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Technology
Perspective



Direction and Value of E-Books: An Academic Perspective

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Uses

- Demand increasing
- Multiple uses
 - Leisure reading
 - Teaching and learning
 - Research

Use

- Average # ebooks in:
 - Grad/prof'l libraries 138,800
 - Undergrad libraries 80,700
 - 2-year college libraries 32,400
- Disciplines represented most heavily:
 - Science
 - Business
 - Tech
 - Social Science

EBSCO. *2012 Ebook Usage in US Academic Libraries* (for LJ and SLJ)

Issues

- Selection
- Features
 - Search
 - Print on demand
 - Note-taking
 - User sharing
 - Color, video
 - Downloading
 - Integration

Issues

- Cost
- Licensing terms
- Records
- Rights
- Accessibility

Accessibility: eText@Illinois

- Platform agnostic
- Conforms to screen size
- Handles embedded video, audio, pictures, math formulae
- Controllable via keystrokes
- Works with special devices
- Permits downloading



Studies of Library Value

CONTEXT

Phase 3: Lib-Value

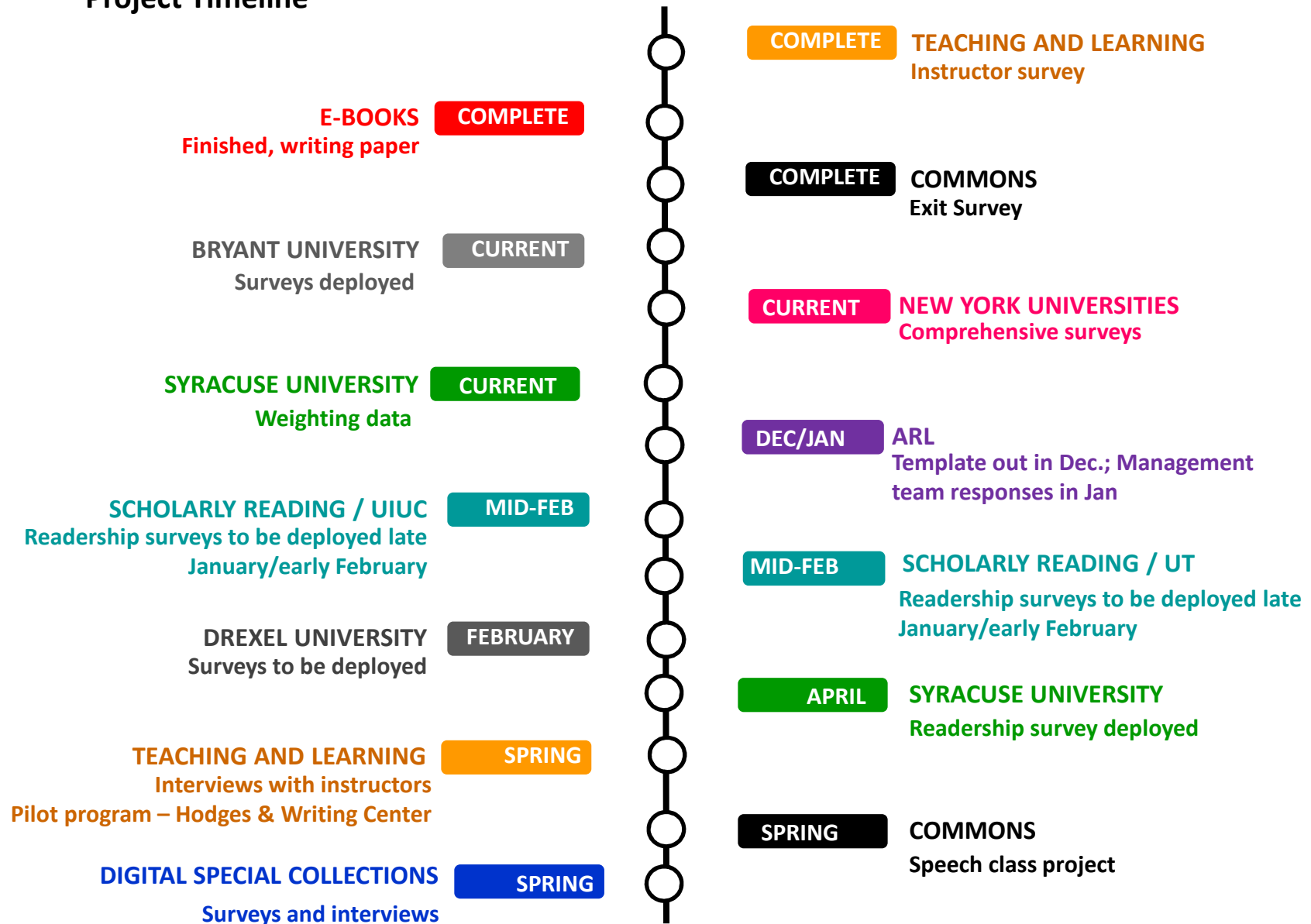
- Multiple institutions using multiple methods to measure multiple values for multiple stakeholders



Lib-Value

Project Timeline

2012



<http://libvalue.cci.utk.edu/>

Assessing the Value of Ebooks to Academic Libraries and Users

- Two basic questions were posed by this research:
 - What is the value of ebooks to libraries?
 - What is the value of ebooks to users?

