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# Drawing Comparisons: Analyzing Art & Architecture Print and E-book Usage

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# Drawing Comparisons

130,000+ books  
4 institutions  
2 formats

## Analyzing Art & Architecture Print and E-book Usage

### Institutional Demographic & Collections

4 Southern California institutions who are all members of the Statewide California Electronic Library Consortium (SCELC).

#### Student and Faculty Demographics

Institution	2015 FTE (undergrad + grad)	2015 Art & Architecture Majors (undergrad + grad)	2015 Art & Architecture Faculty
Claremont	6,750	78	11
LMU	8,250	250	16
Pepperdine	6,250	170	27
USC	43000	811	79

#### Print Collections

Institution	Total library collection size - print books	Total number of N-NZ/TR titles - print	Number of print titles included in data collection
Claremont	986,527	51,663	3,404
LMU	669,849	26,846	4,598
Pepperdine	368,786	5,006	2,442
USC	4,019,072	30,255	3,037
			<b>40814</b>

#### E-book Collections

Institution Name	Total library collection size - e-books	Total number of N-NZ/TR titles - e-books	Number of e-book titles included in data collection
Claremont	873,497	5,215	4,941
LMU	491,084	6,238	676
Pepperdine	212,740	1,393	773
USC	1,281,891	3,076	4,533
			<b>10923</b>

### Research Questions

In the Art & Architecture call number range (N-NX and TR), what is the relationship between print and e-book usage?

How do the following variables affect usage?

- LC class / subclass within the arts
- Publisher

Can we generalize trends in e-book usage based on our aggregate data, or is there too much variability between institutions?

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### Methodology

To develop our data-set, we exported and merged holdings with usage data (2010-2015) from each institution with the following parameters:

#### Art & Architecture Print books

Export holdings and circulation data from ILS:

- LC Call Number
- Circulation (includes circ and in-house), 1 use = 1 circulation
- Publisher
- Publication year

