

An economics journals' ranking that takes into account the number of pages and co-authors

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An economics journals

ranking that takes into account the number of pages and co-authors

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AN ECONOMICS JOURNALS' RANKING THAT TAKES INTO ACCOUNT THE NUMBER OF PAGES AND CO-AUTHORS

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ABSTRACT: In this article I examine whether the academics reward policy must correlate positively with the published number of articles per co-author, number of pages and journals reputation. This is accomplished by estimating a non-linear model with a panel data from 168 economics journals covered in the ISI-Web of Knowledge database (58825 articles). The data reinforces the conjecture that published article value is slightly increasing with the number of co-authors and is proportional to the number of pages. The data also suggests that there are 4 distinct groups related to journal quality that I name A, B+, B and B–.

KEYWORDS: Co-authorship, Value of articles, Assessment of output.

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ABSTRACT: In this article I examine whether the academics reward policy must correlate positively with the published number of articles per co-author, number of pages and journals reputation. This is accomplished by estimating a non-linear model with a panel data from 168 economics journals covered in the ISI-Web of Knowledge database (58825 articles). The data reinforces the conjecture that published article value is slightly increasing with the number of co-authors and is proportional to the number of pages. The data also suggests that there are 4 distinct groups related to journal quality that I name A, B+, B and B-.

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I. INTRODUCTION

OECD countries devote an enormous quantity of resources to scientific activities, an important proportion of these activities being performed by academics. To promote an efficient resource allocation, more productive academics must be encouraged to the detriment of their counterparts. It is therefore important to quantify the value of academics' output. As a rule, in market economies, price is the measure of output value. However, academics are primarily devoted to basic science investigation that

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the market is unable to price (e.g., Freeman and Soete, 1997). Hence, it is essential to develop alternative ways of assessing scientific output.

Universities have been using a panel of judges to compare candidates to a job position or a funding opportunity. But economic science has numerous different areas of expertise, making it difficult to include in the panel experts in all areas of candidates' specialisation. In addition, human beings are biased in favour of those individuals that are similar to them, Webster (1964). To overpass both of these difficulties, the articles published in scientific journals that implement blind refereeing are more and more important in the evaluation of academics.

With the data from 140 USA academic economists, Sauer (1988) provides empirical evidence that academic salaries are significantly increasing with the number of published articles, the number of published pages and journal reputation (divided by the number of co-authors). Among others, Ragan *et al* (1999) corroborate these findings.

In this paper, I intend to examine whether this reward policy is correct. More precisely, I intend to evaluate the hypotheses that there is not a positive correlation between the number of co-authors and article value, and that there is a positive and proportional correlation between pages and article value.

Although these issues have been partially addressed in the literature (e.g., Hudson, 1996, Heck and Zaleski, 1991, Johnson, 1997, Laband and Tollison, 2000; Hollis, 2001, Coupé, 2004), my perspective and methodology are new. First, I use an extended panel data sample (with approximately 60000 articles). Second, I estimate the explicative importance of the variables simultaneously. Third, I use a non-linear model (iso-elastic) where parameters are estimated using Ordinary Least Squares

(*OLS*) and Bootstrapping (Efron, 1979; Efron and Tibshirani 1993) implemented in MS Visual Basic TM. This last issue, although technical, seems to me important because non-linear panel data models are increasingly required in economics and "the maximum likelihood estimator in non-linear panel data models with fixed effects is widely understood to be biased and inconsistent" (Greene, 2002: 1). In contrast, *OLS* estimators are centric, efficient and easily understood.

Given that the primary objective of publication is the diffusion of knowledge, it is acceptable to credit more value to the articles that were cited more often (Laband and Sophocleus, 1985). This association being accepted, it is possible to evaluate the hypotheses with historical data downloaded from the ISI Web of knowledge.

II. THE EMPIRICAL MODEL

The hypothesis that article value is positively correlated with journal reputation, the number of co-authors and the number of pages, results from the conjectures that referees are consistent over time in the evaluation of articles (i.e., rankings are stationary, Vieira, 2004), that each author introduces a different point of view in the article that enlarges its value, and that referees, due to space limitations, are exigent on the relevance of each page expurgating the articles from all non-essential text (Sauer, 1988).

Since the value of an article published in a top-ranking journal is, on average, higher that its counterpart (otherwise, it would not be a top-ranking journal), it seems adequate to assume that co-author and page effect in article value is relative to the journal average value. An adequate functional form of a model is then the exponential. The value (impact) c of an article published in the journal j with a co-

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$$c = \hat{c} + \varepsilon = g(j) \cdot a^{\alpha} \cdot p^{\beta} \cdot t + \varepsilon \tag{1}$$

The impact is proportional to *t* because citations occur as an arriving process.

The function g(i) condenses the fixed-effect of the journal *i* being a measure of the average value of a single authored page published in the journal *j* (see table 1 and table 2).

The journals fixed effect are modelled with dummy variables. As OLS estimators integrate the "average" point, fixed effects are easily estimated using this property:

$$g(j) = \frac{\overline{c}_{j}}{\overline{a}_{j}^{\ \alpha} \cdot \overline{p}_{j}^{\ \beta} \cdot \overline{t}_{j}}$$
(2)

Estimating the fixed-effects this way guarantees that substituting the average value of the explicative variables in the model (1) results in the journal average impact per article.

III. DATA COLLECTION

downloaded from the ISI Web of knowledge Panel data was site isi4.newisiknowledge.com in July 2005. I selected all articles published in the 11 year period between 1986 and 1996 in journals classified as "Social and Behavioural Sciences > Economics" (232 journals) and whose data is downloadable from the "ISI Web of knowledge" (168 journals). I selected the time span between 1986 and 1996 because "approximately 2/3 of all citations occur 13 years after the paper being published", Vieira (2004). The 'excluded' journals have a low 'Impact Factor'.

The collected data includes 58825 articles from 168 journals that, on average, were cited 12.37 times in the time span between the day of publication and July 2005, have 1.60 co-authors and 15.50 pages. The distribution of the number of times each article is cited approximates the exponential negative distribution function, with 20.0% being never cited (see fig.1). Engle and Granger (1987) is the highest impact article (cited 3129 times).

The distribution of co-authorship approximates the exponential negative distribution function as well, with 53.6% of the articles being single authored, 35.0% having two co-authors, 9.7% having three co-authors, 1.4% having four co-authors and the remaining 0.3% having 5 or more co-authors (the maximum is 22 co-authors).

The distribution of pages approximates the log-normal distribution function where 86.6% of the articles have between 4 and 25 pages (see fig. 2) and the maximum is 216 pages. Zero page articles are assumed to be database errors (0.1%) and are excluded from the sample.

In the sample, the journal with higher average number of citations is *Econometrica* with 66.97 citations per article, and the one with lower average number of citations is *Politicka Ekonomie* with 0.05 citations per article (see table 2).

Similar to Hudson (1996), I observe that during this 11 years time span there is a significant increasing tendency in the number of co-authors, a, and pages, p (*t*-statistics in parentheses):

$$\hat{a} = 1.603 + 0.0219 \cdot (t - \bar{t}), R^2 = 0.83\%$$
(502.8) (22.2)
(3)

$$\hat{p} = 15.503 + 0.237 \cdot (t - \bar{t}), R^2 = 0.77\%$$
(4)
(4)

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 This seems to be a co-evolution since on average an additional co-author adds approximately one page to the article:

$$\hat{p} = 13.962 + 0.961 \cdot a, \quad R^2 = 0.73\%$$
(169.2) (20.8)
(5)

For a study of the patterns of co-authorship, see Sutter and Kocher (2004).

IV. ESTIMATION PROCEDURE

The explicative variable and the functional form of the model being known, one needs to estimate the magnitude of the parameters and to test their significance.

