research 14.6 978	Economic				Economics			
Journal of Economic 2682 3103 Purchasing & 830 977	Behavior and	3676	4183			3669	4283	
Economic 2682 3103 Purchasing & 830 977 Dynamics and 15.7 Management 17.7 Journal of Journal of Retailing 623 701 Psychology 17.9 12.5 Journal of Journal of Stored Products 1902 2179 Economic Theory 4087 4434 Products 1902 2179 Journal of 8.5 Research 14.6 Journal of 891 1050 Journal of the 846 978	Organization			13.8				16.7
Dynamics and Control Supply 15.7 Management 17.7 Journal of Economic Psychology 1064 1254 Retailing 623 701 Psychology 17.9 12.5 Journal of Economic Theory 4087 4434 Products 1902 2179 B.5 Research 14.6 Journal of B91 1050 Journal of the 846 978	Journal of				Journal of			
Control 15.7 Management 17.7 Journal of Economic 1064 1254 Retailing 623 701 Psychology 17.9 12.5 Journal of Economic Theory 4087 4434 Products 1902 2179 B.5 Research 14.6 Journal of B91 1050 Journal of the 846 978	Economic	2682	3103		Purchasing &	830	977	
Journal of Economic 1064 1254 Retailing 623 701 12.5	Dynamics and				Supply			
Economic 1064 1254 Retailing 623 701 Psychology 17.9 17.9 12.5 Journal of Economic Theory 4087 4434 Products 1902 2179 8.5 Research 14.6 Journal of 891 1050 Journal of the 846 978	Control			15.7	Management			17.7
Psychology 17.9 12.5 Journal of Economic Theory 4087 4434 Products	Journal of				Journal of			
Journal of Journal of Stored Economic Theory 4087 4434 Products 1902 2179	Economic	1064	1254		Retailing	623	701	
Economic Theory 4087 4434 Products 1902 2179 8.5 Research 14.6 Journal of 891 1050 Journal of the 846 978	Psychology			17.9				12.5
8.5 Research 14.6	Journal of				Journal of Stored			
Journal of 891 1050 Journal of the 846 978	Economic Theory	4087	4434		Products	1902	2179	
				8.5	Research			14.6
Empirical Finance 17.8 Japanese and 15.6	Journal of	891	1050		Journal of the	846	978	
	Empirical Finance			17.8	Japanese and			15.6

