# A Short Analysis of Publications in the Economics of Art and Culture: Past, Present and Future

Opening Address for the 7th Conference on Cultural and Media Economics

September 24<sup>th</sup> and 25<sup>th</sup>, Paris

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Brandeis University

# Outline

- Where have we come from?
  - A citation analysis of popular articles in the economics of art and culture
    - From highly ranked general journals
    - From the Journal of Cultural Economics
  - Preview of conclusions
- Where are we going?
- Where should we be going?

# Articles Published in Top Economics Journals\* by citation rank: Accessed on 7/28/2015, 9/8/2015, and 9/9/2015

# 1 The economics of superstars

S Rosen - The American economic review, 1981 - JSTOR - 2207

2 The effect of file sharing on record sales: An empirical analysis

F Oberholzer-Gee, K Strumpf - Journal of political economy, 2007 - JSTOR-880

3 How auctions work for wine and art

O Ashenfelter - The Journal of Economic Perspectives, 1989 - JSTOR-772

4 The production and consumption of the arts: a view of cultural economics

D Throsby - Journal of economic literature, 1994 - JSTOR-753

5 Stardom and talent

M Adler - The American economic review, 1985 - JSTOR-617

6 Unnatural value: or art investment as floating crap game

WJ Baumol - The American Economic Review, 1986 - JSTOR - 405

7 On the performing arts: the anatomy of their economic problems

WJ Baumol, WG Bowen - The American Economic Review, 1965 - JSTOR-386

8 Art as an investment: The market for modern prints

JE Pesando - The American Economic Review, 1993 - JSTOR 321

9 Accounting for taste: Art and the financial markets over three centuries

WN Goetzmann - The American Economic Review, 1993 - JSTOR -316

10 The economics of rising stars

GM MacDonald - The American Economic Review, 1988 - JSTOR-297

Articles Published in Top Economics Journals\* by citation rank: Accessed on 7/28/2015, 9/8/2015, and 9/9/2015 (continued)

11 Spatial competition in retail markets: movie theaters

P Davis - RAND Journal of Economics, 2006 - JSTOR-289

12 Art as an investment and the underperformance of masterpieces

J Mei, M Moses - 2001 - papers.ssrn.com - (AER) 287

13 Nonprofit enterprise in the performing arts

H Hansmann - The Bell Journal of Economics, 1981 - JSTOR - 284

14 Auctions and the Price of Art

O Ashenfelter, K Graddy - Journal of Economic Literature, 2003-- 266

15 Seasonality in the US motion picture industry

L Einav - RAND Journal of Economics, 2007 - JSTOR - 220

16 The" Starving Artist"--Myth or Reality? Earnings of Artists in the United States

RK Filer - The Journal of Political Economy, 1986 - JSTOR - 176

17 The monetary appreciation of paintings

JP Stein - The journal of political economy, 1977 - JSTOR - 189

18 Declining values and the afternoon effect: Evidence from art auctions

A Beggs, K Graddy - The Rand journal of economics, 1997 - JSTOR - 186

19 Revisiting Baumol's 'art as floating crap game'

N Buelens, V Ginsburgh - European Economic Review, 1993 - Elsevier - 165

20 Is art market behaviour predictable?

O Chanel - European Economic Review, 1995 - Elsevier - 122

Articles Published in Top Economics Journals: Accessed on 7/28/2015, 9/8/2015, and 9/9/2015 (continued)