Data Sets Employed to Answer Research Questions

- Longitudinal ebook collection growth data from UIUC
- Longitudinal ebook use and cost data from UIUC
- Longitudinal ebook cost-per-use data from UIUC
- UIUC ebook user study conducted by Elsevier, Fall 2010
 - 129 UIUC participants used over 800 ebooks in 4 weeks;
 - Ebook study participants filled out logbooks and questionnaires



Overall Ebook Growth at UIUC 2008-2011

Fiscal Year	#Ebooks Added Per Year*	Cumulative Ebook Total	Percent Increase Per Year
2007		292,002	NA
2008	27,531	345,186	9%
2009	66,178	411,364	19%
2010	73,404	484,768	18%
2011	129,435	614,203	27%

*Counts are per volume, not per title



UIUC Cost Per Ebook 2008-2011

Fiscal Year	\$ Spent	#New Ebooks	\$ per Ebook
2008	\$224,047	27,531	\$8.13
2009	\$204,678	66,178	\$3.09
2010	\$383,167	73,404	\$5.22
2011	\$732,725	129,435	\$5.66



Cost and Use Data for UIUC Ebooks 2008-2011

Fiscal Year	#Ebooks (Cumulative)	Amount Spent	#Ebooks Added from Previous Year	Avg. \$ per new Ebook	Total Uses	Cost Per Use
2007	292,002	\$185,991				
2008	345,186	\$224,047	27,531	\$8.14	151,089	\$1.48
2009	411,364	\$204,678	66,178	\$3.09	251,273	\$0.81
2010	484,768	\$383,167	73,404	\$5.22	563,871	\$0.68
2011	614,203	\$732,725	129,435	\$5.66	709,944	\$1.05

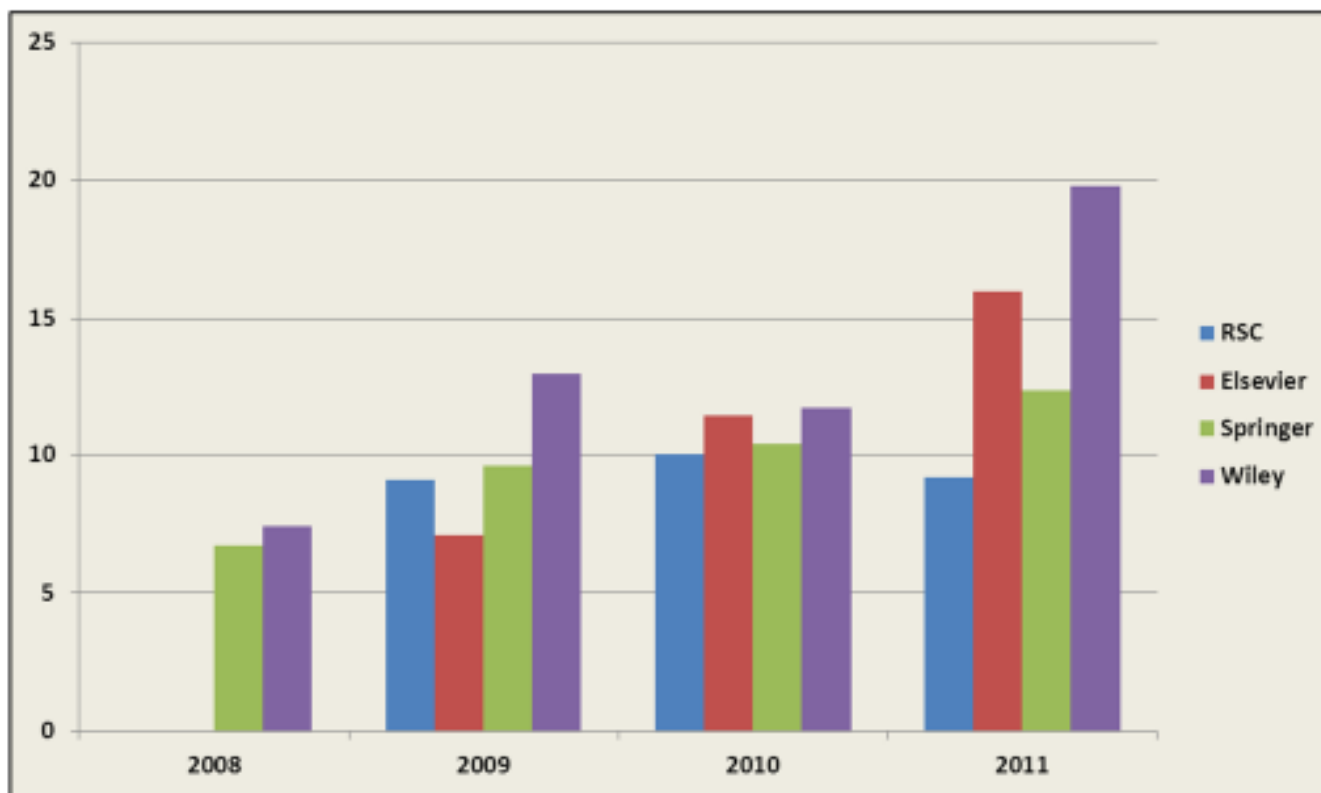
* Use data available from 82% of ebook publishers



