

The Effects of Copyright Law on the Reuse of Digital Content

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Outline

1 Theory

2 What is the study?

3 Conclusion

Jack Valenti (1)



Jack Valenti (2)

Copyright is out of control. How – even if it's out of control how does it stifle invention? Anybody can make a movie, and the fact that that movie has a copyright, how does that hurt the Internet, for God's sake?

Larry Lessig (1)



Larry Lessig (2)

copyright is stifling innovation, inventiveness and progress in this new digital world

Larry Lessig (3)

without digital production copyright wouldnt matter so much to inventiveness and we have to rethink the extent of copyright law

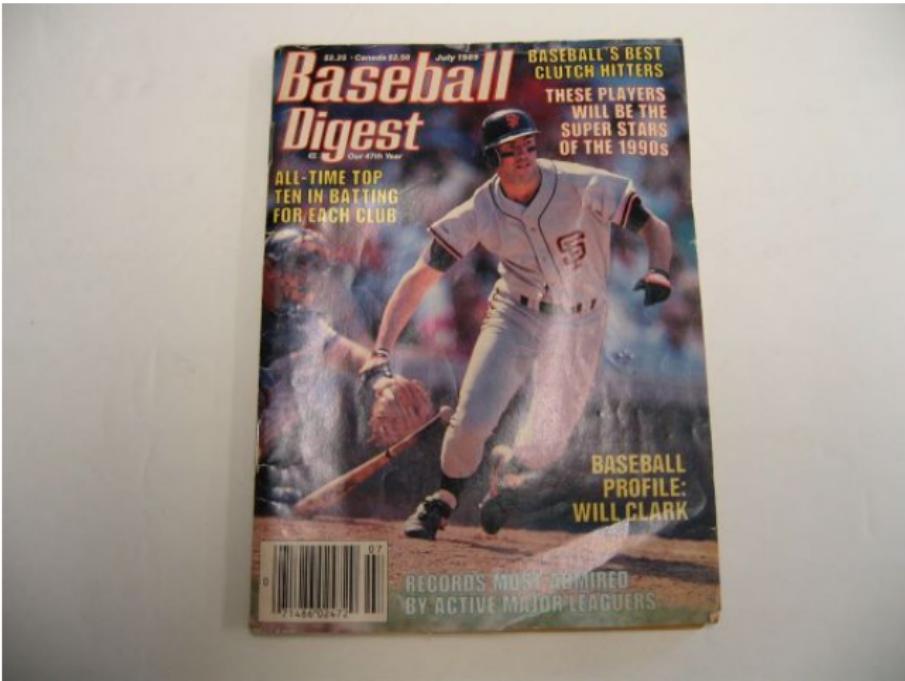
Larry Lessig (4)

It's because of the Internet, Jack. It's because of the opportunity that the Internet presents that we've got to rethink the extent of copyright, not whether we should have copyright or not.

Solution

WIKIPEDIA!

The biggest community of innovative, creative talent that depends on Wikipedia



November 2008



December 2008

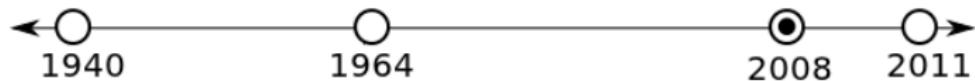
Google Abhishek Naga

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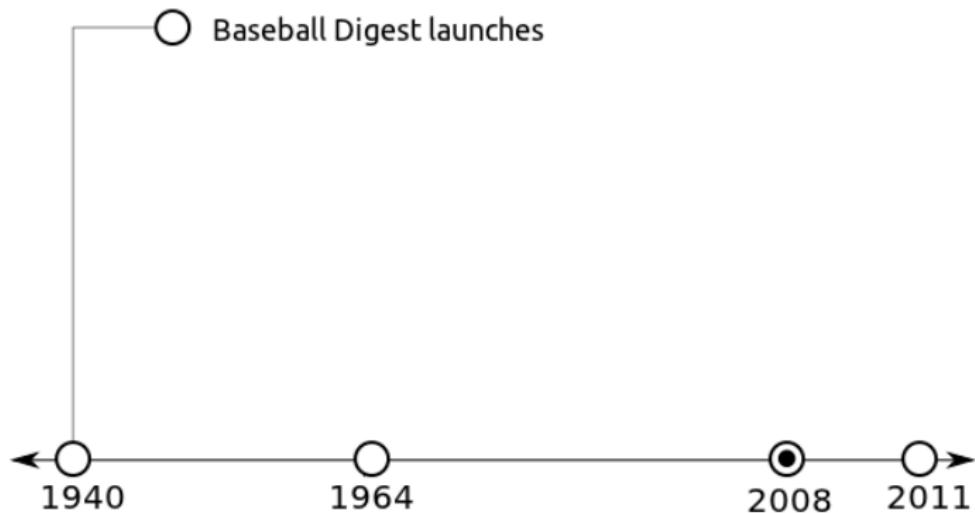
[at view](#)
[over view](#)