Let e_i be the deviation from the observed to the estimated model:

$$e_i(\alpha,\beta) = c_i - \hat{c}_i(\alpha,\beta) = c_i - g(j,t) \cdot a_i^{\alpha} \cdot p_i^{\beta} \cdot t_i$$
(6)

The unknown parameters α and β are estimated by minimizing the sum of squared deviations:

$$R(\alpha,\beta) = \sum_{i} [c_{i} - \hat{c}_{i}(\alpha,\beta)]^{2}$$
(7)

Observe that the model is non-linear and non-linearisable because the data contains articles with zero impact (20.0%). To overcome this difficulty, I use a computational procedure implemented in MS Visual Basic 6.0^{TM} to minimize the expression (7) numerically. As there are just two variables, I use a simple algorithm: I repeat the one variable independent optimisation until α (alpha) and β (beta) stop varying (see fig. 3).

The results of the estimation procedure are:

$$\hat{\alpha} = 0.237; \quad \hat{\beta} = 1.012; \quad R^2 = 20.88\%$$
 (8)

The statistical importance of the model variables is related to the percentage of the sample variance that is reduced by the variables. The journal fixed-effect and the time span reduce the variance by 15.41%, the number of co-authors reduces the variance by 0.47%, and the number of pages reduces the variance by 5.00%. The total reduction is by 20.88%.

V. TESTING ESTIMATES STATISTICAL SIGNIFICANCE

Knowing the distribution function of the model stochastic term and the estimators' algebraic form, it is straightforward to obtain parameter statistics. But the estimator is obtained above through a minimization algorithm and the distribution function of the model stochastic term is not known. An ideal tool to be used in this situation is bootstrapping.

Bootstrapping assumes that statistical properties of the sample are identical to those of the population, being adequate to compute the statistical properties of the estimator by repeatedly re-sampling with reposition the data (see, Efron, 1979; Efron and Tibshirani 1993). I represent the bootstrapping algorithm in Fig. 4 and the estimators' frequency density distribution with 3000 re-samplings in Fig. 5.

Using 3000 re-samplings, coefficients of variation are computed with approximate 1% error (the errors of coefficients of variation of α and β estimators are 0.0588 and 0.1824, respectively). This error is obtained by computing with a fraction of the bootstrapping re-samplings (I used 100) several 'examples' of the coefficient of variation (30 examples), being the computation error the average standard error of these several examples divided by $\sqrt{30}$.

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From the bootstrapping procedure it results as α and β estimators' inverse of the coefficients of variation 4.35 and 18.33, respectively.

Considering "H₀: the parameter is zero" in opposition to "H₁: the parameter is different from zero" and assuming that the estimator distribution is normal, the parameter is significant at a certain level when the inverse of the coefficient of variation is greater than the *t* - distribution critical value.

The normality hypothesis of α and β estimators may not be rejected from the data. Indeed, using the Kolmogorov-Smirnov test at a 10% level of significance (the Kolmogorov-Smirnov critical value is $0.0223 = 1.22/\sqrt{3000}$, observed α and β estimators' Kolmogorov-Smirnov statistics (0.0167 and 0.0193, respectively) are smaller than the corresponding critical value.

Testing the bilateral parameters significance at a 0.1% significance level (the critical value is 3.29), the hypothesis that α or β parameters are equal to zero can be rejected (both parameters are significant at a 0.1% significance level). In addition, one cannot reject the hypothesis that β parameter is equal to one (the value to test, $(\hat{\beta}-1)/S$, is equal to 0.23). Parameter β being equal to one suggests that reviewers are identically exigent on the relevance of each page, maximizing the journals' citation potential.

VI. NON-LIREARITIES IN THE EFFECT OF THE NUMBER OF PAGES

One may test the existence of non-linearity by assuming an extended model where β evolves with the number of pages:

$$\beta = \beta_0 + \beta_1 \cdot \left(\frac{p_i}{\overline{p}_j} - 1\right) \tag{9}$$

The result of the estimation is (the inverse of the coefficient of variation in parentheses):

$$\hat{\alpha} = 0.235(5.03)$$
 $\hat{\beta}_0 = 1.068(2,86)$ $\hat{\beta}_1 = 0.064(0,14)$ $R^2 = 20.88\%$ (10)

Being that the parameter β_1 is statistically non-significant, the data reinforces the assumption that the model (1) is adequate.

VII. CLASSIFICATION OF JOURNALS IN GROUPS

It is certain that journals do not have identical fixed-effects. Nonetheless, from table 2 one sees qualitatively that fixed-effects of those journals that are proximal in the ranking are not statistically different. This suggests that journals can be clustered in a limited number of groups.

The division of the journals in N groups is done by determining the ranking cut-off values (inclusive) that maximizes R^2 (see the example N = 2 in fig. 6).

Testing journals divided in 1, 2, 3 or 4 groups, the model's R^2 becomes 21.0%, 80.3%, 89.7% and 91.2% of the R^2 computed with 168 'groups', respectively. Using as condition to maintain 90% of the model's R^2 , it is adequate to consider journals divided in 4 groups (see table 1).

In table 1, the column "*G points*" scales the fixed effects to 100, turning easier to compare journals' groups. For example, a person that publishes a 3 co-authored 10 pages article in a B+ class journal, a 2 co-authored 12 pages article in a B class journal and a single-authored 15 pages article in a B- class journal sums up 420 points:

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$$\frac{39,6\cdot 3^{0.237}\cdot 10^{1.012}}{3} + \frac{19,2\cdot 2^{0.237}\cdot 12^{1.012}}{2} + \frac{6,7\cdot 2\cdot 1^{0.237}\cdot 15^{1.012}}{1} = 420$$
(11)

Even though I do not have data on the journals that are covered by the ISI database and have been excluded from the analyses, I propose that they should be classified as B– and credited 6,7 points to each single authored page.

It remains to evaluate the hypothesis that there are differences in the influence of the number of co-authors and pages between journals groups. To do this I estimate the model (1) for A class journals (17 journals) and for B– class journals (56 journals) and I compare the estimates.

$$\hat{\alpha}_{A} = 0.260 (3.91) \qquad \hat{\beta}_{A} = 1.045 (14,89)
\hat{\alpha}_{B-} = 0.368 (5.62) \qquad \hat{\beta}_{B-} = 0.812 (14,45)
\hat{\alpha}\hat{\alpha} = -0.108 (-1.15) \qquad \hat{\beta}_{B-} = 0.233 (2.60)^{*}$$
(12)

Statistically there are significant differences in the effect of the number of pages (1% level), being rejected the hypothesis that B– journals pages elasticity is 1 (see fig. 7). This result reinforces the conjecture that B– journals publish fewer articles and with a larger number of pages than optimal.

VIII. CONCLUSION

In this work I validate that it is correct to correlate positively academics remuneration with the number of published articles per co-author, the number of pages and journal reputation although an increase in the number of co-authors causes a small increase in article value. For example, to each co-author of a two co-authored page, it would be more correct to credit value equivalent to 0,59 single authored pages. I have done the evaluation estimating a non-linear model with panel data from 168 economics journals covered by the ISI-Web of Knowledge database throughout

1986-1996. The model is estimated by minimizing the sum of the squares of deviations and I use bootstrap re-sampling to test estimates significance.

Additionally, relating to journals quality, data suggests that there are 4 distinct groups that I named A, B+, B and B–. The grouping of journals using a statistical measure is new in the literature.

Finally, the data reinforces the conjecture that, on average, reviewers maximize journals citation potential (citations/pages average elasticity is one) being that lower-ranking journals' reviewers are less capable of doing that (they accept fewer articles and with larger extension than optimal).

Upon request, the author provides used data and computer programs.