Journal of Engineering and Technology 730 856 17.3 1776 2030	14.3 18.4 20 17.9
Journal of Engineering and Technology 730 856 17.3 1776 2030	18.4 20 17.9
Engineering and Technology	18.4 20 17.9
Technology 730 856 17.3 1776 2030 Management 17.3 Journal of 2030 Journal of Environmental Economics and Management 1619 1850 Behavior 1644 1946 Management 14.3 Journal of World 705 846 Business Strategy 592 684 15.5 Business Journal of Financial 3909 4669 Economics 900 1061 Economics 19.4 Long Range Planning 2428 2763 Intermediation 18.3 Management Accounting 709 826	18.4 20 17.9
Management	18.4 20 17.9
Journal of Environmental Economics and 1619 1850 Behavior 1644 1946	18.4 20 17.9
Environmental 1619 1850 Wocational 1644 1946 Management 14.3 Journal of World 705 846 Journal of Family Journal of World 705 846 Business Strategy 592 684 15.5 Business Journal of Financial 3909 4669 Economics 900 1061 Economics 19.4 Long Range Planning 2428 2763 Intermediation 18.3 Management Accounting 709 826	17.9
Economics and Management 1619 1850 Behavior 1644 1946 Journal of Family Business Strategy 592 684 15.5 Business 846 Journal of Financial 3909 4669 Economics 900 1061 Economics 19.4 Long Range Planning 2428 2763 Intermediation 18.3 Management Accounting 709 826	17.9
Management 14.3 Journal of Family Journal of World 705 846 Business Strategy 592 684 15.5 Business 15.5 Business 15.5 Business 15.5 Business 15.5 Business 15.5	17.9
Journal of Family Business Strategy 592 684 15.5 Business Journal of Financial 3909 4669 Economics 900 1061 Economics 19.4 Journal of Financial 689 815 Planning 2428 2763 Intermediation 18.3 Journal of Financial Markets 616 730 Accounting 709 826	17.9
Business Strategy 592 684 15.5 Business Journal of Labour Economics 900 1061 Business Strategy 592 684 15.5 Business Labour Economics 900 1061 Long Range Planning 2428 2763 Intermediation 18.3 Journal of Management Financial Markets 616 730 Accounting 709 826	17.9
Journal of Economics 3909 4669 Economics 900 1061	17.9
Financial 3909 4669 Economics 900 1061 Economics 19.4 Long Range 2428 2763 Financial of Intermediation 18.3 Management Accounting 709 826	
Economics 19.4 Journal of Long Range Financial 689 815 Planning 2428 2763 Intermediation 18.3 Journal of Management Financial Markets 616 730 Accounting 709 826	
Journal of Financial 689 815 Planning 2428 2763 Intermediation 18.3 Journal of Financial Markets 616 730 Accounting 709 826	
Financial 689 815 Planning 2428 2763 Intermediation 18.3 Management Financial Markets 616 730 Accounting 709 826	13.8
Intermediation 18.3 Journal of Management Financial Markets 616 730 Accounting 709 826	13.8
Journal of Management Financial Markets 616 730 Accounting 709 826	13.8
Financial Markets 616 730 Accounting 709 826	1
18,5 Research	
	16.5
Journal of Omega	
Financial Stability 443 530 19.6 1980 2322	17.3
Journal of Forest Organizational	
Economics 327 386 18.0 Dynamics 385 462	20.0
Journal of Health Pacific-Basin	
Economics 2082 2442 17.3 Finance Journal 931 1087	16.8
Journal of Regional Science	
Hospitality, and Urban	
Leisure, Sport & Economics	
Tourism Education 481 551 1606 1858	
- Johlste 14.6	15.7
Journal of Housing Research in	
Economics 581 682 Organizational 399 451	
17.4 Behavior	13.0
Journal of Research in	
Interactive 6.5 Social	İ

35.1			OSKOVKII	n*et al. /Internation			acy & 1e
Marketing	1654	1761		Stratification and	365	416	
				Mobility			
Journal of				Research Policy			
International	2266	2615			3310	3900	
Economics			15.4				17.8
Journal of				Resource and			
International				Energy			
Financial Markets,	585	690		Economics	1117	1298	
Institutions &							
Money			17.9				16.2
Journal of				Resources Policy			
International	1654	1245			1413	1642	
Management			-24.7				16.2
Journal of				Review of			
International	1850	2169		Economic	830	973	
Money and				Dynamics			
Finance			17.2				17.2
Journal of				Scandinavian			
Macroeconomics	541	644		Journal of	1270	1462	
			19	Management			15.1
Journal of				Sport			
Manufacturing	992	1088		Management	446	505	
Systems			9.7	Review			13.2
Journal of				Technological			
Mathematical	2399	2710		Forecasting and	1625	1924	
Economics			13	Social Change			18.4
Journal of				Technovation			
Monetary	3093	3519			2594	3015	
Economics			13.8				16.2
Journal of				The Leadership			
Nutrition				Quarterly			
Education and	558	615			871	1004	
Behavior (JNEB)			10.2				15.3
Telecommunicatio				The North-			
ns Policy				American			
	1973	2272		Journal of	743	867	
			15.2	Economics and			16.7

				Finance			
The Journal of				Tourism			
Strategic	850	1006		Management	2222	2667	
Information							
Systems			18.4				20
Utilities Policy	955	1099		World	3740	4275	
			15.1	Development			14.3

Table 4: Journal's subscription prices for the aggregated subject area «Journals within Mathematics and Computer Science»

Journals	Price	Price	Grow	Journals	Price	Price	Grow
within Mathem	USA-	USA-USD	th,	within Mathema	USA-USD	USA-USD	th,
atics and	USD	October 19,	%	tics and	May 19,	October 19,	%
Computer	May 19,	2016		Computer Scienc	2015	2016	
Scienc	2015						
Acta				Computers &			
Mathematica	1110	1284		Electrical	2357	2713	
Scientia			15.7	Engineering			15.1
Ad Hoc				Computers &			
Networks	803	955	18.9	Fluids	4351	5010	15.1
Advances in				Computers &			
Applied	1236	1097		Graphics	2768	3158	
Mathematics			-11.2				14.1
Advances in	3564	4046		Computers &	4410	5077	
Engineering				Industrial			
Software			13.5	Engineering			15.1
Advances in				Computers &			
Mathematics	3977	4037		Mathematics with	6442	6345	
			1.5	Applications			-1.5
Annals of Pure				Computers &			
and Applied	2182	2042		Security	1452	1711	
Logic			-6.4				17.8
Annual Reviews				Computers &			
in Control	858	953		Structures	8925	9684	
			11.1				8.5
Applied and			1.6	Computers and			17.2