Top 10 FY2011 Ebook Publishers by Number of Volumes Available at UIUC

<u>Publisher</u>	<u>#Ebooks in FY2011</u>	<u>FY2011 Uses</u>
Gale (includes Eighteenth Century Collections Online, Making of American Law, Making of Modern Mind)	332,609	69,769
Early English Books Online	106,853	94
Archives of Americana	66,892	Unknown
Springer	45,924	206,740
EBSCO	11,936	Unknown
Wiley	10,448	88,875
CRCNetBase	6,857	6,768
Organisation for Economic Co-operation and Development	6,615	545
Netlibrary	6,182	1,234
American Council of Learned Societies	3,368	33,123
Total	597,684 (97%)	407,148 (57%)

Use Frequency: Average Uses per Ebook



From the Perspective of Library Value, Ebooks:

- Have a low cost-per-ebook purchase
- Have a low cost-per-use
- Are more cost effective to lend, store and preserve than print
- Offer greater accessibility to users (24/7 anywhere)
- Offer greater availability to users (higher uses per ebook than print)
- Can provide broader collection variety due to low cost, package purchases and lower facilities and staffing costs; also
- Often no need to purchase multiple copies



BUT...What do users think?

The Value of Ebooks to Users

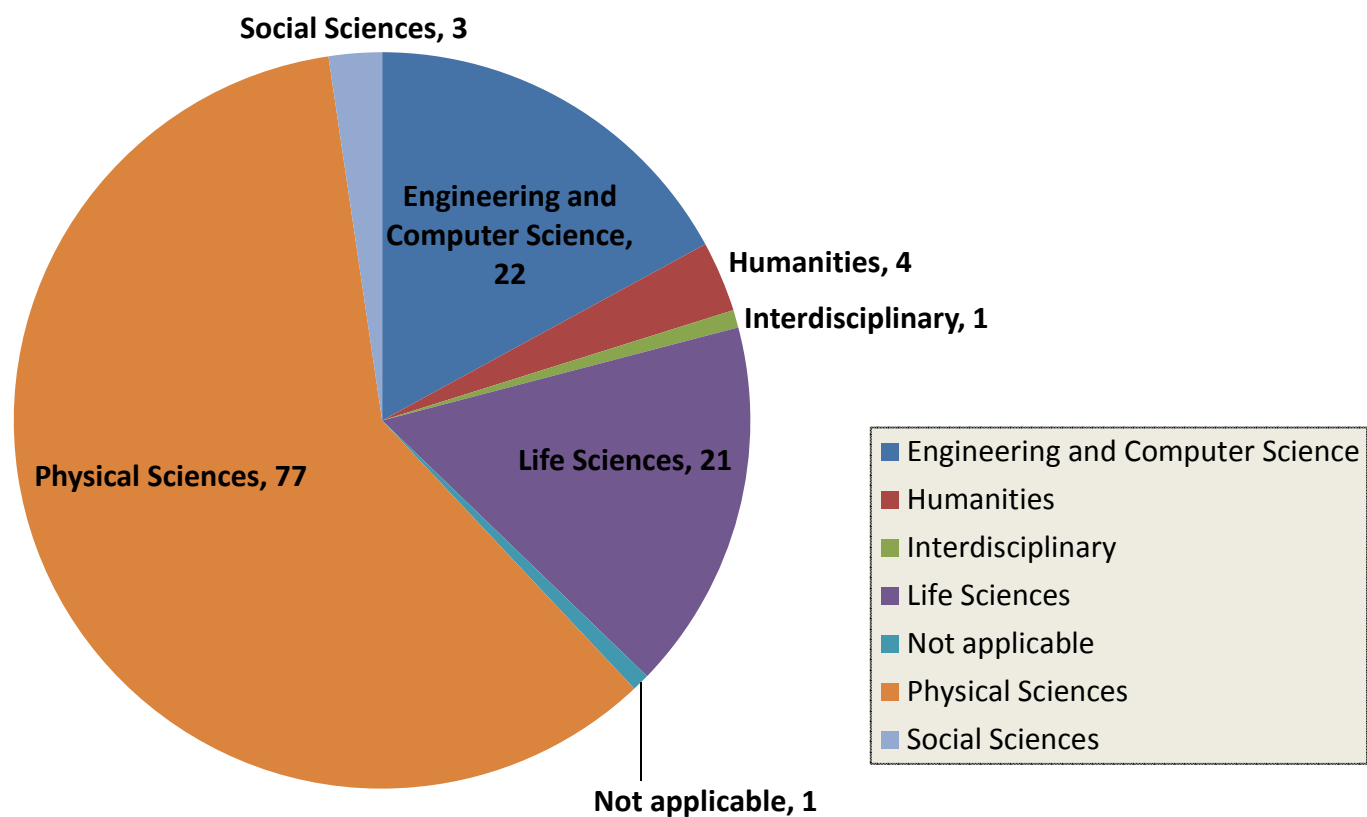
- Users demonstrate their estimation of ebook “value” through use
- UIUC participated in a global Elsevier ebook study in fall, 2010
 - 129 UIUC participants used over 800 ebooks in 4 weeks
 - Ebook study participants filled out logbooks and questionnaires
 - Open text boxes also allowed for user feedback on their estimation of ebook value.