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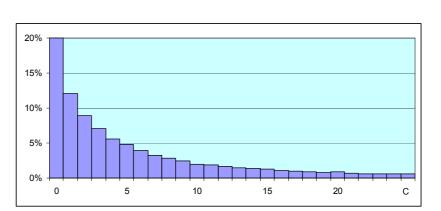
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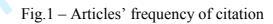
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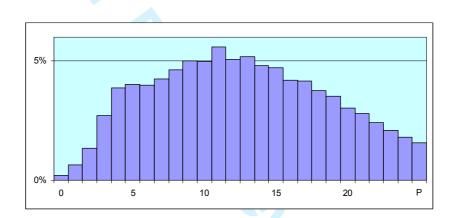


Fig.2 – Number of pages frequency

Function Min_R(alpha,beta) 'minimises R, resulting alpha, beta estimates Dim alpha_a, beta_a Do alpha_a = alpha beta_a = beta Min_R = Min_direction_alpha(alpha, beta) 'results alpha Min_R = Min_direction_beta(alpha, beta) 'results beta Loop While ((alpha_a - alpha)^2 + (beta_a - beta)^2)^0.5 > 0.0001 End Function

Fig.3 – Optimisation algorithm



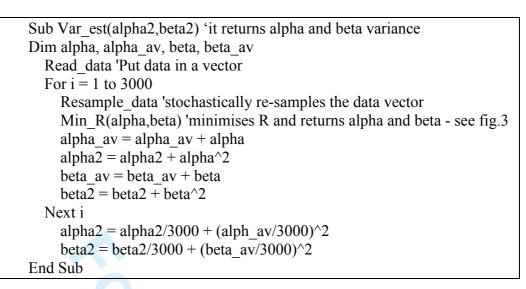


Fig.4 – Bootstrapping algorithm

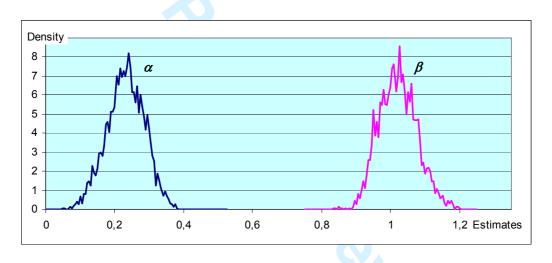


Fig. 5 – Frequency density distribution of the estimator of α and β

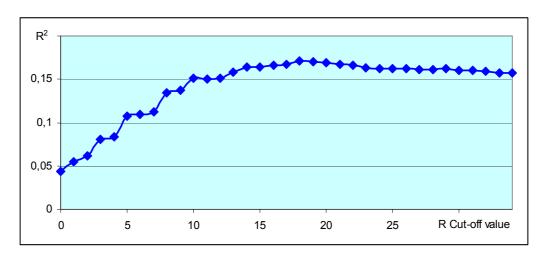


Fig. 6 – Evolution of R^2 with the ranking cut-off value

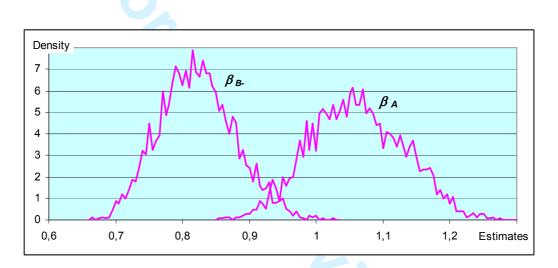


Fig. 7– Frequency density distribution of the estimator of β

Class	a	P	С	g	n	<i>R cut-off</i> (%)	g cut-off	G points
А	1,702	15,64	37,759	0,1464	8801	17 (10%)	0,100	100
B+	1,703	16,78	15,906	0,0580	14646	52 (31%)	0,040	39,6
В	1,616	13,94	6,387	0,0281	20818	112 (67%)	0,020	19,2
B-	1,442	16,37	2,752	0,0098	14560			6,7

Table 1 – Journals groups' statistical information (ordered by *g*)

a – number of co-authors; p – Number of pages; c – Number of times that each article is cited; g – Journals average fixed effect; n – Number of articles; G points – g normalized to 100.

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1	7
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45	-
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5	9
6	

Table 2 – Journals statistica	l information	(ordered by g)
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R	Journal Title (abbreviated)	а	р	С	g	Ν	Class
1	J MARKETING	2.027	13.362	63.091	0.270750	298	Α
2	J CONSUM RES	2.085	12.520	44.198	0.204743	425	Α
3	AMER ECON REV	1.582	10.176	31.495	0.193538	1638	Α
4	J MARKET RES-CHICAGO	2.171	11.712	35.054	0.175033	368	Α
5	ECONOMETRICA	1.673	23.538	66.972	0.169115	568	Α
6	HARVARD BUS REV	1.491	6.005	15.870	0.166175	562	Α
7	J ECON LIT	1.258	27.955	65.438	0.161881	89	Α
8	J POLIT ECON	1.612	23.812	60.545	0.150609	611	Α
9	J ECON PERSPECT	1.314	15.129	31.425	0.143103	433	Α
10	QUART J ECON	1.662	24.230	54.288	0.136693	473	Α
11	J BUS ECON STAT	1.691	9.241	18.256	0.118319	527	Α
12	HEALTH ECONOMICS	2.411	11.589	17.300	0.117988	90	Α
13	J FINAN ECON	1.892	26.160	52.743	0.117453	424	Α
14	J FINAN	1.847	21.639	39.418	0.108276	699	Α
15	REV ECON STATIST	1.772	9.646	16.410	0.102671	653	А
16	REV ECON STUD	1.578	17.658	30.653	0.102549	479	Α
17	RAND J ECON	1.606	16.054	27.651	0.102157	464	Α
18	J MONETARY ECON	1.541	20.812	32.011	0.094915	473	B+
19	MARKET SCI	1.943	16.833	22.882	0.083116	228	B+
20	J HEALTH ECON	1.946	18.339	24.194	0.079155	242	B+
21	ECON J	1.633	13.851	16.503	0.075379	858	B+
22	J ENVIRON ECON MANAGE	1.738	14.968	17.977	0.074755	443	B+
23	J ECONOMETRICS	1.720	21.758	25.347	0.071679	803	B+
24	REV FINANC STUD	1.865	29.847	31.088	0.071199	215	B+
25	J RISK UNCERTAINTY	1.842	17.063	16.579	0.068677	190	B+
26	ECOL ECON	1.872	11.694	9.461	0.067321	219	B+
27	J INT BUS STUD	1.799	18.932	21.346	0.067122	309	B+
28	OXFORD BULL ECON STAT	1.640	16.132	16.814	0.065097	302	B+
29	J PROD ANAL	1.846	17.423	13.058	0.064628	52	B+
30	AMER J AGR ECON	1.957	8.719	9.286	0.062335	1424	B+
31	J LAW ECON ORGAN	1.590	23.133	21.029	0.060554	173	B+
32	J ROY STATIST SOC SER A STAT	2.009	17.202	18.039	0.060283	233	B+
33	J ACCOUNT ECON	1.879	25.481	23.699	0.056869	206	B+
34	J BUS VENTURING	1.989	15.876	14.847	0.056797	275	B+
35	J APPL ECONOM	1.702	17.011	14.672	0.056551	265	B+
36	J BUS	1.712	21.510	21.158	0.055986	292	
37	J BUS ETHICS	1.591	9.437	8.327	0.055806	1031	B+
38	GAME ECON BEHAV	1.685	19.451	13.749	0.055273	295	B+
39	J ECON THEOR	1.562	21.323	17.710	0.053754	651	B+
40	J IND ECON	1.560	15.090	13.175	0.053709	332	
41	ECONOMET THEORY	1.465	18.116	13.050	0.052497	301	B+
42	J FINAN QUANT ANAL	1.771	15.984	13.962	0.052132	367	B+
43	J RETAIL	2.095	20.837	18.168	0.049662	185	B+
44	J LABOR ECON	1.545	24.335	19.715	0.048594	319	B+
45	J INT ECON	1.499	17.517	13.930	0.047855	445	B+
46	J MONEY CREDIT BANKING	1.530	15.741	11.186	0.047363	474	B+
47	J LAW ECON	1.606	26.614	19.287	0.044779	251	B+
48	J ACCOUNT RES	1.818	21.888	16.578	0.042807	258	B+