Computational		viaaimir iv	1. MOSKO	Electronics in	onai Journai 	oj Pnarmacy & Te 	ecnnolog _.
_	557	5.00			2277	2797	
Harmonic	557	566		Agriculture	2377	2787	
Analysis							
Applied				Computers in			
Mathematical	2728	3118		Biology and	3263	3740	
Modelling			14.3	Medicine			14.6
Applied				Computers in			
Mathematics and	8588	9540		Industry	2021	2349	
Computation			1.1				16.2
Applied				Control			
Mathematics	2790	2832		Engineering	2712	3152	
Letters			1.5	Practice			16.2
Applied				Cortex			
Numerical	3074	3074	0		2182	2535	
Mathematics							16.2
Applied Soft				Data &			
Computing	887	1058	19.3	Knowledge	2317	2526	
				Engineering			9
Artificial	2864	2821	-1.5	Decision Support	1920	2284	
Intelligence				Systems			19
Artificial							
Intelligence in	1334	1329	-0.4	Design Studies	1595	1436	
Medicine							-10
Automatica				Differential			
	4119	4948	20.1	Geometry and its	982	1107	
				Applications			12.7
Bulletin des				Digital			
Sciences	805	817	1.5	Investigation	1082	1269	
Mathématiques							17.3
Chaos, Solitons				Digital Signal			
& Fractals	4407	4473	1.5	Processing	788	937	18.9
Cognition				Discrete Applied			
	2573	3046	18.4	Mathematics	3811	3969	4.1
Cognitive				Discrete			
Systems	688	745		Mathematics	4004	3944	
Research			8.3				1.5
Communications			19.7	Discrete			14.6

in Nonlinear		v iaaimii iv	i. Wiosko	<i>vkin*et al. /Internatio</i> Optimization	mai J ournai	 	echnolog.
Science and	1206	1444		Optimization	669	679	
Numerical	1200	1444			009	079	
Simulation				D : 1			
Comptes Rendus				Displays			
Mathematique	1711	1885	10.2		1237	1418	12.7
Computational				Ecological			
Geometry	1174	1192	1.5	Complexity	730	823	17.3
Computational				Electronic			
Statistics & Data				Commerce			
Analysis	3233	3281		Research and	757	888	
			1.5	Applications			13.5
Computer Aided				Engineering			
Geometric	1319	1512		Analysis with	3335	3786	
Design				Boundary			
			14.6	Elements			59.3
Computer				Engineering			
Communications	2880	3331	5.7	Applications of	2097	2448	
				Artificial			
				Intelligence			14.6
Computer				European Journal			
Languages,	1018	875	-14	of Combinatorics	1447	1469	
Systems and							
Structures							16.2
Computer				European Journal			
Methods in				of Operational			
Applied	8717	7100	-18.5	Research	7988	8653	
Mechanics and							
Engineering							16,2
Computer				Expert Systems			
Networks	3327	3884	16.7	with Applications	4765	5641	16.2
Computer				Expositiones			
Speech and	730	861	17.9	Mathematicae	503	511	
Language							9
Computer				Finite Elements in			
Standards &	1604	1855	15.6	Analysis and	2702	3082	
Interfaces				Design			19