Survey Methodology

- On October 1, 2010 a mass email invitation was sent to all UIUC faculty and graduate students requesting their voluntary participation in an Elsevier ebook study.
- Participants were given a start-up questionnaire to determine their present experience with ebooks and their current preferred format for reading books (pbooks or ebooks).
- Participants were asked to conduct one of their normal searches for information in their discipline on the Elsevier ebook platform.
- Following each search, and after reading some portion of an Elsevier ebook, a logbook diary entry was completed for each ebook interaction.
- The study asked researchers to fill out logbook diaries for up to four Elsevier ebooks and participants were given up to four weeks to complete the diaries.
- Questions concerning how and if users value ebooks were posed.

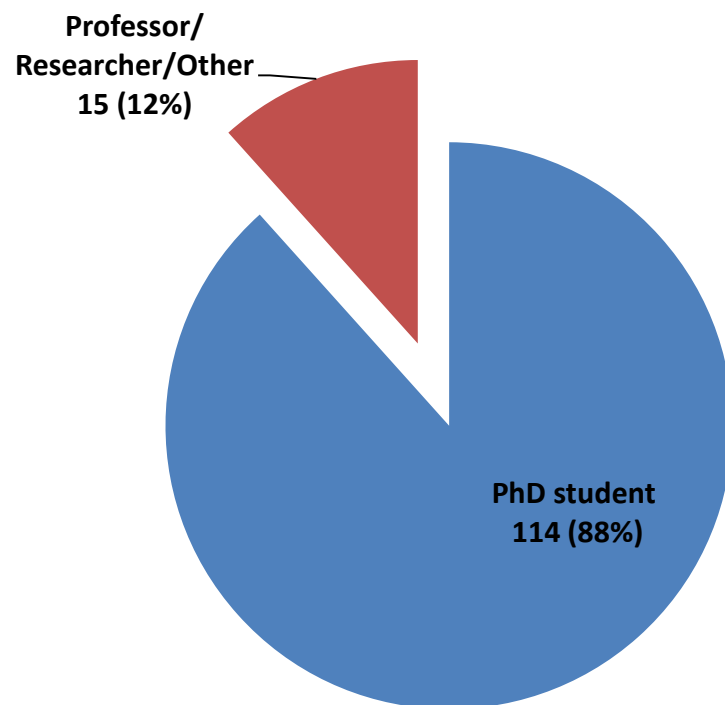
The Value of Ebooks to Users

In which field are you working? N=129



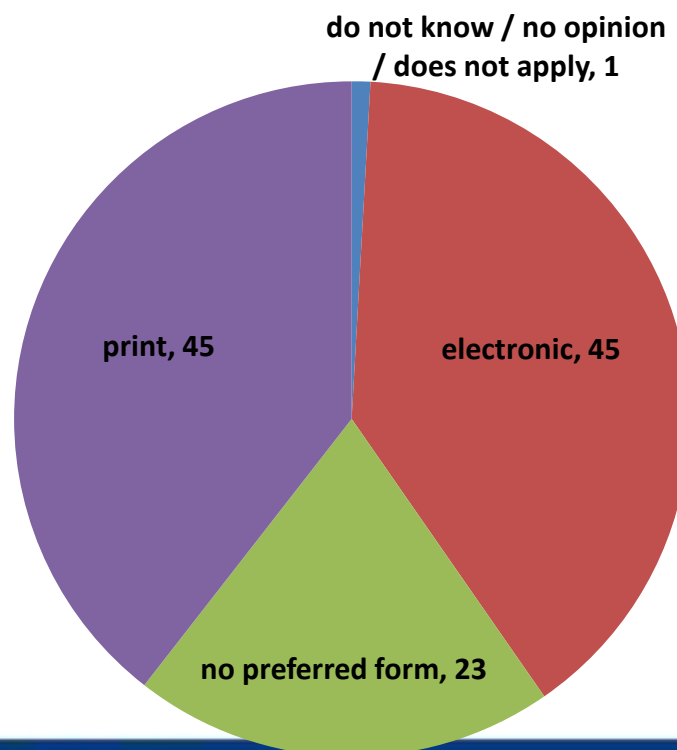
The Value of Ebooks to Users

My position is best described as:



The Value of Ebooks to Users

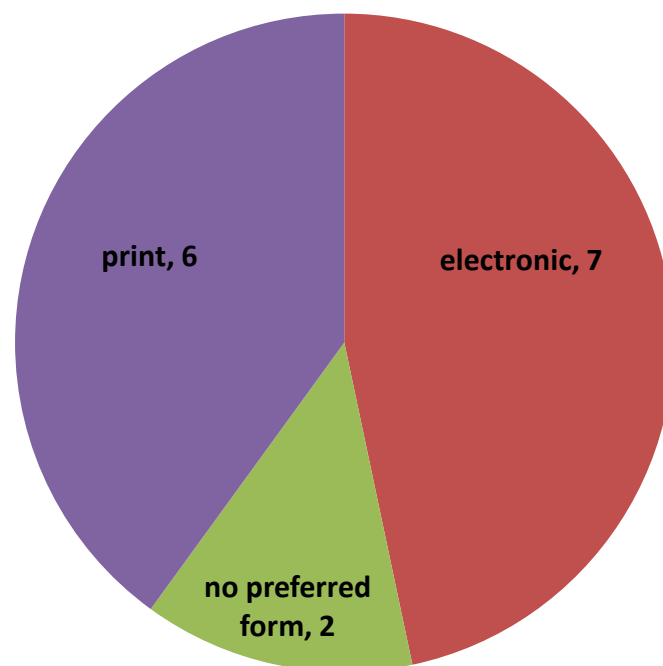
What is your preferred form at this moment for a scholarly book?
n = 114 (PhD students)



The Value of Ebooks to Users

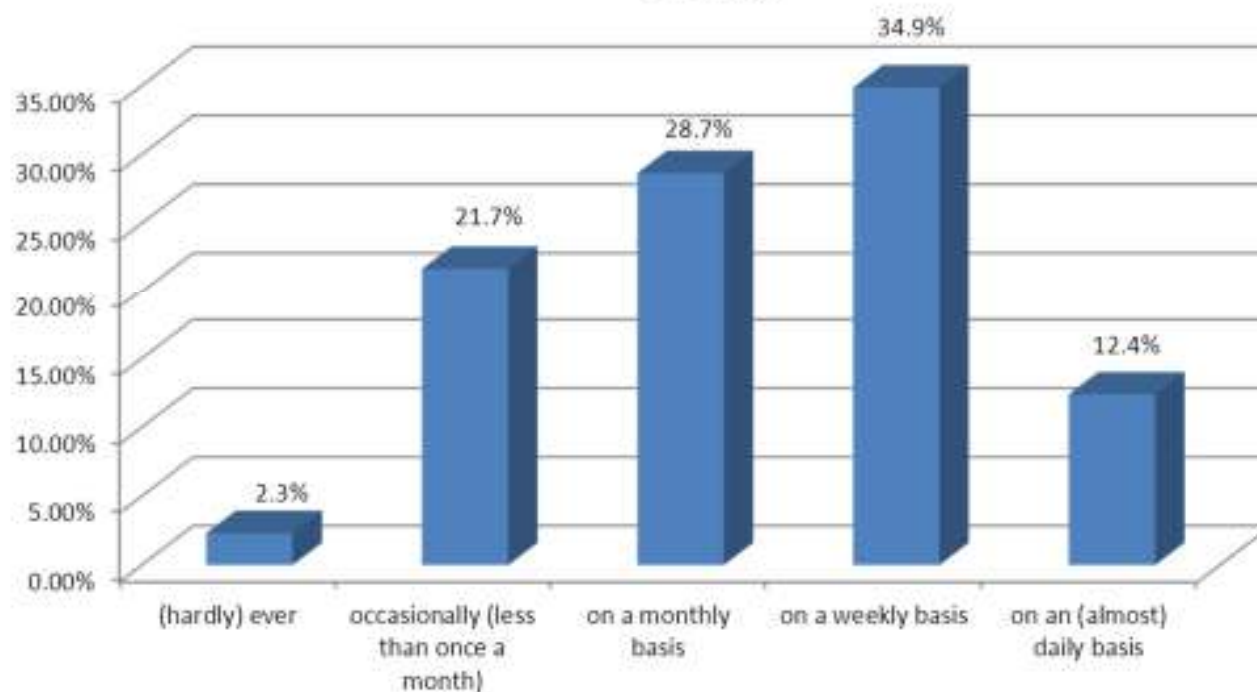
What is your preferred form at this moment for a
scholarly book?