R	Journal Title (abbreviated)	а	,	С	g	N	Class
	EUR ECON REV		<i>p</i> 15.283		0		B+
	J PUBLIC ECON	1.597				740	B+
						491	B+
	J URBAN ECON	1.558				254	B+
	J PUBLIC POLICY MARKETING	1.949			0.040736		B
	WORLD BANK RES OBSERVER	2.044				45	B
	INT J FORECASTING	1.810				405	B
	J ECON DYN CONTROL	1.554		11.149		542	B
	ECON LETT	1.482				2311	
	SMALL BUS ECON	1.594				155	B
	J INT MONEY FINAN	1.524				431	B
	J FINANC INTERMED	1.750		10.857	0.035834	28	
	HOUS POLICY DEBATE	1.395			0.035763	43	B
	ECON DEV Q	1.558				52	B
	INT J IND ORGAN	1.508			0.035213	329	B
	ACCOUNT REV	1.806				341	B
	J ECON BEHAV ORGAN	1.487				528	B
	J BUS RES	2.071				562	B
	INT ECON REV	1.585		9.306		602	В
	POST-SOV AFF	1.409		9.364		66	В
	J ECON MANAGE STRATEGY	1.667				42	В
	J EVOL ECON	1.800		7.000		15	В
	INT REV LAW ECONOMICS	1.525				59	В
71	CONTEMP ECONOMIC POLICY	1.690	11.595	4.587	0.033325	126	В
72	ECON INQ	1.561	14.779	8.073	0.033143	560	В
73	J MATH ECON	1.479	16.609	8.482	0.032026	353	В
74	WORLD BANK ECON REV	1.703	21.473	11.100	0.031886	279	В
75	APPL ECON LETTERS	1.617	3.872	1.329	0.031772	298	В
76	FINAN MANAGE	1.997	10.906	5.897	0.030925	331	В
77	J AGR RESOUR ECON	2.304	13.328	5.688	0.030727	125	В
78	ECONOMIC THEORY	1.678	17.240	5.901	0.030534	121	В
79	ECONOMICA	1.507	14.696	7.268	0.030304	364	В
80	OXFORD REV ECON POLICY	1.419	16.831	6.775	0.030223	160	В
81	ACCOUNT ORGAN SOC	1.652	18.168	9.090	0.029625	345	В
82	ECON PHIL	1.106	21.203	9.252	0.029586	123	В
83	NAT TAX J	1.533	12.641	6.004	0.029174	454	В
84	SOC CHOICE WELFARE	1.356	13.284	5.990	0.028609	289	В
85	J TRANSP ECON POLICY	1.723	14.404	6.545	0.027673	207	В
86	J REGUL ECON	1.749	16.777	6.402	0.027483	179	В
87	J DEVELOP ECON	1.508	19.905	9.138	0.027445	567	В
88	OXFORD ECON PAP-NEW SER	1.546	17.277	7.746	0.027345	467	В
89	J BANK FINAN	1.990	17.654	7.316	0.025748	624	В
90	ENERGY J	1.943	20.931	6.989	0.025604	87	В
91	J POPUL ECON	1.716	17.385	5.670	0.025364	109	В
92	J COMMON MARKET STUD	1.352			0.025084	230	В
	RESOUR ENERGY ECON	1.693			0.025082	75	В
	J REAL ESTATE FINANC ECON	2.045		4.865		133	В
	J AGR ECON	1.702		4.798	0.024928	342	В
	CHINA ECON REV	1.438			0.023915	16	В
	SCAND J ECON	1.471	14.987	6.013	0.023721	399	В
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Table 2 – Journals statistical information (continuation)