Computer Vision		v iaaimii iv	i. Wiosko	Vkin*et al. /Internation Finite Fields and	mai sournai		cinolog.
and Image	2123	2478	16.7	Their	545	567	
Understanding				Applications			-10
Computer-Aided	2911	3383		Fuzzy Sets and	5505	5588	
Design			16.2	Systems			12.7
Computerized				Future Generation			
Medical Imaging	2575	2831		Computer	1674	1973	
and Graphics	2373	2031	9.9	Systems	1071	1775	17.3
Games and				Journal of			17.5
Economic Economic	1284	1506		Number Theory	1743	1770	
Behavior	1204	1300	17.3	Trumber Theory	1743	1770	18.9
Graphical			17.5	Journal of Parallel			10.7
Models	1027	1183		and Distributed	1660	1929	
Wiodels	1027	1103	15.2		1000	1929	16.2
TT:			13.2	Computing			10.2
Historia	4.60	126	5.0	Journal of	1511	2025	10.4
Mathematica	460	436	-5.2	Pragmatics	1711	2025	18,4
Image and				Journal of Process			
Vision	2406	2783		Control	1993	2326	
Computing			15.7				16.7
Information and				Journal of Pure			
Computation	1453	1249		and Applied	3042	2847	
			-14	Algebra			-6.4
Information and				Journal of			
Management	1385	1646		Statistical	4560	4001	
				Planning and			
			18.8	Inference			-12.3
Information and				Journal of	1005	1020	
Software	1720	2018		Symbolic			
Technology			17.3	Computation			1.5
Information				Journal of			
Fusion	806	960		Systems and	3279	3810	
			19.1	Software			16.2
Information				Journal of			
Processing	2489	2526		Systems	2121	2386	
Letters			1.5	Architecture			12.5
Information				Journal of The			
Sciences	6614	7686	16.2	Franklin Institute	3175	3486	9.8
551011005	0017	7000	10.2	Tunkini montute	3173	3400	7.0

T., 1		Vladimir M	l. Mosko	vkin*et al. /Internatio	onal Journal 	of Pharmacy & Te	echnolog.
Indagationes				Journal of the			
Mathematicae	565	565		Korean Statistical	430	456	
			0	Society			6
Integration, the				Journal of Visual			
VLSI Journal				Communication			
	1226	1405		and Image	1172	1375	
			14.6	Representation			17.3
International				Journal of Visual			
Journal of	1442	1463		Languages and	780	910	
Approximate				Computing			
Reasoning			1.5				16.7
International				Journal of Web			
Journal of				Semantics			
Critical	509	600			779	914	
Infrastructure							
Protection			17,9				17.3
International				Knowledge-			
Journal of	996	1059		Based Systems	1857	2189	
Forecasting			6.3				17.9
International				Linear Algebra			
Journal of				and its			
Human-	3334	3838		Applications	5968	6058	
Computer							
Studies			15.1				1.5
International				Mathematical			
Journal of Non-	2670	2307		Biosciences	3871	4292	
Linear							
Mechanics			-13.6				10.9
Journal de				Mathematical			
Mathématiques				Social Sciences			
Pures et	1261	1280			1783	1976	
Appliquées			1.5				10.8
Journal of				Mathematics and			
Algebra	5314	5129		Computers in	3310	3310	
			-3.5	Simulation			0
Journal of				Medical Image			
Applied			1.7	Analysis			17.8
					l		

			i. Mosko	vkin*et al. /Internatio			chholog
Mathematics and	5606	5704			1391	1639	
Mechanics							
Journal of				Neural Networks			
Approximation	2445	1992			3727	3123	
Theory			-18.5				-16.2
Journal of							
Combinatorial	1713	1473		Neurocomputing	1086	4414	
Theory, Series A			-14.0				306.4
Journal of				Nonlinear			
Combinatorial	663	673		Analysis: Hybrid	1119	1295	
Theory, Series B			1.5	Systems			15.7
Journal of				Nonlinear			
Complexity	887	989		Analysis: Real	1481	1678	
				World			
			11.5	Applications			13.3
Journal of				Ocean Modelling			
Computational							
and Applied	6760	7402			575	1171	
Mathematics			9.5				103.7
Journal of				Operations			
Computational	907	1064		Research Letters	1159	1353	
Science			17.3				16.7
Journal of				Optical Switching			
Computer and	1585	1609		and Networking	3540	668	
System Sciences			1.5				-81.1
Journal of				Parallel			
Differential	4732	4661		Computing	2220	2253	
Equations			-1.5				1.5
Journal of				Pattern			
Econometrics	4415	5001		Recognition	4786	5588	
			13.3				16.8
Journal of				Pattern			
Economic	2682	3103		Recognition	3475	4038	
Dynamics and				Letters			
Control			15.7				16.2
Journal of				Performance			
Functional	3073	3027	-1.5	Evaluation	2581	2595	0.5