n = 15 (Professor/Researcher/Other)



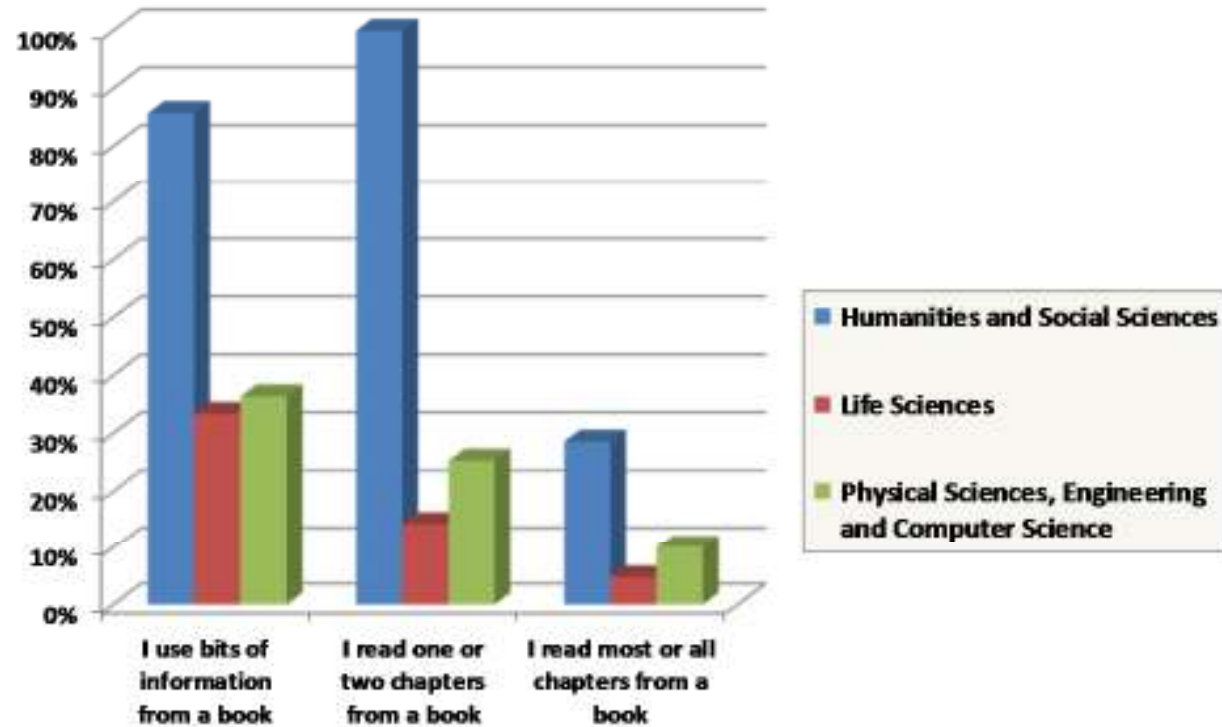
The Value of Ebooks to Users

How often do you search for (electronic or printed) books?
n = 129



The Value of Ebooks to Users

My usage of (printed or electronic) books for research purposes is characterized by:



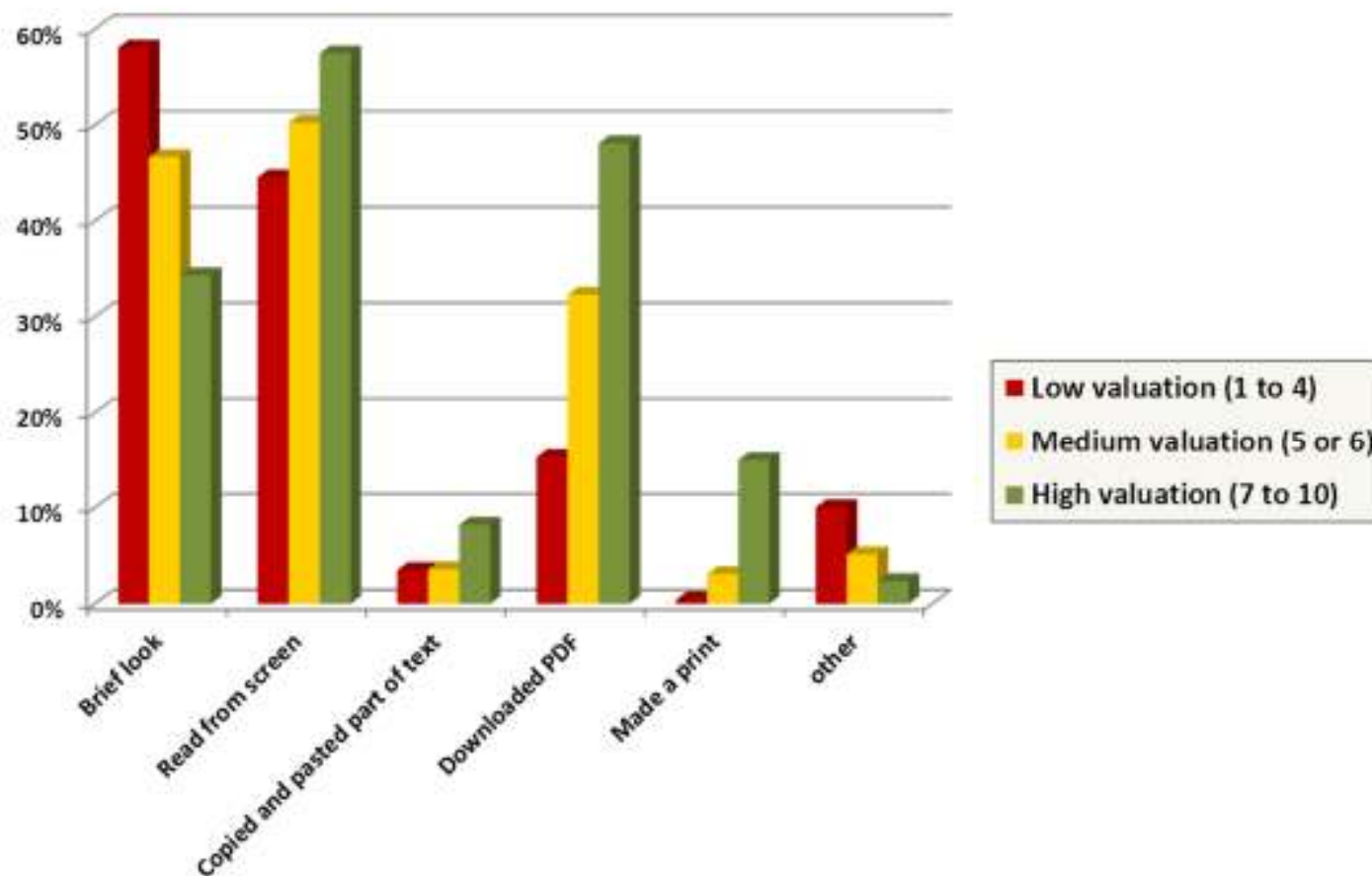
The Value of Ebooks to Users

What are the main advantages of E-books from your perspective?

[PLEASE TICK A MAXIMUM OF 3 BOXES]