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98 INT J GAME THEORY 1.566 15.329 5.655 0.02322 249 B 99 ENERG ECON 1.613 9.131 3.485 0.02302 344 B 100 J PORTFOLIO MANAGE 1.663 6.473 2.454 0.022404 497 B 101 JINST THEOR ECON 1.248 16.718 5.695 0.022894 298 B 103 JINST THEOR ECON 1.251 14.62 4.924 0.022141 H5 104 INSUR MATH ECON 1.604 9.792 3.538 0.02199 320 B 105 JCOMP ECON 1.441 18.694 6.578 0.02195 JB 106 NERLECON 1.451 15.93 4.296 0.02176 JAB 109 APPLECON 1.646 1.033 5.479 0.02105 S24 101 FUTRES MARKETS 1.840 15.403 5.479 0.02135 S24 102 DAD 1.652 1.4.470 4.413 0	R	Journal Title (abbreviated)	a	р	С	g	N	Class
100 J PORTFOLIO MANAGE 1.683 6.473 2.454 0.022940 497 B 101 CAMB J ECON 1.248 16.718 5.695 0.022844 298 B 102 SOUTHERN ECON 1.253 14.622 4.442 0.022311 415 B 103 INSUR MATH ECON 1.641 18.694 6.578 0.022199 320 B 106N ENGL ECON REV 1.454 15.593 4.296 0.021365 524 B 107 ECON PSYCH 1.785 18.853 6.687 0.02135 524 B 108 PUURES MARKETS 1.840 15.403 5.479 0.02135 524 B 109 APPL ECON 1.646 10.335 A470 0.02136 749 B 112 INT MORTARY FUND STAFF PAP 1.531 2.7429 8934 0.020136 749 B 112 INT MORTARY FUND STAFF PAP 1.531 1.642 0.019391 33 B </td <td>98</td> <td>INT J GAME THEORY</td> <td>1.566</td> <td>15.329</td> <td>5.655</td> <td>0.023224</td> <td>249</td> <td>В</td>	98	INT J GAME THEORY	1.566	15.329	5.655	0.023224	249	В
101 CAMB J ECON 1.248 16.718 5.695 0.022894 298 B 103 JINST THEOR ECON 1 1.677 12.555 4.646 0.022681 776 B 103 JINST THEOR ECON 1.604 9.792 3.538 0.022181 415 B 104 INSUM MATH ECON 1.604 9.792 3.538 0.022199 320 B 105 JCOMP ECON 1.441 18.694 6.578 0.021216 104 B 107 JECON REV 1.785 18.853 6.687 0.021305 524 B 108 JFUTURES MARKETS 1.840 15.403 5.479 0.02136 749 B 110 EUR REV AGRIC ECON 1.760 17.219 4.604 0.02025 66 B 112 DTM ONETARY FUND STAFF PAP 1.531 27.429 8.94 0.020071 303 B 113 KYKLOS 1.438 18.109 5.838 0.019831 <td>99</td> <td>ENERG ECON</td> <td>1.613</td> <td>9.131</td> <td>3.485</td> <td>0.023212</td> <td>344</td> <td>В</td>	99	ENERG ECON	1.613	9.131	3.485	0.023212	344	В
102 SOUTHEEN ECON J 1.677 12.555 4.646 0.022681 776 B 103 JINST THEOR ECON 1.253 14.622 4.942 0.022311 415 B 104 INSUR MATH ECON 1.604 9.792 3.538 0.022248 318 B 106 JI COMP ECON 1.441 18.694 6.578 0.022199 320 B 107 J ECON PSYCH 1.441 18.694 6.578 0.022176 104 B 107 J ECON PSYCH 1.785 18.853 6.667 0.021857 326 B 108 J FUTURES MARKETS 1.840 15.403 5.479 0.02105 524 B 110 EAN JECON 1.526 1.470 4.13 0.02016 749 B 111 CAN J ECON 1.526 1.470 4.13 0.02017 303 B 113 FINAN SERV RES 1.596 16.956 5.17 0.01907 114 B 115 FINAN SERV RES 1.596 16.956 5.173 0.019087	100	J PORTFOLIO MANAGE	1.683	6.473	2.454	0.022940	497	В
103 103 1033 1041 118 114 118 114 118 104 1043 1033 1043 1043 1043 1053 104	101	CAMB J ECON	1.248	16.718	5.695	0.022894	298	В
104 INSUR MATH ECON 1.604 9.792 3.538 0.022248 318 B 105 I COMP ECON 1.441 18.694 6.578 0.022193 B 106 N ENGL ECON REV 1.454 15.593 4.296 0.022175 104 B 107 JECON PSYCH 1.785 18.853 6.687 0.021857 326 B 108 J FUTURES MARKETS 1.840 15.403 5.479 0.021305 524 B 109 APPL ECON 1.646 10.335 3.478 0.021036 749 B 111 CAN J ECON 1.526 1.4470 4.413 0.020136 749 B 112 INT MONETARY FUND STAFF PAP 1.531 27.429 8.934 0.020071 303 B 113 IFINAN SERV RES 1.596 6.596 5.175 0.019871 114 B 114 HOUS ECON 1.511 10.136 3.050 0.01884 351 B	102	SOUTHERN ECON J	1.677	12.555	4.646	0.022681	776	В
105 1050 1070	103	J INST THEOR ECON	1.253	14.622	4.942	0.022311	415	В
106 N ENGL ECON REV 1.454 15.593 4.296 0.022176 104 B 107 J ECON PSYCH 1.785 18.853 6.687 0.021857 326 B 109 APPL ECON 1.646 10.33 3.478 0.021069 1580 B 110 EUR REV AGRIC ECON 1.646 10.35 3.478 0.021069 1580 B 111 CAN J ECON 1.526 14.470 4.413 0.021071 303 B 112 INT MONETARY FUND STAFF PAP 1.531 27.429 8.934 0.020071 303 B 113 KYKLOS 1.438 18.09 5.838 0.019613 265 B 114 HOUS ECON 1.879 20.879 4.667 0.019391 33 B 115 IFINA SEEV RES 1.596 6.775 0.337 0.018183 104 B 117 REV INDUSTRIAL ORGAN 1.452 1.6721 3.337 0.018183 104 </td <td>104</td> <td>INSUR MATH ECON</td> <td>1.604</td> <td>9.792</td> <td>3.538</td> <td>0.022248</td> <td>318</td> <td>В</td>	104	INSUR MATH ECON	1.604	9.792	3.538	0.022248	318	В
101 J ECON PSYCH 1785 18.83 6.687 0.021857 326 B 109 J FUTURES MARKETS 1.840 15.403 5.479 0.021857 326 B 100 J ECON PSYCH 1.760 17.219 4.604 0.020225 96 B 110 EUR REV AGRIC ECON 1.760 17.219 4.604 0.020136 749 B 111 CAN J ECON 1.526 14.470 4.413 0.020136 749 B 112 INT MONETARY FUND STAFF PAP 1.531 27.429 8.934 0.020071 303 B 113 J FINAN SERV RES 1.438 18.109 5.838 0.019037 114 B 115 J FINAN SERV RES 1.596 6.055 0.019087 114 B 116 J ECON EDUC 1.511 10.136 3.050 0.018884 351 B 117 REV INDUSTRIAL ORGAN 1.452 16.721 3.337 0.01884 351 B 119 JINT MARKETING 1.903 8.200 4.056 0.017978 31 B 120 AGR ECON 2.051 1.4180 3.581<	105	J COMP ECON	1.441	18.694	6.578	0.022199	320	В
108 J FUTURES MARKETS 1.840 15.403 5.479 0.021305 524 B 109 APPL ECON 1.646 10.335 3.478 0.021069 1580 B 110 ECN REV AGRIC ECON 1.760 17.219 4.604 0.02025 96 B 111 CAN J ECON 1.526 14.470 4.413 0.020136 749 B 112 INT MONETARY FUND STAFF PAP 1.531 27.429 8.934 0.020071 303 B 113 KYKLOS 1.438 18.109 5.838 0.019087 114 B 115 J FINAN SERV RES 1.596 16.721 3.337 0.018183 104 B 116 J ECON EDUC 1.511 10.136 3.050 0.01788 217 B 119 J INT MARKETING 1.903 18.200 4.065 0.01778 31 B 120 AGR ECON 2.051 14.180 3.581 0.01778 B	106	N ENGL ECON REV	1.454	15.593	4.296	0.022176	104	В
100 APPL ECON 1.646 10.335 3.478 0.021069 1580 B 110 EUR REV AGRIC ECON 1.760 17.219 4.604 0.020225 96 B 111 CAN J ECON 1.526 14.470 4.413 0.02013 6749 B 112 INT MONETARY FUND STAFF PAP 1.531 27.429 8.934 0.020071 303 B 113 KYKLOS 1.438 18.109 5.838 0.019613 265 B 114 J HOUS ECON 1.879 20.879 4.667 0.019391 33 B 115 J ECON EDUC 1.511 10.136 3.050 0.01883 104 B 117 REV INDUSTRIAL ORGAN 1.452 16.721 3.337 0.018183 104 B 112 IAGR ECON 2.020 1.644 4.70 0.017122 45 122 AUDITING-J PRACT THEOR 1.896 6.240 4.470 0.01641 131 <t< td=""><td>107</td><td>J ECON PSYCH</td><td>1.785</td><td>18.853</td><td>6.687</td><td>0.021857</td><td>326</td><td>В</td></t<>	107	J ECON PSYCH	1.785	18.853	6.687	0.021857	326	В
110 EUR REV AGRIC ECON 1.760 17.219 4.604 0.020225 96 B 111 CAN J ECON 1.526 14.470 4.413 0.020136 749 B 112 INT MONETARY FUND STAFF PAP 1.531 27.429 8.934 0.020013 265 B 113 KYKLOS 1.438 18.109 5.838 0.019613 265 B 114 J HOUS ECON 1.879 20.879 4.667 0.019391 33 B 115 J FINAN SERV RES 1.596 16.956 5.175 0.019087 114 B 116 J ECON EDUC 1.511 10.136 3.050 0.018884 351 B 117 REV INDUSTRIAL ORGAN 1.452 16.721 3.37 0.018151 49 B 119 J INT MARKETING 1.903 18.290 4.065 0.01778 31 B 122 AUDITING-J PRACT THEOR 1.896 16.240 4.470 0.01641	108	J FUTURES MARKETS	1.840	15.403	5.479	0.021305	524	В
111 CAN J ECON 1.526 14.470 4.413 0.020136 749 B 112 INT MONETARY FUND STAFF PAP 1.531 27.429 8.934 0.020071 303 B 113 J FNAN SERV RES 1.438 18.109 5.838 0.019613 265 B- 115 J FINAN SERV RES 1.596 16.956 5.175 0.019087 114 B- 116 J ECON EDUC 1.511 10.136 3.050 0.018884 351 B- 117 REV INDUSTRIAL ORGAN 1.452 16.721 3.337 0.018151 49 B- 119 J INT MARKETING 1.903 18.290 4.065 0.017978 31 B- 120 AGR ECON 2.051 14.180 3.581 0.01788 217 B- 121 GENEVA PAP RISK INSUR THEORY 1.578 17.022 3.667 0.017122 45 B- 122 JUDTING-J PRACT THEOR 1.896 16.240 4.470 0.01644 131 B- 124 MATH SOC SCI 1.464	109	APPL ECON	1.646	10.335	3.478	0.021069	1580	В
Information Instruct Inststruct Instruct Instruct	110	EUR REV AGRIC ECON	1.760	17.219	4.604	0.020225	96	В
Instruct Instruct	111	CAN J ECON	1.526	14.470	4.413	0.020136	749	В
113 KYKLOS 1.438 18.109 5.838 0.019613 265 B- 114 J HOUS ECON 1.879 20.879 4.667 0.019391 33 B- 115 J FINAN SERV RES 1.596 16.956 5.175 0.019087 114 B- 116 J ECON EDUC 1.511 10.136 3.050 0.018884 351 B- 117 REV INDUSTRIAL ORGAN 1.452 16.721 3.337 0.018183 104 B- 118 REAL ESTATE ECON 2.020 21.694 4.571 0.018151 49 B- 120 AGR ECON 2.051 14.180 3.581 0.017788 217 B- 121 GENEVA PAP RISK INSUR THEORY 1.578 17.022 3.667 0.017122 45 B- 123 JPN INT ECON 1.641 2.292 5.221 0.016471 183 B- 124 MATH SOC SCI 1.464 17.228 4.442 0.016064 351 B- 125 ECON REC 1.575 11.450 2.9	112	INT MONETARY FUND STAFF PAP	1.531	27.429	8.934	0.020071	303	В