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Analysis							
Journal of				Pervasive and			
Geometry and	1919	1737		Mobile	956	1127	
Physics			-9.5	Computing			17.9
Journal of				Review of			
Manufacturing	992	1088		Economic	830	973	
Systems			9.7	Dynamics			17.2
Journal of				Robotics and			
Mathematical				Autonomous			
Analysis and	9433	10582		Systems	2355	2391	
Applications			12.2				1.5
Journal of				Science of			
Mathematical	2399	2710		Computer	1556	1580	
Economics			13	Programming			1.5
Journal of				Signal Processing			
Multivariate	1937	2018			4936	5683	
Analysis			4.2				15.1
Journal of				Signal			
Network and	1308	1579		Processing: Image	1663	1923	
Computer				Communication			
Applications			20.7				15.6
Spatial Statistics				Simulation			
	738	866		Modelling	1550	1755	
				Practice and			
			17.3	Theory			13.2
Speech				Theoretical			
Communication	2181	2435	11.6	Computer Science	5564	5481	-1.5
Statistics &				Topology and its			
Probability	3075	3203		Applications	3095	3141	
Letters			4.2				1.5
Stochastic				Telematics and			
Processes and	1576	1751		Informatics	1657	1899	
their							
Applications			11.1				14.6
L				1	1	1	

Figures 1 and 2 show the points of the field, and linear regression relationship between journal metrics and the subscription price for the first and the second aggregated subject areas of journals (further we'll call it as group 1 and

group 2). In both cases, the best values of the Pearson correlation coefficient were for the dependence between the SJR and the subscription price (Figure 1, 2). Correlation coefficients for all three journal metrics for the second group of journals (Figure 2) were significantly lower than for the first group of journals (Figure 1). Due to the fact, that the

The lack of strong correlations between journal metrics and the subscription price on the market of scientific periodicals depends on that that, that this market is not elastic and highly monopolized.

sales of Mathematics and Computer Science journals are less commercialized than sales of Economics journals.

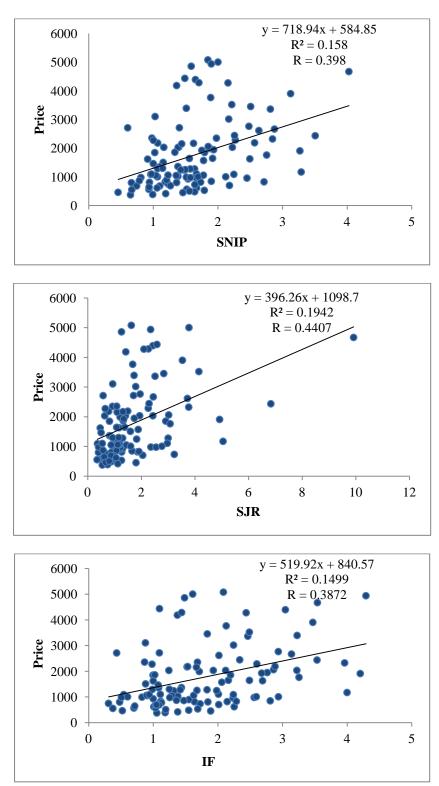
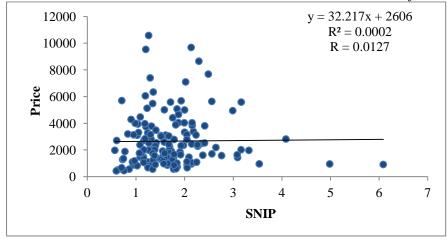
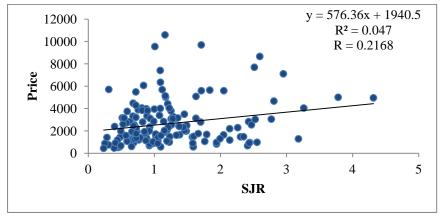


Figure 1. Regression relationships between journal metrics and the subscription price for the first group of journals





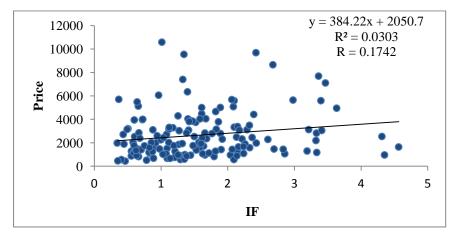


Figure 2. Regression relationships between journal metrics and the subscription price for the second group of journals

Based on the Table 3 and 4, the average subscription prices for both groups of journals were calculated, and based on their values, their growth was calculated.