 ABA JOURNAL ABA Journal Dec 2002 - Vol. 88	 Advanced Packaging Advanced Packaging Jan-Feb 2009 - Vol. 18, No. 1	 The Advocate The Advocate Jul 18, 2006 - No. 967	 ALCALDE The Alcalde May-Jun 2011 - Vol. 99, No. 5
 American Cowboy American Cowboy Aug-Sep 2008 - Vol. 15, No. 2	 American Motorcyclist American Motorcyclist Dec 2007 - Vol. 61, No. 12	 American Woodworker American Woodworker Dec 1999 - No. 77	 Ancestry magazine Ancestry magazine Mar-Apr 2010 - Vol. 28, No. 2
 Anthropologica Anthropologica 2006 - Vol. 48, No. 2	 Arts & Crafts Homes and the Revival Arts & Crafts Homes and the Revival Summer 2010 - Vol. 5, No. 3	 Atlanta Magazine Atlanta Magazine Aug 2008	 Australian Mammal Society Australian Mammal Society Jun 1994 - Vol. 17
 AUUG Conference Proceedings AUUG Conference Proceedings 1993	 AUUGN AUUGN Sep 2003 - Vol. 24, No. 3	 Backpacker Backpacker Nov 2009	 Baseball Digest Baseball Digest Sep-Oct 2009 - Vol. 68, No. 7