Age and the quality of work: The case of modern American painters

DW Galenson, BA Weinberg - 1999 - nber.org (JPE) -- 120

On the rate of return in the art market: Survey and evaluation

BS Frey, R Eichenberger - European Economic Review, 1995 - Elsevier- 104

[PDF] What's wrong with the arts is what's wrong with society

T Scitovsky - The American Economic Review, 1972 - JSTOR-100

Expert opinion and compensation: Evidence from a musical competition

VA Ginsburgh, JC Van Ours - American Economic Review, 2003 - JSTOR - 99

Absentee bidders and the declining price anomaly in wine auctions

V Ginsburgh - Journal of political Economy, 1998 - JSTOR - 98

[PDF] Measuring returns on investments in collectibles

BJ Burton, JP Jacobsen - The Journal of Economic Perspectives, 1999 -98 JSTOR

**Anchoring Effects: Evidence from Art Auctions** 

A Beggs, K Graddy - The American Economic Review, 2009 - JSTOR - 87

[PDF] The lively arts as substitutes for the lively arts

JH Gapinski - The American Economic Review, 1986 - JSTOR - 87

Art as an investment and conspicuous consumption good

BR Mandel - The American Economic Review, 2009 - JSTOR - 71

Creating modern art: The changing careers of painters in France from impressionism to cubism

DW Galenson, BA Weinberg - American Economic Review, 2001 - JSTOR - 65

Articles Published in Other Good (Economics) Journals

# Art investment: an empirical inquiry

BS Frey, WW Pommerehne - Southern Economic Journal, 1989 - JSTOR -- 171

# Returns of impressionist, modern and contemporary European paintings 1962-1991

M De la Barre, S Docclo, V Ginsburgh - Annales d'Economie et de ..., 1994 - JSTOR -- 98

# The perception of quality and the demand for services: Empirical application to the performing arts

F Abbé-Decarroux - Journal of Economic Behavior & Organization, 1994 - Elsevier -- 84

# Vested interest and biased price estimates: Evidence from an auction market

J Mei, M Moses - The Journal of Finance, 2005 - Wiley Online Library – 75

Important Articles Not Making the List (Possibly Due to Multiple Versions)

Creating modern art: The changing careers of painters in France from impressionism to cubism

DW Galenson, BA Weinberg - American Economic Review, 2001 - JSTOR - 65

# Key

- Production and Consumption of the Arts= yellow
- Movies = green
- Auctions and Pricing = purple
- Labor economics = blue

Articles Published in Top Economics Journals\* by citation rank: Accessed on 7/28/2015, 9/8/2015, and 9/9/2015

1 The economics of superstars S Rosen - The American economic review, 1981 - JSTOR - 2207 2 The effect of file sharing on record sales: An empirical analysis F Oberholzer-Gee, K Strumpf - Journal of political economy, 2007 - JSTOR-880 How auctions work for wine and art 3 O Ashenfelter - The Journal of Economic Perspectives, 1989 - JSTOR-772 The production and consumption of the arts: a view of cultural economics 4 D Throsby - Journal of economic literature, 1994 - JSTOR-753 Stardom and talent 5 M Adler - The American economic review, 1985 - JSTOR-617 Unnatural value: or art investment as floating crap game 6 WJ Baumol - The American Economic Review, 1986 - JSTOR - 405 7 On the performing arts: the anatomy of their economic problems WJ Baumol, WG Bowen - The American Economic Review, 1965 - JSTOR-386 8 Art as an investment: The market for modern prints JE Pesando - The American Economic Review, 1993 - JSTOR 321 Accounting for taste: Art and the financial markets over three centuries 9 WN Goetzmann - The American Economic Review, 1993 - JSTOR -316 10 The economics of rising stars GM MacDonald - The American Economic Review, 1988 - JSTOR-297

<sup>\*</sup>JEL, JEP, JPE, AER, QJE, ECONOMETRICA, RESTUD, EER, RAND

	Articles Published in Top Economics Journals* by citation rank: Accessed on 7/28/2015, 9/8/2015, and 9/9/2015 (continued)		
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### Top Journals 2005-2015 -- all that I could find -- Accessed on 9/8/2015

## 1 The effect of file sharing on record sales: An empirical analysis

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# 4 Social comparisons and contributions to online communities: A field experiment on movielens

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### 5 Anchoring effects: Evidence from art auctions

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### 6 Art as an investment and conspicuous consumption good