Table 5: Calculation of average annual growth of the subscription price for both groups of journals.

Journal's Group	Average	Average	Growth, %	Annual Growth,
	Price,	Price,		%
	May 2015	October 2016		
Journals within				
Economics, Finance				

				<u> </u>
Business,	1534.4	1766.3	15.1	10.9
Management and				
Accounting (114)				
Journals				
within Mathematics	2472.8	2660.7	7.6	5.5
and Computer				
Science (150)				

Recalculation of this growth on an annual time interval has been done on the basis of interval of 500 days between the data collection of the subscription prices, provided that they will increase evenly, during the research period. For example, for the first group of journals we put: (15.1*360)/500 = 10.9

As we can see, the growth of the subscription prices on more commercialized market of Economics journals is bigger in two times than on less commercialized market of Mathematics and Computer Science journals.

Conclusion.

The correlation analysis between journal metrics values (SNIP, SJR, IF) and their subscription price of the two group of journals (114 Economics Journals and 150 Mathematics and Computer Science Journals), presented on Elsevier web site in October 2016 have given us the following results.

- For both groups, the best values of Pearson correlation coefficient was observed between SJR and the subscription price.
- 2. Correlation coefficients for all three journal metrics of the second group of journals were significantly lower that at the first group of journals due to the fact that sales of Mathematics and Computer Science journals are less commercialized comparing with the sales of Economics journals.
- 3. The lack of strong correlations between journal metrics and subscription price on the market of scientific periodicals is in total due to the fact that this market is not elastic and over monopolized.

Also it was a conclusion that the growth of the subscription price on the more commercialized market of Economics Journals is approximately twice bigger than on the less commercialized market of Mathematics and Computer Science journals.

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References

1. Abbort, A., 1999. University Libraries Put Pen to Paper in Journal Pricing Protest. Nature, 398:740.

- 2. Ahlgren, P., Waltman, L., 2014 The Correlation between Citation-Based and Expert-Based Assessments of Publication Channels: SNIP and SJR vs. Norwegian Quality Assessments. Journal of Informetrics, 8(4): 985-996.
- 3. Bergstrom, C.T., Bergstrom, T.C., 2006. The Economics of Ecology Journals. Front Ecol. Environ., 4(9):488-495.
- 4. Butler, D., 1999. Referee Quits Journal over Price Rise as Library faces Cutbacks. Nature, 399:623.
- 5. Chung, H.-K., 2007. Evaluating Academic Journals using Impact Factor and Local Citation Score. Journal of Academic Librarianship, 33(3):393-402.
- 6. Chung, H.-K., 2009. An Analysis Model of Creating a Core Journal Collection for Academic Libraries. Library Collections, Acquisitions, and Technical Services, 33(1): 17-24.
- 7. Dong, P. Loh, M., Mondry, A. 2005. The "Impact Factor" Revisited. Biomedical Digital Libraries, 2(7) (http://bio-diglib.biomedcentral.com/articles/10.1186/1742-5581-2-7).
- 8. Garfield, E., 1972. Citation Analysis as a Tool in Journal Evaluation. Science, 178: 471-479.
- 9. Hartemink, A.E., 1999. Publish or Perish (1) Journal Prices and Impact. Bulletin of the International Union of Soil Sciences, 95: 13-17.
- 10. Kurmis, A.P. 2003. Understanding the Limitation of the Journal Impact Factor. Journal of Bone and Joint Surgery American, 85(12): 2449-2454.
- 11. Saha, S., Saint, S., Christakis, D.A., 2003. Impact Factor: a Valid Measure of Journal Quality? J. Med. Libr. Assoc., 91(1):42-46.
- 12. Seglen, P.O., Why the Impact Factor of Journals Should Not Be Used for Evaluating Research. British Medical Journal, 314:498-502.