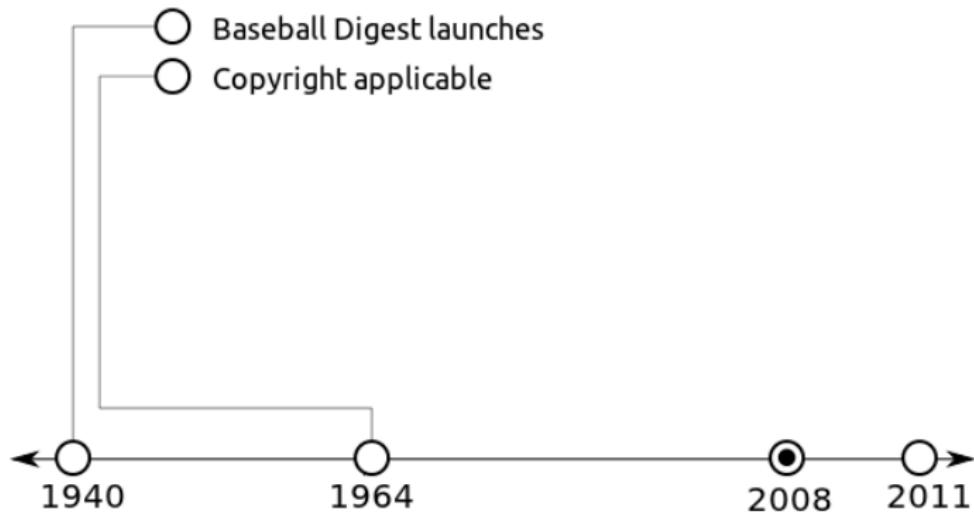
Timeline



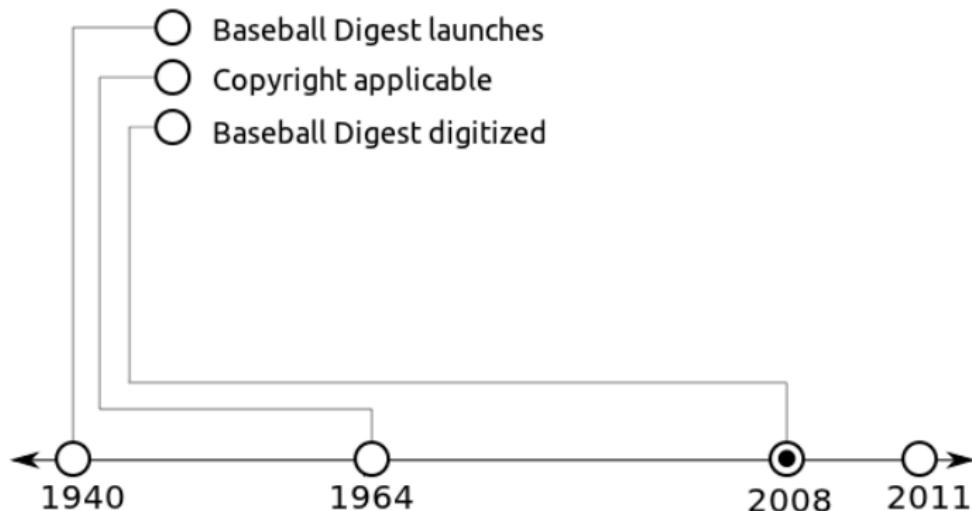
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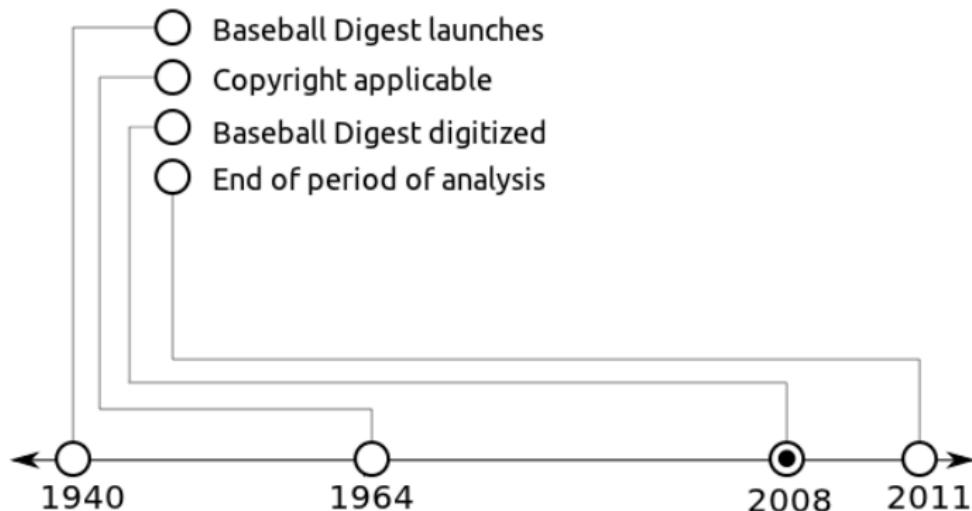
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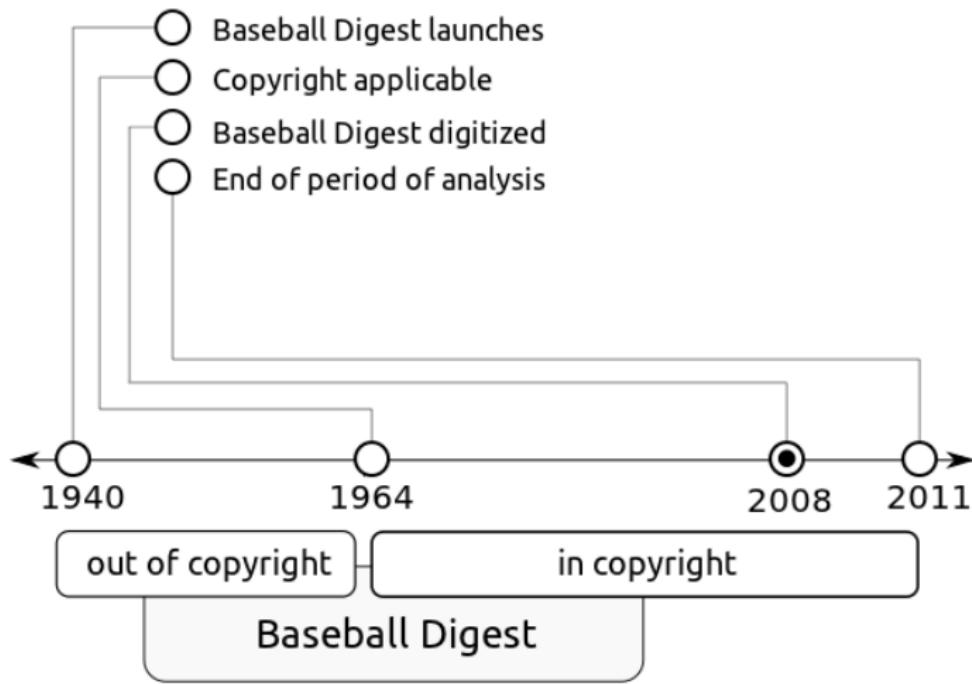
Timeline