BR Mandel - The American Economic Review, 2009 - JSTOR-71

## 7 Buying beauty: On prices and returns in the art market

L Renneboog, C Spaenjers - Management Science, 2013 - pubsonline.informs.org-61

### 8 Art and money

WN Goetzmann, L Renneboog, C Spaenjers - ... American Economic Review, 2011 - JSTOR-48

## 9 Sale rates and price movements in art auctions

OC Ashenfelter, K Graddy - 2011 - nber.org-11

## 10 Rock and roll bands,(in) complete contracts, and creativity

C Ceulemans, V Ginsburgh... - The American economic ..., 2011 - ingentaconnect.com-3

# 11 Ordering, revenue and anchoring in art auctions

H Hong, I Kremer, JD Kubik, J Mei... - ... Journal of Economics, 2015 - Wiley Online Library-1

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# Top Journal\* Article Subject Matter

Topic	All Time (20 total)	Topic	Top 10: 2005-2015
Production and Consumption	3	Movies	3
Movies	2		
Auction Prices	3	Auction Prices	2
Labor	4		
		Investment	3
Investment	7		
		Labor	1
Other	1	Other	1

<sup>\*</sup>JEL, JEP, JPE, AER, QJE, ECONOMETRICA, RESTUD, EER, RAND

# Articles in the *Journal of Cultural Economics* Accessed on 7/27/2015

# 1 Cultural capital

D Throsby - 1999 - 476

- 2 Uncertainty in the movie industry: Does star power reduce the terror of the box office? A De Vany, WD Walls - 1999 -456
- 3 Social network markets: a new definition of the creative industries J Potts, S Cunningham, J Hartley 2008 315
- 4 Determining the value of cultural goods: How much (or how little) does contingent valuation tell us?

  D Throsby -- 235
- 5 Contingent valuation and cultural resources: a meta-analytic review of the literature DS Noonan 2003 223
- 6 Movie stars and the distribution of financially successful films in the motion picture industry S Albert 1998 - Springer - 199
- 7 Contingent Valuation of a Cultural Public Good and Policy Design: The Case of 'Napoli Musei Aperti' W Santagata, G Signorello -2000 170
- The willingness-to-pay for the Royal Theatre in Copenhagen as a public good TB Hansen 1997 169
- The relevance of hedonic price indicesO Chanel, LA Gérard-Varet, V Ginsburgh 1996 159
- **10** A microeconometric study of theatre demand L Lévy-Garboua, C Montmarquette , 1996 149

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Articles in the *Journal of Cultural Economics* Accessed on 7/28/2015 (Published from 2005-2015)

- Social network markets: a new definition of the creative industries J Potts, S Cunningham, J Hartley 2008 315
- 2 Modeling movie success when 'nobody knows anything': Conditional stable-distribution analysis of film returns WD Walls Journal of Cultural Economics, 2005 94
- The impact of film reviews on the box office performance of art house versus mainstream motion pictures G Gemser, M Van Oostrum, MAAM Leenders ... of Cultural Economics, 2007 81
- For Oscar glory or Oscar money?
  E Deuchert, K Adjamah, F Pauly Journal of Cultural Economics, 2005 Springer 71
- Determining heterogeneous behavior for theater attendance
   V Ateca-Amestoy Journal of Cultural Economics, 2008 Springer 65
- 6 Combining the travel cost and contingent behavior methods to value cultural heritage sites: Evidence from Armenia A Alberini, A Longo Journal of Cultural Economics, 2006 Springer 65
- 7 The sales effect of word of mouth: a model for creative goods and estimates for novels

  J Beck Journal of Cultural Economics, 2007 Springer 65
- Art versus commerce in the movie industry: A two-path model of motion-picture success MB Holbrook, M Addis Journal of Cultural Economics, 2008 Springer 61
- 9 Expert judgment versus public opinion–evidence from the Eurovision song contest MA Haan, SG Dijkstra, PT Dijkstra - Journal of Cultural Economics, 2005 - Springer - 55
- 10 Cinema demand in Germany
  R Dewenter, M Westermann Journal of Cultural Economics, 2005 Springer 54