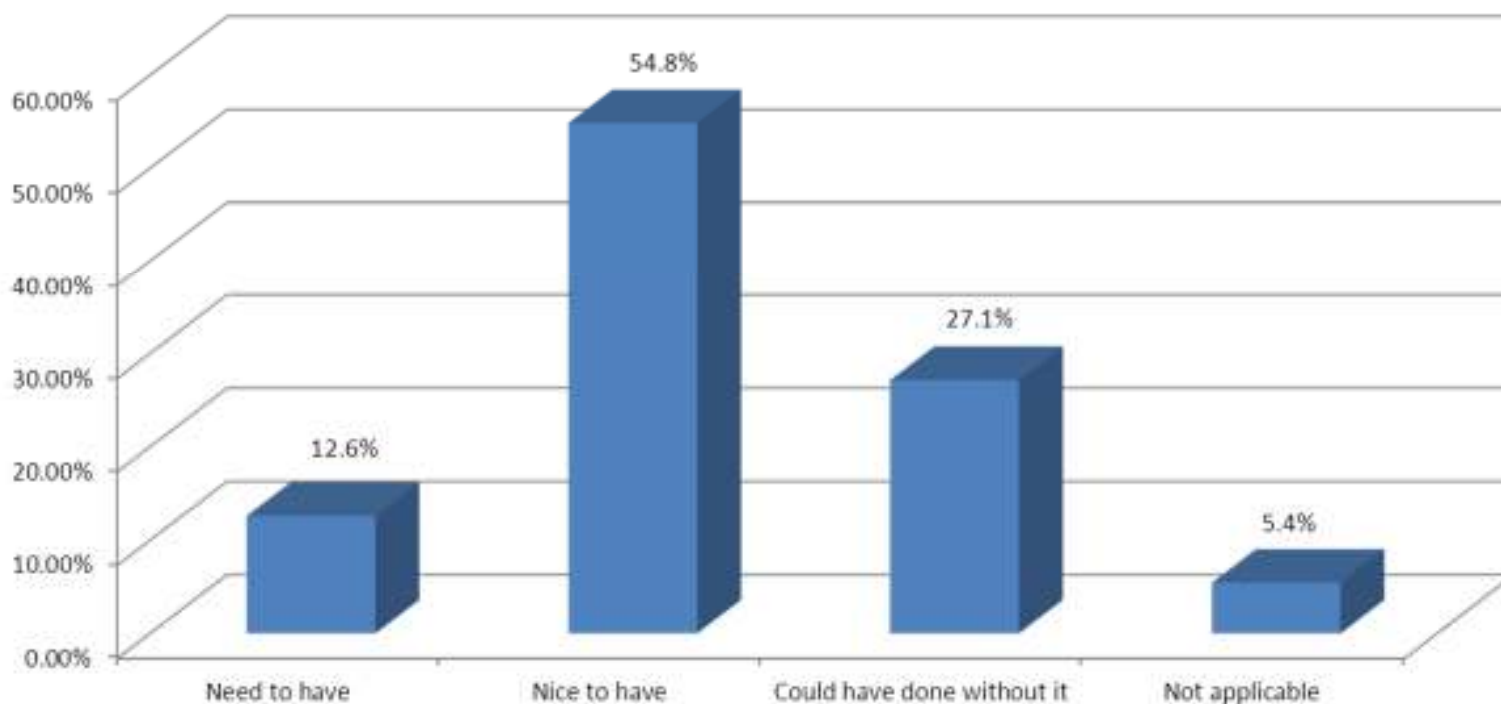
	# Responses	Percent
24 hours/7 days per week access	82	63.6%
online access	79	61.2%
easy to search and navigate	52	40.3%
downloading to laptop	39	30.2%
easy storage	36	27.9%
off campus access	33	25.6%
copying and pasting	16	12.4%
downloading to e-reader	9	7.0%
easy to share with colleagues	8	6.2%
easy to use in an electronic learning environment	6	4.7%
easy to use multiple documents at once	5	3.9%
use of multimedia in the E-book	4	3.1%

How do You Value the Information from this Elsevier E-book?



How do You Value the Information from this Elsevier E-book?

When comparing the above-mentioned results with the retrieved Elsevier E-book(s) in this information search, I rate the value of the information in the Elsevier E-book(s) as: (n=516)



Comment Box Responses Following Value Questions

Comment Description	Not Clear	Negative	Positive
Lack of relevant material	2	89	0
Did not have access to material	10	57	5
Did no better providing information than other resources (Google, journal articles)	5	27	0
Ebook was convenient and easy to access	2	0	6
Not clear	55	0	1
Obtained relevant/useful information	2	0	79
Liked ability to search within the ebooks	0	0	2
Would serve as a nice additional resource	0	1	13
Liked the ebook because it gave background information	4	1	39
Liked the ebook because it gave good detail	0	0	1
Search is good	0	0	9
Search results similar to other sources	1	1	0
Did not like search	0	6	0
Contained current information	0	0	1
E-book was not up-to-date enough	0	8	0
Information in E-book was too general	0	3	0
Liked platform search	0	0	2
E-book content was too specific	0	3	0
Totals	81	196	158

Table 1**Comments concerning e-book features: themes in annotation and interaction**

Theme	# of comments reflecting theme
Desire to mark up text with written notes, either in margins or on sticky notes	5
Desire to highlight in text	5
Desire to fold or otherwise “earmark” pages	4
Desire to interact with multiple pages and get a sense of “the whole book,” not just a single page at a time	1

Comments concerning e-book features: themes in accessibility



Theme	# of comments reflecting theme
Desire for compatibility with screen-reading software (text-to-speech)	5
Desire to change text size or font for readability or use with magnification software	8
Desire to download to e-readers (numbers for specific readers below total more than 17 because some comments request the use of multiple devices)	17
Desire for compatibility with Amazon Kindle specifically	9
Desire for compatibility with iPad specifically	4
Desire for compatibility with Nook specifically	5
Desire to download to PC/laptop for offline reading	5
Desire to download for offline reading with no time limit	1

From the Perspective of the User, Ebooks:

- Offer impressive 24/7 accessibility from anywhere
- Are found using multiple search engines
- Are “Nice to Have” (12.6%) or “Need to Have” (54.8%)
- Are not likely to be shared with colleagues, printed out, or be used in “cut and paste”
- Are most likely to be read from the screen or briefly reviewed
- Need to have the ability to be downloaded in some format
- Are often difficult to access, despite strong interest in the title.

Conclusions

- Ebooks offer value to the library in both a monetary way and through documented “usefulness” to patrons.
- Ebooks offer value to patrons, who “esteem” them due to
 - Accessibility and availability (24/7, literally anywhere in the world)
 - Portability
 - Search and navigation capabilities
- There is still plenty of room for improvement!



Thank you