114 J HOUS ECON 1.879 20.879 4.667 0.019391 33 B- 115 J FINAN SERV RES 1.596 16.956 5.175 0.019087 114 B- 116 J ECON EDUC 1.511 10.136 3.050 0.018884 351 B- 117 REV INDUSTRIAL ORGAN 1.452 16.721 3.337 0.018151 49 B- 119 J INT MARKETING 1.903 18.290 4.065 0.017978 31 B- 120 AGR ECON 2.051 14.180 3.581 0.017788 217 B- 121 GENEVA PAP RISK INSUR THEORY 1.578 17.022 3.667 0.016471 183 B- 122 AUDITING-J PRACT THEOR 1.896 16.240 4.470 0.016441 131 B- 124 MATH SOC SCI 1.641 22.992 5.221 0.015716 327 B- 125 ECON REC 1.575 11.450 2.945 0.015716 327 B- 125 I HEOR DECIS 1.464 2.0241 4.775 0.01448 51 B- 126 J RISK INS 1.825 17	113	KYKLOS	1.438			0.019613	265	B-
115 J FINAN SERV RES 1.596 16.956 5.175 0.019087 114 B- 116 J ECON EDUC 1.511 10.136 3.050 0.018884 351 B- 117 REV INDUSTRIAL ORGAN 1.452 16.721 3.337 0.018183 104 B- 118 REAL ESTATE ECON 2.020 21.694 4.571 0.018151 44 B- 120 AGR ECON 2.051 14.180 3.581 0.017788 217 B- 121 GENEVA PAP RISK INSUR THEORY 1.578 17.022 3.667 0.017122 45 B- 122 AUDITING-J PRACT THEOR 1.896 16.240 4.470 0.016471 183 B- 123 JPN INT ECON 1.641 12.292 5.221 0.016144 131 B- 124 MATH SOC SCI 1.464 17.228 4.442 0.016471 183 B- 125 ECON REC 1.575 11.450 2.945 0.015716 327 B- 126 J RISK INS 1.825 17.495 </td <td></td> <td></td> <td>1.879</td> <td>20.879</td> <td></td> <td>0.019391</td> <td>33</td> <td>B-</td>			1.879	20.879		0.019391	33	B-
116 J ECON EDUC 1.511 10.136 3.050 0.018884 351 B- 117 REV INDUSTRIAL ORGAN 1.452 16.721 3.337 0.018183 104 B- 118 REAL ESTATE ECON 2.020 21.694 4.571 0.018151 49 B- 119 JINT MARKETING 1.903 18.290 4.065 0.017978 31 B- 120 AGR ECON 2.051 14.180 3.581 0.017788 217 B- 122 AUDITING-J PRACT THEOR 1.896 16.240 4.470 0.016141 183 B- 123 J JPN INT ECON 1.641 22.992 5.221 0.016144 131 B- 124 MATH SOC SCI 1.464 17.228 4.442 0.016064 351 B- 125 ECON REC 1.575 11.450 2.945 0.015716 327 B- 126 J RISK INS 1.825 17.495 4.512 0.014506 660 B- 129 HEOR DECIS 1.449 20.241 4.77						0.019087	114	B-
117 REV INDUSTRIAL ORGAN 1.452 16.721 3.337 0.018183 104 B- 118 REAL ESTATE ECON 2.020 21.694 4.571 0.018151 49 B- 119 JINT MARKETING 1.903 18.290 4.065 0.017978 31 B- 120 AGR ECON 2.051 14.180 3.581 0.017788 217 B- 121 GENEVA PAP RISK INSUR THEORY 1.578 17.022 3.667 0.01712 45 B- 122 AUDITING-J PRACT THEOR 1.896 16.240 4.470 0.016471 183 B- 123 JPN INT ECON 1.641 12.292 5.221 0.016064 351 B- 125 ECON REC 1.575 11.450 2.945 0.015716 327 B- 126 J RISK INS 1.825 17.495 4.512 0.015254 297 B- 127 J ECON ISSUE 1.212 15.309 3.560 0.015061 693 B- 130 FUROR DECIS 1.449 20.241	116	J ECON EDUC	1.511			0.018884	351	B-
118 REAL ESTATE ECON 2.020 21.694 4.571 0.018151 49 B- 119 J INT MARKETING 1.903 18.290 4.065 0.017978 31 B- 120 AGR ECON 2.051 14.180 3.581 0.017788 217 B- 121 GENEVA PAP RISK INSUR THEORY 1.578 17.022 3.667 0.017122 45 B- 122 AUDITING-J PRACT THEOR 1.896 16.240 4.470 0.016441 131 B- 123 J JPN INT ECON 1.641 22.992 5.221 0.016064 351 B- 125 ECON REC 1.575 11.464 17.228 4.442 0.016064 351 B- 125 ECON REC 1.575 11.450 2.945 0.015716 327 B- 126 J RISK INS 1.825 17.495 4.512 0.015254 297 B- 127 J ECON ISSUE 1.212 15.309 3.560 0.015061 693 B- 129 THEOR DECIS 1.449 <t< td=""><td>117</td><td>REV INDUSTRIAL ORGAN</td><td>1.452</td><td></td><td></td><td>0.018183</td><td>104</td><td>B-</td></t<>	117	REV INDUSTRIAL ORGAN	1.452			0.018183	104	B-
119 J INT MARKETING 1.903 18.290 4.065 0.017978 31 B- 120 AGR ECON 2.051 14.180 3.581 0.017788 217 B- 121 GENEVA PAP RISK INSUR THEORY 1.578 17.022 3.667 0.017122 45 B- 122 AUDITING-J PRACT THEOR 1.896 16.240 4.470 0.016471 183 B- 123 J JPN INT ECON 1.641 22.992 5.221 0.016144 131 B- 124 MATH SOC SCI 1.464 17.228 4.442 0.016064 351 B- 125 ECON REC 1.575 11.450 2.945 0.015716 327 B- 126 J RISK INS 1.825 17.495 4.512 0.015254 297 B- 127 J ECON ISSUE 1.212 15.309 3.560 0.016061 633 B- 129 THEOR DECIS 1.449 20.241 4.775 0.01440 316 B- 130 FUTURES 1.246 12.137 2.5			2.020	21.694		0.018151	49	B-
120 AGR ECON 2.051 14.180 3.581 0.017788 217 B- 121 GENEVA PAP RISK INSUR THEORY 1.578 17.022 3.667 0.017122 45 B- 122 AUDITING-J PRACT THEOR 1.896 16.240 4.470 0.016471 183 B- 123 J JPN INT ECON 1.641 22.992 5.221 0.016144 131 B- 124 MATH SOC SCI 1.464 17.228 4.442 0.016064 351 B- 125 ECON REC 1.575 11.450 2.945 0.015716 327 B- 126 J RISK INS 1.825 17.495 4.512 0.015061 693 B- 127 J ECON ISSUE 1.212 15.309 3.560 0.015061 693 B- 129 THEOR DECIS 1.449 20.241 4.775 0.014640 316 B- 131 FOOD POLICY 1.518 11.021 2.479 0.014485 382 B- 132 DEFENCE PEACE ECONOMICS 1.564 15.600							31	B-
121 GENEVA PAP RISK INSUR THEORY 1.578 17.022 3.667 0.017122 45 B- 122 AUDITING-J PRACT THEOR 1.896 16.240 4.470 0.016471 183 B- 123 J JPN INT ECON 1.641 22.992 5.221 0.016144 131 B- 124 MATH SOC SCI 1.464 17.228 4.442 0.016064 351 B- 125 ECON REC 1.575 11.450 2.945 0.015716 327 B- 126 J RISK INS 1.825 17.495 4.512 0.015254 297 B- 127 J ECON ISSUE 1.212 15.309 3.560 0.015061 693 B- 128 COMMUNIST ECON ECON TRANSFORM 1.569 17.804 2.941 0.014948 51 B- 129 THEOR DECIS 1.449 20.241 4.775 0.014640 316 B- 130 FUTURES 1.246 12.137 2.550 0.014506 660 B- 131 FOOD POLICY 1.518 11.021<							217	B-
122 AUDITING-J PRACT THEOR 1.896 16.240 4.470 0.016471 183 B- 123 J PN INT ECON 1.641 22.992 5.221 0.016144 131 B- 124 MATH SOC SCI 1.464 17.228 4.442 0.016064 351 B- 125 ECON REC 1.575 11.450 2.945 0.015716 327 B- 126 J RISK INS 1.825 17.495 4.512 0.015254 297 B- 127 J ECON ISSUE 1.212 15.309 3.560 0.015061 693 B- 128 COMMUNIST ECON ECON TRANSFORM 1.569 17.804 2.941 0.014948 51 B- 129 THEOR DECIS 1.449 20.241 4.775 0.014640 316 B- 130 FUTURES 1.246 12.137 2.550 0.014506 660 B- 131 FOOD POLICY 1.518 11.021 2.479 0.014485 382 B- 132 DEFENCE PEACE ECONOMICS 1.564 15.600							45	B-
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124 MATH SOC SCI 1.464 17.228 4.442 0.016064 351 B- 125 ECON REC 1.575 11.450 2.945 0.015716 327 B- 126 J RISK INS 1.825 17.495 4.512 0.015254 297 B- 127 J ECON ISSUE 1.212 15.309 3.560 0.015061 693 B- 128 COMMUNIST ECON ECON TRANSFORM 1.569 17.804 2.941 0.014948 51 B- 129 THEOR DECIS 1.449 20.241 4.775 0.014640 316 B- 130 FUTURES 1.246 12.137 2.550 0.014450 660 B- 131 FOOD POLICY 1.518 11.021 2.479 0.014485 382 B- 132 DEFENCE PEACE ECONOMICS 1.564 15.600 2.709 0.014176 55 B- 133 WELTWIRTSCHAFTL ARCH 1.553 18.464 4.297 0.013506 394 B- 135 WORLD ECON 1.405 15.483							131	B-
125ECON REC1.57511.4502.9450.015716327B-126J RISK INS1.82517.4954.5120.015254297B-127J ECON ISSUE1.21215.3093.5600.015061693B-128COMMUNIST ECON ECON TRANSFORM1.56917.8042.9410.01494851B-129THEOR DECIS1.44920.2414.7750.014640316B-130FUTURES1.24612.1372.5500.014506660B-131FOOD POLICY1.51811.0212.4790.014485382B-132DEFENCE PEACE ECONOMICS1.56415.6002.7090.01417655B-133WELTWIRTSCHAFTL ARCH1.55318.4644.2970.013506394B-134SCOT J POLIT ECON1.40515.4833.1010.012989296B-135WORLD ECON1.34617.3543.3600.012827367B-136REV INCOME WEALTH1.61817.4063.5340.012642244B-137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.01123739B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739	124	MATH SOC SCI	1.464				351	B-
126J RISK INS1.82517.4954.5120.015254297B-127J ECON ISSUE1.21215.3093.5600.015061693B-128COMMUNIST ECON ECON TRANSFORM1.56917.8042.9410.01494851B-129THEOR DECIS1.44920.2414.7750.014640316B-130FUTURES1.24612.1372.5500.014506660B-131FOOD POLICY1.51811.0212.4790.014485382B-132DEFENCE PEACE ECONOMICS1.56415.6002.7090.01417655B-133WELTWIRTSCHAFTL ARCH1.55318.4644.2970.013506394B-134SCOT J POLIT ECON1.40515.4833.1010.012989296B-135WORLD ECON1.34617.3543.3600.012827367B-136REV INCOME WEALTH1.61817.4063.5340.012642244B-137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.011329294B-139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.							327	B-