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# JCEC Articles Subject Matter

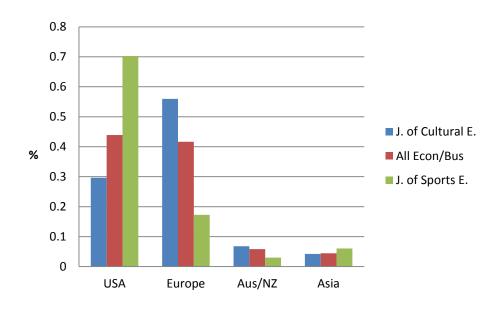
Topic	1995-2015
Production and Consumption	6
Consumption	
Movies	2
Auction Prices	1
Other	1

Topic	2005-2015
Production and Consumption	5
Movies	3
Other	2

# Subject Matter Differences

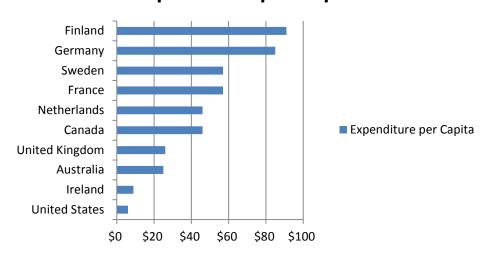
- Top papers cited in general journals are often investment articles.
- Or, top journals publish articles that use art data as an example of a wider economic phenomenon.
- Top field journals' largest number of citations are primarily on production and consumption of the arts.

# Authors from Different Countries Have Interests in Different Subject Matter



# Government Expenditure on the Arts and Museums (Includes Federal, State, and Local Government Spending on the Arts)

# **Expenditure per Capita**



(mid-1990s data from NEA Analysis)

# Interpretation

- If you are researching art because you are interested in the consumption or production of culture or you are interested in cultural policy, you will have had trouble in the past and probably continue to have trouble in the present getting published in a top general journal.
- This is distressing, as it is likely that most people in this audience believe that this is the very reason to research the economics of art and culture.
- If you are researching art because you think it contains great examples of wider economic phenomenon, or you are interested in art as an investment, you may have been published in a top journal.

# Understanding wider economic phenomenon by publications in the economics of the arts

- Labor economics
  - Economics of superstars
  - Earnings profiles
- Expert Opinion
- Movies
  - Understanding demand and supply drivers of seasonality
  - Modeling spatial competition
- Auction papers
  - Understanding empirical features of auctions and wider pricing phenomenon through art examples
- Investment papers
  - Does art make sense as an investment?

# The Future

- There is hope for the future.
- It is possible, and I believe we are already seeing, that social media may have a larger role than it has in the past on research.
- The arts are inherently interesting to a wider audience.

# 6 Marketing

# 6.3 Social Impact

Additional research-impact indices, known as alternative metrics, are offering new evaluation alternatives. One of those is a researchers' reputation made via their footprint on the social web. Below are the number of article mentions in the social web in the year 2014, provided by Altmetric. They monitor article mentions on Twitter, Facebook, Google+, Reddit, Blogs, news outlets and Faculty of 1000 reviews. Articles can only be counted if the DOI is included in the article.

	2013	2014
Article mentions	14	98
News Stories		3
Tweets	12	73
Facebook Pages	2	21
Blog Posts		1
G+ posts		
Reddit stories		
F1000 reviews		



**More about Altmetric** 

# **6 Marketing**

# 6.4 Altmetric Top 10

# How is the Altmetric score calculated? The score is a weighted count

The score is a weighted count of the <u>different sources</u> (newspaper stories, tweets, blog posts, comments) that mention the paper.

Why is it weighted? To reflect the relative importance of each type of source. It's easy to imagine that the average newspaper story is more likely to bring attention to the paper than the average tweet. This is reflected in the default weightings.