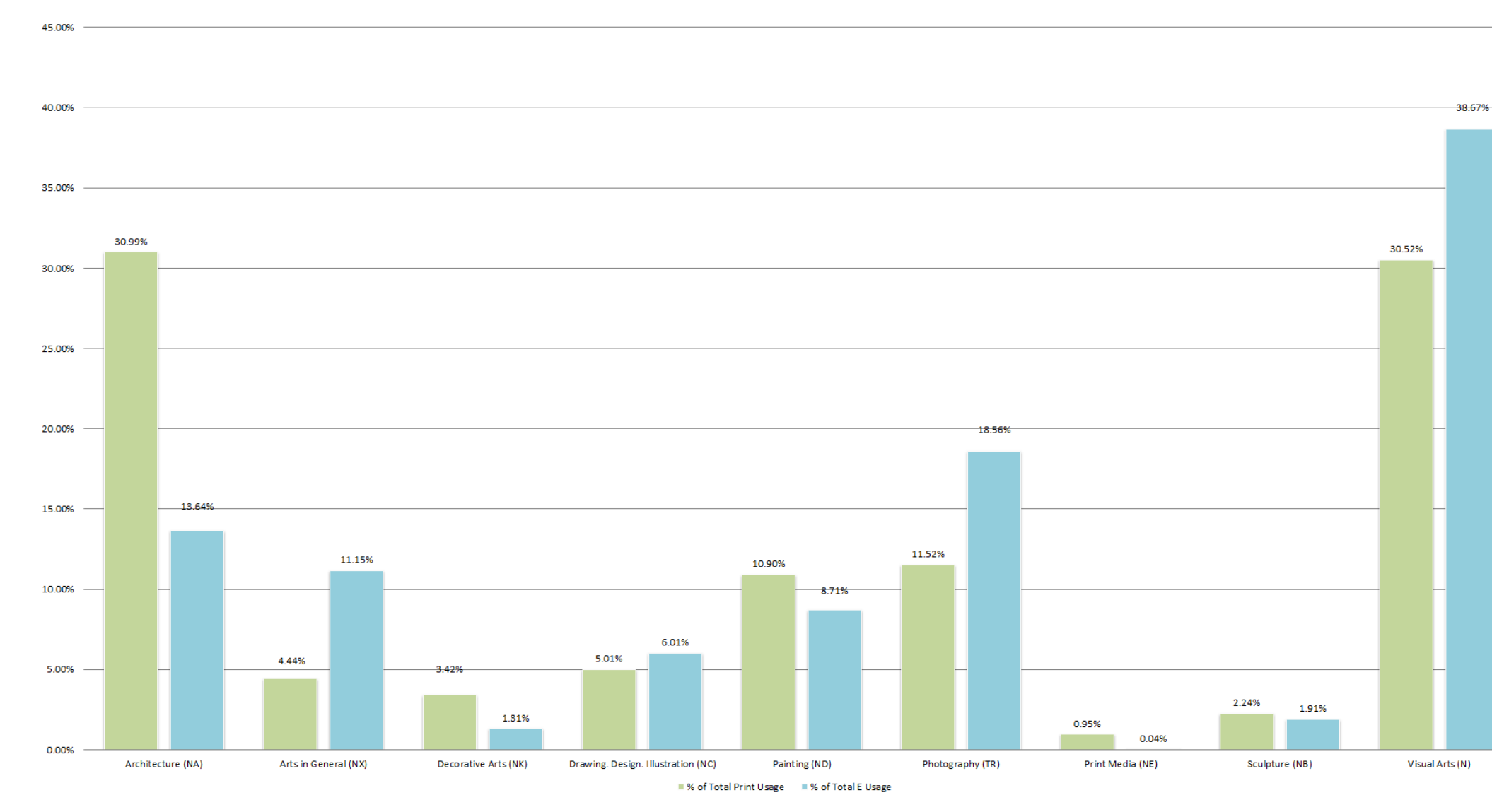
#### Art & Architecture E-books

Export BR2 COUNTER reports and break out e-book usage by:

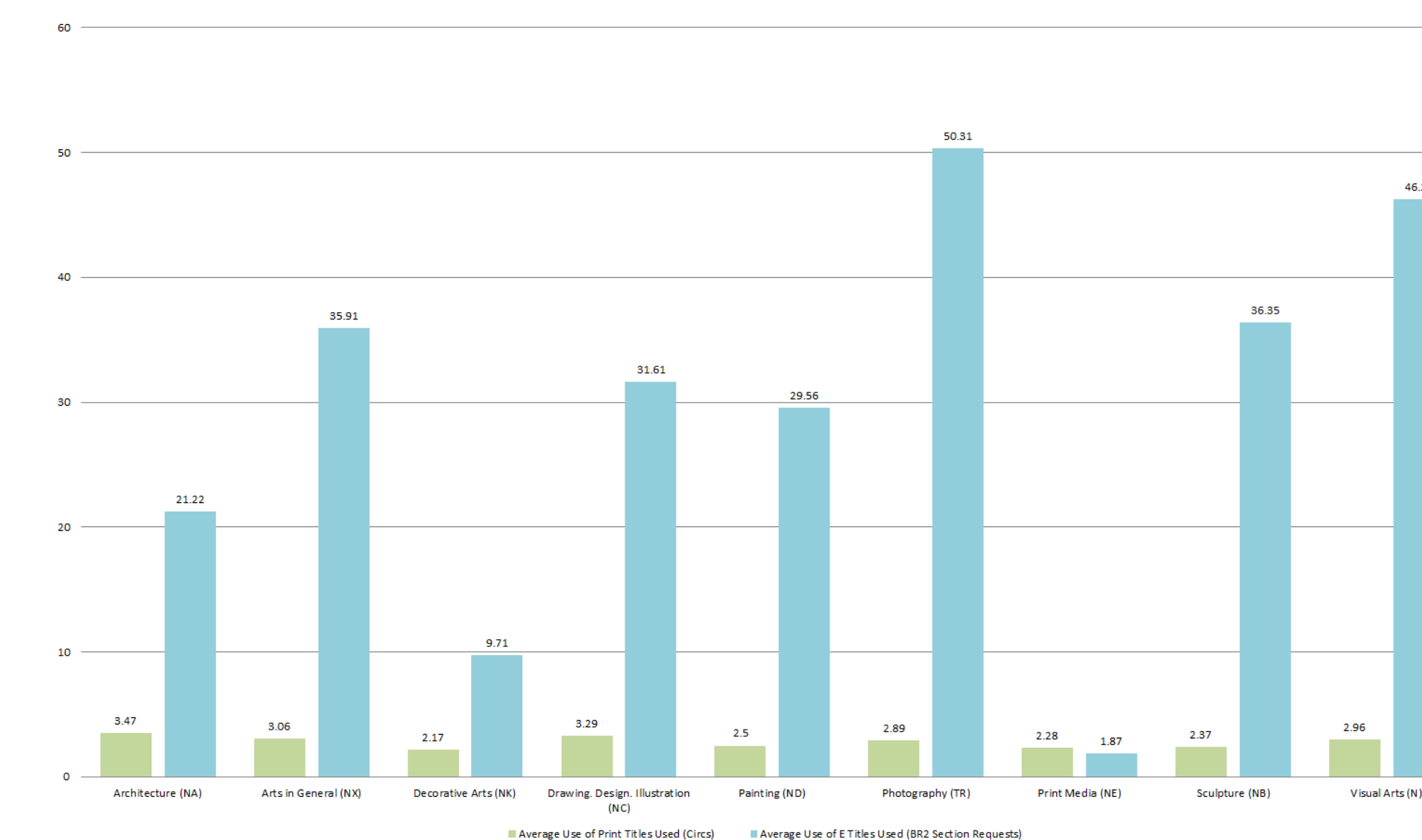
- Usage, 1 use = 1 section request
- LC Call Number (where possible)
- Vendor
- DRM vs non-DRM
- Publisher
- Publication Year