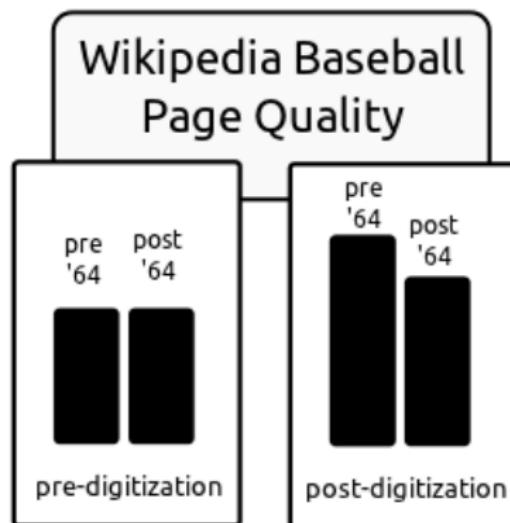
Timeline



Timeline



Timeline



Putting it all together – The Baseball Digest Experiment

The screenshot shows a Wikipedia article titled "Johnny Callison". At the top right, there is a large red 'X' symbol. Below the title, the text reads: "information exists but cannot be reused". The article content includes a black and white photo of Johnny Callison, his name, position (left fielder), and a brief summary of his career.

Baseball Digest '64
(in copyright)

Baseball Digest '63
(out of copyright)

Picture freely reuse into this one
Dominican Dynamo
By Harry Justice

WHERE were scores of players from the Dominican Republic during the 1960's? There were Luis Tiant, Roberto Clemente, and Willie Mays. Only fans know that there were also Pedro Martinez, Jose Valdez, and Jesus Lopez. A couple among many sets of triplets are Luis, Pedro, and Jesus. The former two are the sons of the latter, and the former two are the sons of the latter's brother, Jesus Lopez. All three are in their 20's and play in the top ranks of their respective baseball circuits.