News	Blogs	Q&A forums	Twitter	Google+	Facebook
8	5	2.5	1	1	0.25

Score	Article DOI	Title	Author(s)	Volume number	Issue number	Year
16	10.1007/s10824-010-9130-2	Live and prerecorded popular music consumption	JUAN MONTORO-PONS	35	1	2011
10	10.1007/s10824-012-9179-1	The happy artist: an empirical application of the work-preference model	LASSE STEINER	37	2	2013
8	10.1007/s10824-011-9153-3	Recognition and renown, the structure of cultural markets: evidence from French poetry	S BASTIEN DUBOIS	36	1	2012
6	10.1007/s10824-014-9238-x	Arts education and the high school dropout problem	M. KATHLEEN THOMAS			
3	10.1007/s10824-005-5064-5	Art for the Masses? Justification for the Public Support of	J.D. SNOWBALL	29	2	2005
3	10.1007/s10824-013-9205-y	Music consumption at the dawn of the music industry: the rise of a cultural fad	MARCO GUERZONI	38	2	2014
3	10.1007/s10824-014-9226-1	Breaking up is hard to do: the resilience of the rock group	IAN STRACHAN			
3	10.1007/s10824-014-9229-y	Video games playing: A substitute for cultural consumptions?	KAROL BOROWIECKI			
3	10.1007/s10824-014-9235-0	Time spent on new songs: word-of-mouth and price effects on	ANNA BERNARD			
3	10.1007/s10824-014-9237-y	Two approaches to study the value of art and culture, and the emergence of a third	ERWIN DEKKER			

# 7<sup>th</sup> Conference on Cultural and Media Economics Papers

#### 1 Using Google Trends data to assess the economic impact of cultural events

Olivier Gergaud, KEDGE Business School et Victor Ginsburgh, Université libre de Bruxelles

#### 2 The economic impact of the cancellation of two regular cultural events

Thibault Brodaty, Université Paris-Est Créteil Val-de-Marne

### 3 Has HADOPI's graduated response helped to reduce music and movie piracy?

Éric Darmon et Thierry Pénard Université de Rennes-I

### 4 The substitution effect of online piracy on box office performance of American movies in France

Christophe Bellégo, Insee

#### 5 A stochastic model of the graduated response in France

Jean Berbinau, Hadopi et Patrick Waelbroeck, Télécom ParisTech

# 6 Public policy evaluation and cultural policies in France: historical overviews, retrospective overviews

Lead by: Jean-Pierre Saez, Observatoire des politiques culturelles

## 7 The role of culture in growth: a very long term analysis

Étienne Wasmer, Sciences Po, codirecteur du LIEPP

### 8 Evaluation of arts education policies: a qualitative survey

Marie-Christine Bordeaux, Université de Grenoble-III

### 9 Evaluation of arts education policies: a quantitative survey

Philippe Coulangeon, Centre national de la recherche scientifique, LIEPP

## 10 Designing and implementing program evaluations in arts education: the case of Little Kids Rock

M. Kathleen Thomas, Mississippi State University

## 11 The relevance of copyright and the production of online information

Julia Cagé, Sciences Po, LIEPP

## 12 Europe's cultural consumption in the digital age: does fiscal policy matter?

Karol J. Borowieck, University of Southern Denmark

## 13 Evaluation of local cultural policies

Emmanuel Wallon, Université Paris Ouest Nanterre La Défense

# Key

- Cultural Policy = Production and Consumption of the Arts = yellow
- Economic Impact = orange
- Piracy and Copyright = tan
  - (could be termed cultural policy also)
- Arts Education = rose

# 7<sup>th</sup> Conference on Cultural and Media Economics Papers

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13 Evaluation of local cultural policies

Emmanuel Wallon, Université Paris Ouest Nanterre La Défense

Conference Topic	
Production and Consumption	3
<b>Economic Impact</b>	4
Piracy and Copyright	3
Arts Education	3

# Conclusion

- Production and consumption of the arts (the point of cultural policy), and economic and educational impact are subjects that are of interest to policy makers and researchers that work regularly on the economics of the arts.
- These are not the topics that are being published in general interest economic journals.