### Results

#### Print vs. E-usage in the Arts & Architecture by LC Class



#### Average Use of Titles Used



#### Top 10 Print Titles Used

Rank	Title	LC Subject	Publisher	Pub. Year	Total Combined Circs
1	A history of Far Eastern art	Visual arts	Thames & Hudson	1997	107
2	Italian Renaissance art	Visual arts	Thames & Hudson	2012	72
3	Korea : art and archaeology	Visual arts	British Museum Press	2000	64
4	Key houses of the twentieth century : plans, sections and elevations	Architecture	W.W. Norton	2006	63
5	Key urban housing of the twentieth century : plans, sections, and elevations	Architecture	W.W. Norton	2008	62
6	Art in theory, 1900-2000 : an anthology of changing ideas	Visual arts	Blackwell Publishing	2003	62
7	Image of the City	Architecture	MIT Press	1960	58
8	Ways of seeing	Visual art	Penguin	1972	55
9	Camera lucida : reflections on photography	Photography	Hill and Wang	1981	53
10	Architecture of the sun : Los Angeles modernism	Architecture	Rizzoli	2010	53

#### Most Used Print Publishers

Rank	Publisher	Sum of Total Combined Usage (Circ)
1	Thames & Hudson	691
2	Rizzoli	559
3	Ostfildern-Milt. H. Cantz	549
4	Princeton University Press (includes Princeton Architecture press)	537
5	Yale University Press	507
6	Prestel	383
7	MIT Press	359
8	Phaidon	340
9	Harry Adams	308
10	Birkhäuser	254

#### Top 10 E Titles Used

Rank	Title	LC Subject	Publisher	Pub. Year	Total Section Requests	Vendor
1	Grove Art Online	Visual Arts	Oxford University Press	1998	10,413	Oxford
2	The visual story: creating the visual structure of film, TV and digital media	Painting	Focal Press/Elsevier	2008	7,541	ebrary
3	Walls of empowerment : Chicana/o indigenist murals of California	Arts in general	University of Texas Press	2008	2,885	ebrary
4	Marxism and Culture : Dark Matter : Art and Politics in the Age of Enterprise Culture	Arts in general	Pluto Press	2010	1,971	ebrary
5	Art and social change: contemporary art in Asia and the Pacific	Arts in general	Pandanus Books	2005	1,776	ebrary
6	Muqarnas: an annual on the visual cultures of the Islamic world	Visual arts	Brill	2010	1,715	ebrary
7	Sacred power, sacred space: an introduction to Christian architecture and worship	Architecture	Oxford University Press	2008	1,566	ebrary
8	The architectural development of al-Aqsa Mosque in Islamic Jerusalem in the early Islamic period : sacred architecture in the shape of the 'Holy'	Architecture	Al-Maktoum Institute Academic Press	2004	1,187	ebrary
9	The lives of the artists / Giorgio Vasari	Visual arts	Oxford University Press	1998	936	ebrary
10	Muqarnas, Volume 26 : An Annual on the Visual Culture of the Islamic World	Visual arts	Brill	2008	901	ebrary

#### Most Used E Publishers

Rank	Publisher	Sum of Total Combined Usage (Section Req.)
1	Oxford University Press	14,854
2	Focal Press	7,550
3	Brill	5,391
4	University of Texas Press	4,168
5	Parkstone International	4,040
6	University of California Press	3,798
7	Princeton Architectural Press	3,235
8	Wiley	2,655
9	Taylor and Francis	2,564
10	University of Minnesota Press	2,115

### Conclusions

Comparing print and e-usage is akin to comparing apples and oranges dragonfruit and raisins.



Despite this, we were able to identify a few patterns:

#### Usage "Leanings" by LC Class

Print-leaning	E-leaning
Architecture (NA)	Arts in General (NX)
Decorative Arts (NK)	Drawing, Design, Illustration (NC)
Painting (ND)	Photography (TR)
Print Media (NE)	Visual Arts (N)
Sculpture (NB)	

In our combined data set, we identified 252 titles with overlapping holdings in both print and e, with the vast majority in the Visual Arts LC class (N).

Most-used print books tend to be on more general topics, while most used e-books trend towards more specific research topics.

### Further Questions

What might we learn by further analyzing the ratio between print use (circ) and e-use (section requests)?

How are the findings from our collaborative project transferrable to our individual institutions? What can we learn by comparing institutional usage data with aggregate data?

What might we learn about format preference (or "leanings") by analyzing the usage for titles owned both in print and e-?

What might account for the lack of overlap between the most-used print and e-publisher lists?

What can we learn from looking at these results alongside turn-over data for the collections?