127J ECON ISSUE1.21215.3093.5600.015061693B-128COMMUNIST ECON ECON TRANSFORM1.56917.8042.9410.01494851B-129THEOR DECIS1.44920.2414.7750.014640316B-130FUTURES1.24612.1372.5500.014506660B-131FOOD POLICY1.51811.0212.4790.014485382B-132DEFENCE PEACE ECONOMICS1.56415.6002.7090.01417655B-133WELTWIRTSCHAFTL ARCH1.55318.4644.2970.013506394B-134SCOT J POLIT ECON1.40515.4833.1010.012989296B-135WORLD ECON1.34617.3543.3600.012827367B-136REV INCOME WEALTH1.61817.4063.5340.012642244B-137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.01339294B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915<			1.825		4.512	0.015254	297	B-
128 COMMUNIST ECON ECON TRANSFORM 1.569 17.804 2.941 0.014948 51 B- 129 THEOR DECIS 1.449 20.241 4.775 0.014640 316 B- 130 FUTURES 1.246 12.137 2.550 0.014506 660 B- 131 FOOD POLICY 1.518 11.021 2.479 0.014485 382 B- 132 DEFENCE PEACE ECONOMICS 1.564 15.600 2.709 0.014176 55 B- 133 WELTWIRTSCHAFTL ARCH 1.553 18.464 4.297 0.013506 394 B- 134 SCOT J POLIT ECON 1.405 15.483 3.101 0.012989 296 B- 135 WORLD ECON 1.346 17.354 3.360 0.012827 367 B- 136 REV INCOME WEALTH 1.618 17.406 3.534 0.012642 244 B- 137 BROOKINGS PAP ECON ACTIV 1.906 52.801 12.063 0.012490 184 B- 138 J MARKET RES SOC 1.565<			1.212			0.015061	693	B-
129THEOR DECIS1.44920.2414.7750.014640316B-130FUTURES1.24612.1372.5500.014506660B-131FOOD POLICY1.51811.0212.4790.014485382B-132DEFENCE PEACE ECONOMICS1.56415.6002.7090.01417655B-133WELTWIRTSCHAFTL ARCH1.55318.4644.2970.013506394B-134SCOT J POLIT ECON1.40515.4833.1010.012989296B-135WORLD ECON1.34617.3543.3600.012827367B-136REV INCOME WEALTH1.61817.4063.5340.012642244B-137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.01339294B-139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-142MANCHESTER SCH ECON SOC STUD1.45716.2422.8360.011176256B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.672<	128	COMMUNIST ECON ECON TRANSFORM	1.569	17.804	2.941	0.014948	51	B-
131 FOOD POLICY 1.518 11.021 2.479 0.014485 382 B- 132 DEFENCE PEACE ECONOMICS 1.564 15.600 2.709 0.014176 55 B- 133 WELTWIRTSCHAFTL ARCH 1.553 18.464 4.297 0.013506 394 B- 134 SCOT J POLIT ECON 1.405 15.483 3.101 0.012989 296 B- 135 WORLD ECON 1.346 17.354 3.360 0.012827 367 B- 136 REV INCOME WEALTH 1.618 17.406 3.534 0.012642 244 B- 137 BROOKINGS PAP ECON ACTIV 1.906 52.801 12.063 0.012490 184 B- 138 J MARKET RES SOC 1.565 13.473 2.697 0.012339 294 B- 139 CAN J AGR ECON-REV CAN ECON R 1.905 12.712 2.590 0.011947 546 B- 140 J POST KEYNESIAN ECON 1.256 15.054 2.707 0.011421 410 B- 141 OPEN ECON REV	129	THEOR DECIS	1.449		4.775	0.014640	316	B-
131FOOD POLICY1.51811.0212.4790.014485382B-132DEFENCE PEACE ECONOMICS1.56415.6002.7090.01417655B-133WELTWIRTSCHAFTL ARCH1.55318.4644.2970.013506394B-134SCOT J POLIT ECON1.40515.4833.1010.012989296B-135WORLD ECON1.34617.3543.3600.012827367B-136REV INCOME WEALTH1.61817.4063.5340.012642244B-137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.012339294B-139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-142MANCHESTER SCH ECON SOC STUD1.45716.2422.8360.011176256B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915186B-145J POLICY MODELING1.82722.3464.0160.010677306B-	130	FUTURES	1.246	12.137	2.550	0.014506	660	B-
133WELTWIRTSCHAFTL ARCH1.55318.4644.2970.013506394B-134SCOT J POLIT ECON1.40515.4833.1010.012989296B-135WORLD ECON1.34617.3543.3600.012827367B-136REV INCOME WEALTH1.61817.4063.5340.012642244B-137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.012339294B-139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915186B-145J POLICY MODELING1.82722.3464.0160.010677306B-	131	FOOD POLICY	1.518	11.021		0.014485	382	B-
134SCOT J POLIT ECON1.40515.4833.1010.012989296B-135WORLD ECON1.34617.3543.3600.012827367B-136REV INCOME WEALTH1.61817.4063.5340.012642244B-137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.012339294B-139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-142MANCHESTER SCH ECON SOC STUD1.45716.2422.8360.011176256B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915186B-145J POLICY MODELING1.82722.3464.0160.010677306B-	132	DEFENCE PEACE ECONOMICS	1.564	15.600	2.709	0.014176	55	B-
135WORLD ECON1.34617.3543.3600.012827367B-136REV INCOME WEALTH1.61817.4063.5340.012642244B-137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.012339294B-139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-142MANCHESTER SCH ECON SOC STUD1.45716.2422.8360.011176256B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915186B-145J POLICY MODELING1.82722.3464.0160.010677306B-	133	WELTWIRTSCHAFTL ARCH	1.553	18.464	4.297	0.013506	394	B-
135WORLD ECON1.34617.3543.3600.012827367B-136REV INCOME WEALTH1.61817.4063.5340.012642244B-137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.012339294B-139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-142MANCHESTER SCH ECON SOC STUD1.45716.2422.8360.011176256B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915186B-145J POLICY MODELING1.82722.3464.0160.010677306B-	134	SCOT J POLIT ECON	1.405	15.483	3.101	0.012989	296	B-
137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.012339294B-139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-142MANCHESTER SCH ECON SOC STUD1.45716.2422.8360.011176256B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915186B-145J POLICY MODELING1.82722.3464.0160.010677306B-	135	WORLD ECON	1.346		3.360	0.012827	367	B-
137BROOKINGS PAP ECON ACTIV1.90652.80112.0630.012490184B-138J MARKET RES SOC1.56513.4732.6970.012339294B-139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-142MANCHESTER SCH ECON SOC STUD1.45716.2422.8360.011176256B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915186B-145J POLICY MODELING1.82722.3464.0160.010677306B-	136	REV INCOME WEALTH	1.618	17.406	3.534	0.012642	244	B-
138J MARKET RES SOC1.56513.4732.6970.012339294B-139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-142MANCHESTER SCH ECON SOC STUD1.45716.2422.8360.011176256B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915186B-145J POLICY MODELING1.82722.3464.0160.010677306B-			1.906				184	B-
139CAN J AGR ECON-REV CAN ECON R1.90512.7122.5900.011947546B-140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-142MANCHESTER SCH ECON SOC STUD1.45716.2422.8360.011176256B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915186B-145J POLICY MODELING1.82722.3464.0160.010677306B-	138	J MARKET RES SOC	1.565			0.012339	294	B-
140J POST KEYNESIAN ECON1.25615.0542.7070.011421410B-141OPEN ECON REV1.43617.6922.1540.01125739B-142MANCHESTER SCH ECON SOC STUD1.45716.2422.8360.011176256B-143BULL INDONES ECON STUD1.36224.1474.1900.010956163B-144J CONSUM AFF1.95719.9953.6720.010915186B-145J POLICY MODELING1.82722.3464.0160.010677306B-							546	B-
141 OPEN ECON REV 1.436 17.692 2.154 0.011257 39 B- 142 MANCHESTER SCH ECON SOC STUD 1.457 16.242 2.836 0.011176 256 B- 143 BULL INDONES ECON STUD 1.362 24.147 4.190 0.010956 163 B- 144 J CONSUM AFF 1.957 19.995 3.672 0.010915 186 B- 145 J POLICY MODELING 1.827 22.346 4.016 0.010677 306 B-							410	B-
142 MANCHESTER SCH ECON SOC STUD 1.457 16.242 2.836 0.011176 256 B- 143 BULL INDONES ECON STUD 1.362 24.147 4.190 0.010956 163 B- 144 J CONSUM AFF 1.957 19.995 3.672 0.010915 186 B- 145 J POLICY MODELING 1.827 22.346 4.016 0.010677 306 B-	141	OPEN ECON REV	1.436		2.154	0.011257	39	B-
143 BULL INDONES ECON STUD 1.362 24.147 4.190 0.010956 163 B- 144 J CONSUM AFF 1.957 19.995 3.672 0.010915 186 B- 145 J POLICY MODELING 1.827 22.346 4.016 0.010677 306 B-	142	MANCHESTER SCH ECON SOC STUD	1.457		2.836	0.011176	256	B-
145 J POLICY MODELING 1.827 22.346 4.016 0.010677 306 B–	143	BULL INDONES ECON STUD	1.362				163	B-
145 J POLICY MODELING 1.827 22.346 4.016 0.010677 306 B-							186	B-
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Table 4 – Journals	statistical	information	(continuation))