information exists but cannot be reused

knowledge reused

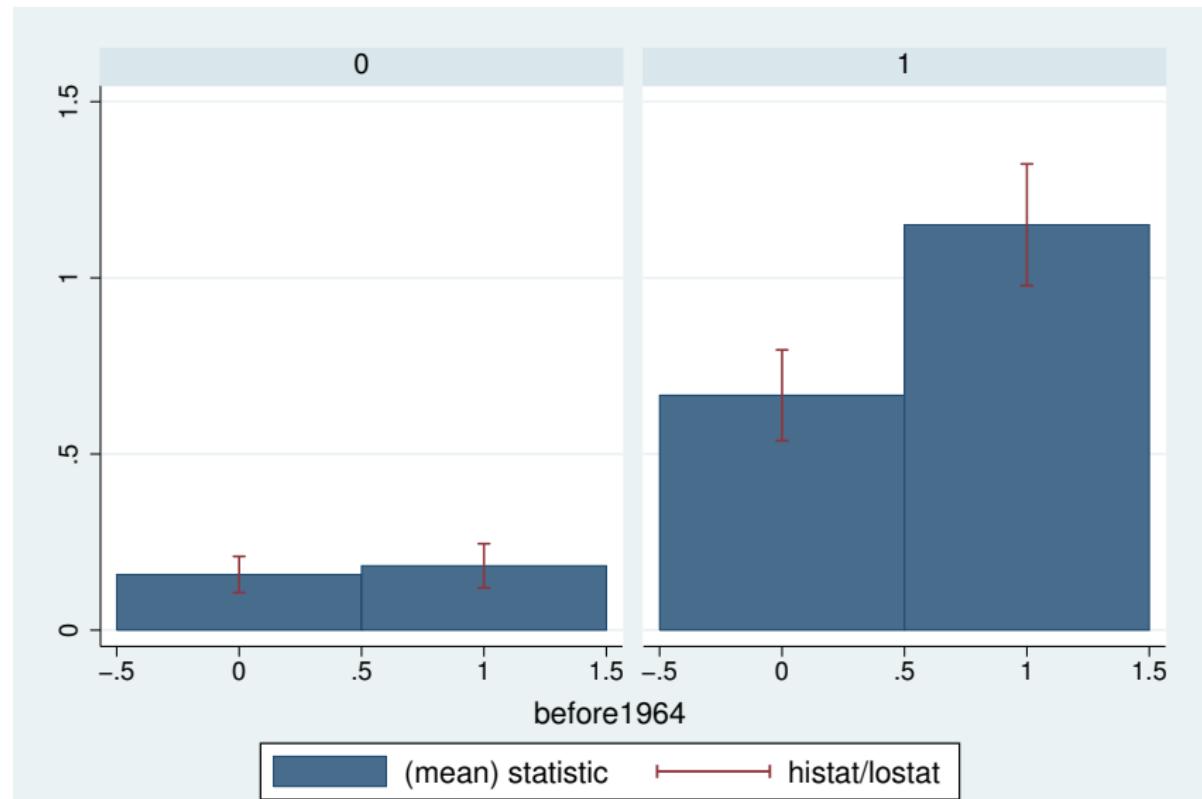
Managing career

After the end of his playing career, Alou joined the National Cancer organization in 1948, becoming a leading member of the group. In 1951, he became director of the Puerto Rican chapter of the organization. On May 10, 1960, Alou was elected as the first Dominican-born manager in Major League history. The team was developing a cult of personality. After a chance at getting the team to the World Series in 1961, Alou was forced to leave the team. He returned to the team in 1964, and he did well, winning the 1965 World Series. Alou was the manager of the team until 1968, when he was succeeded by the Boston Red Sox's Don Zimmer. In 1970, Alou became manager of the Boston Red Sox. Several years later, he was hired to manage the Boston Red Sox, but he would not be retained. Instead, he managed the Cleveland Indians, and he was succeeded by the Boston Red Sox's Don Zimmer. In 1976, Alou managed the Boston Red Sox for four games. The Red Sox won all four. In 1980, Alou served as the coach of the Indians for three games.

- List of Major League Baseball players from the Dominican Republic
- List of top Major League Baseball players from 1940s
- List of Major League players with 2,000+ hits
- List of Major League players with 300+ wins
- List of Major League baseball team champions
- List of oldest generation MLB players



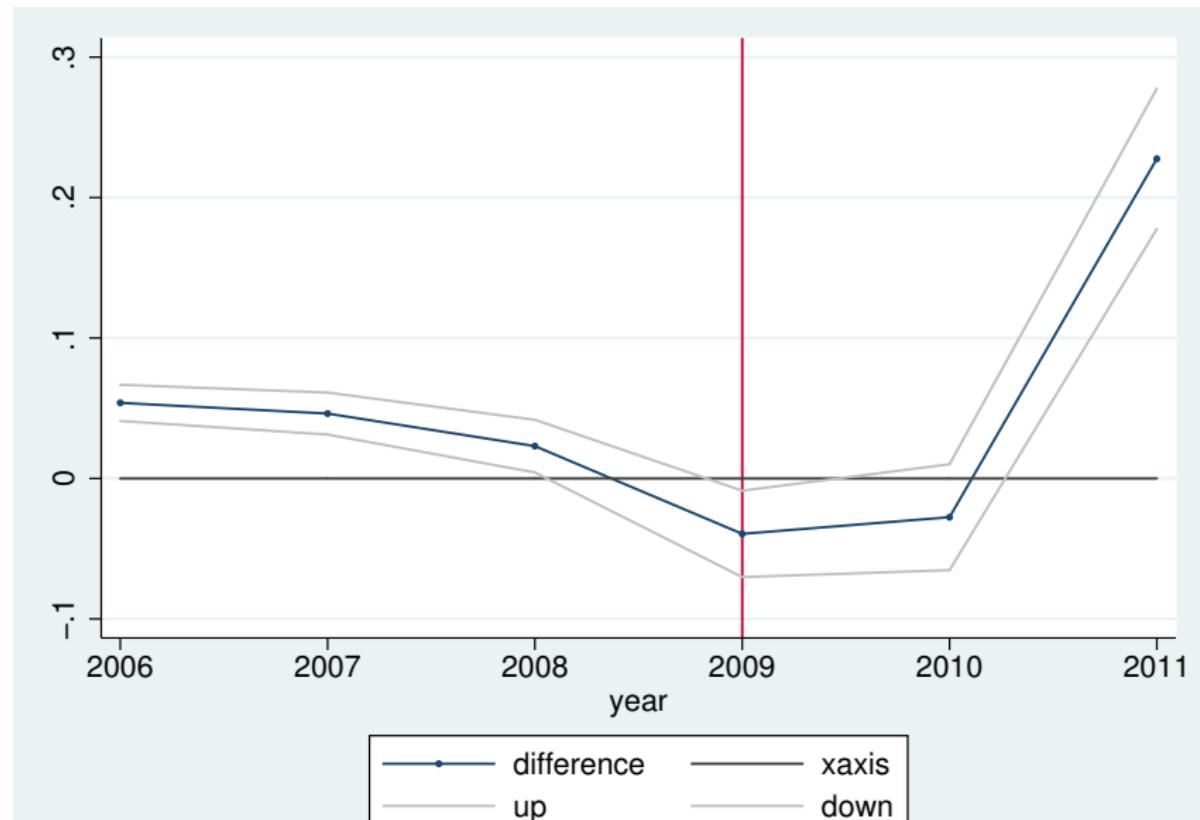
Results (Images: Graph)



Graphs by post2011



Results (Images: Timeline)



Results (Images: Diff-in-diff chart)

	in Copyright	out of Copyright
pre Digitization	.158	.183
post Digitization	.667	1.150
differences	.509	.967
DinD estimate :		0.458

Players are otherwise similar

	In-Copy	Out-of-Copy	Total
Allstar Appearance	2.930 (0.147)	3.008 (0.163)	2.968 (0.109)
Career Length	13.95 (0.204)	12.40 (0.217)	13.20 (0.151)
Age at Debut	22.20 (0.0961)	23.26 (0.155)	22.71 (0.0919)
Is Pitcher	0.398 (0.0245)	0.411 (0.0255)	0.405 (0.0177)
Is Lefty	0.233 (0.0212)	0.183 (0.0201)	0.209 (0.0146)

Outcomes very different

	In-Copy	Out-of-Copy	Total
Image Diff	0.509 (0.0483)	0.968 (0.0675)	0.730 (0.0419)
Character Diff	26131.9 (1506.3)	26040.6 (1723.4)	26087.8 (1139.1)
Revision Diff	-27.63 (2.854)	-16.28 (2.478)	-22.16 (1.910)
Traffic Diff	7.716 (3.103)	13.17 (3.413)	10.35 (2.301)

Revisions : Regression

Table: Depvar: number of revisions in one year period

	OLS	Robust	FE Cluster
before1964	-16.62*	-16.62*	
	(8.140)	(8.143)	
post2011	-27.63***	-27.63***	
	(7.232)	(2.855)	
interaction	11.35	11.35**	
	(10.37)	(3.781)	
Observations	1542	1542	

Traffic : Regression

Table: Depvar: Average monthly traffic

	OLS	Robust	FE	Cluster
before1964	2.360 (9.111)		2.360 (9.114)	
post2011		7.716 (7.128)		7.716* (3.104)
interaction		5.457 (14.22)		5.457 (4.614)
Observations	1542		1542	

Traffic : Tail Results

Table: Depvar: Average monthly traffic

	0-10le	10-90le	90-100le
before1964	-0.339 (0.386)	-3.905* (1.611)	167.5* (78.57)
post2011	-0.105 (0.273)	3.639*** (0.623)	35.33 (30.35)
interaction	1.015** (0.379)	1.101 (0.984)	70.64 (49.74)
Observations	70	1130	136

Conclusion

- ➊ Copyright has a large impact on the reuse of digital material
- ➋ This impact is particularly salient for images and not for text
- ➌ In the context of Baseball Digest, this tends to lead to other negative outcomes for newer players: their pages are edited less often and the long-tail effect is exaggerated.

{Who am I}

- National Bureau of Economic Research Digitization Agenda
- Use data to show how IP law like Copyright affects the process of creative input
- particularly interested in the use if free media and CC licenses
- Looking for project ideas, stories and other wikifolk in this area!



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