R	Journal Title (abbreviated)	а	р	С	g	Ν	Class
147	ECON PLANN	1.778	18.889	2.278	0.010031	18	B-
148	JPN WORLD ECON	1.449	15.757	1.364	0.007451	107	B-
149	J WORLD TRADE	1.293	18.912	2.086	0.007193	443	B–
150	ECON SOC REV	1.493	17.657	1.995	0.007029	206	B-
151	J ECON	1.429	18.238	2.073	0.006979	273	B–
152	REV BLACK POLIT ECON	1.345	16.800	1.894	0.006776	235	B–
153	ECON MODEL	1.927	20.171	2.081	0.006111	234	B–
154	REV SOC ECON	1.181	17.815	1.551	0.005754	227	B–
155	S AFR J ECON	1.292	15.042	1.323	0.005589	260	B–
156	ECONOMIST	1.550	20.087	1.821	0.005386	229	B–
157	HITOTSUBASHI J ECON	1.238	16.590	0.975	0.003812	121	B–
158	NAT TIDSSKR	1.231	12.487	0.384	0.001984	372	B–
159	EAST EUR ECON	1.272	20.942	0.427	0.001339	204	B–
160	REV ETUD COMPAR EST-OUEST	1.156	19.601	0.396	0.001295	318	B–
161	J REAL ESTATE TAX	1.358	12.021	0.238	0.001224	282	B–
162	RUSS EAST EUR FINANC TRADE	1.311	21.864	0.252	0.000949	103	B–
163	PROBL ECON TRANSIT	1.315	15.613	0.154	0.000816	292	B-
164	EKON CAS	1.151	12.622	0.145	0.000727	642	B–
165	JPN ECON STUD-ENGL TR	1.085	30.517	0.271	0.000567	118	B-
166	EKON SAMF TIDSKR	1.093	8.419	0.062	0.000465	226	B-
167	JPN ECON	1.000	35.000	0.091	0.000281	11	B-
168	POLIT EKON	1.151	11.868	0.051	0.000262	826	B-

R – Ranking; a – Average number of co-authors; p – Average number of pages; c – Average number of times that each article is cited; g – Journal fixed effect; N – Number of published articles.