We know that!
But, how to prove it?
Library use and academic success.

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How we started

Need to demonstrate Impact of Library use and Academic Success

ALA Session: Beyond CRAAP: an updated approach to source evaluation (Maria)

More research (Alan)

Take action

Traditional methods

- Gate counts
- Room use counts
- Reference questions & desk interactions
- Print collection usage
- ILLs
- Library instruction sessions/attendees

Some newer methods

WEBSITE LOGINS

LIBRARY COMPUTER LOGINS

CHATS & EMAILS

PROXY SERVER LOGS

BIBLIOGRAPHIC ANALYSIS

Previous studies - proxy and GPA

LeMaistre, et al. - Nevada State College (2018)

Soria, et al. - University of Minnesota (2013)

Nackerud, et al. - University of Minnesota – Twin Cities (2011)

Thorpe, et al. - University of Indiana Kokomo (2013)

Previous studies - bibliography analysis

Leeder, Markey, & Yakel – University of Michigan (2012)

Rosenzweig, Thill, & Lambert (2019)

Proxy server logs and GPA

Bibliographic Analysis / Count

Our version of the methods (Make it Simple and practical)

NCLIVE "Audit Events" reports.

EZproxy Administration

Current Activity

View server status
View audit events
View messages202002.log last 100 | last 1,000 | last 10,000 | all
View ezp202002.log last 100 | last 1,000 | last 10,000 | all

View messages202002.log lines containing [ ] Find

View ezp202002.log lines containing [ ] Find

Restart EZproxy

Your Status

View your IP address
Logout
View your group memberships

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YES, USE Login.Success

DO NOT Use these
Usernames
"Auto"
"nclive"
"eztester"
"Event"

Audit Events for 2020-02-24

Date/Time	Event	IP	Username	Session	Other
00:00:00	System				Purged audit file 20200124.txt
00:01:36	Logout		vargas-sancheze	TGL203I1bnXIp3W	Expired
00:04:36	Logout		lowee	SU0s8YCIVkD4EUa	Expired
00:07:36	Logout		atkinsg4	h32eEpe4MqWgJmW	Expired
00:09:06	Logout		coxa5	t5CUJBfATQ9TtcS	Expired
00:11:36	Logout		gonzaleza4	ZVr3ChtTShKLH6p	Expired
00:13:36	Logout		cheekg	beMpFQ6UFe4sCtO	Expired
00:14:36	Logout		gonzalezj7	HSl6lOOp7jqERAR	Expired
	Login.Success	152.46.28.235	eztester	hyGXAwyBOK9Co31	
00:20:36	Logout		urquizam2	N3jNIdTOjsuFEmv	Expired
00:24:06	Logout		guyc	X8uPqvMRi46FrzQ	Expired
00:26:06	Logout		odoms	8zGRTiY8Gpwdi1R	Expired
00:27:06	Logout		williarda2	N2z0D5UdIfhrV3a	Expired
00:43:06	Logout		gammonsj4	xc9BeJftpGD76N4	Expired
00:44:05	Login.Success	204.116.20.88	jonesa3937	k8EgK6CNtdjzluo	
00:45:06	Logout		whitakerc7	jLklvLlzfIEaOm2	Expired
00:46:06	Logout		eztester	hyGXAwyBOK9Co31	Expired
01:16:00	Login.Success	152.46.28.234	eztester	1Vx8ujGD0ex0VMx	
01:17:36	Logout		jonesa3937	k8EgK6CNtdjzluo	Expired
01:26:06	Logout		carterb3	0MgFcVmLw88hwua	Expired
01:40:06	Logout		bentonl	E5DLk7KcRn18KA1	Expired
01:46:06	Logout		eztester	1Vx8ujGD0ex0VMx	Expired
01:55:39	Login.Success	66.44.251.29	carterb3	E34d8pxu4fOMCou	
02:16:14	Login.Success	152.46.28.234	eztester	Hok0ylNQqqwEjp3	
02:37:36	Logout		carterb3	E34d8pxu4fOMCou	Expired
02:46:36	Logout		eztester	Hok0ylNQqqwEjp3	Expired
03:16:12	Login.Success	152.46.28.234	eztester	bRwZ9g2rh8oSk0D	
	Logout		eztester	bRwZ9g2rh8oSk0D	Expired
04:15:57	Login.Success	152.46.28.234	eztester	pBF97bnIctirK0h	

Date	Date/Time	Username
12/9/2019	0:14:28	normanp2
12/9/2019	0:38:22	daltonr8716
12/9/2019	0:46:07	Spraguet
12/9/2019	0:46:22	whitakers3

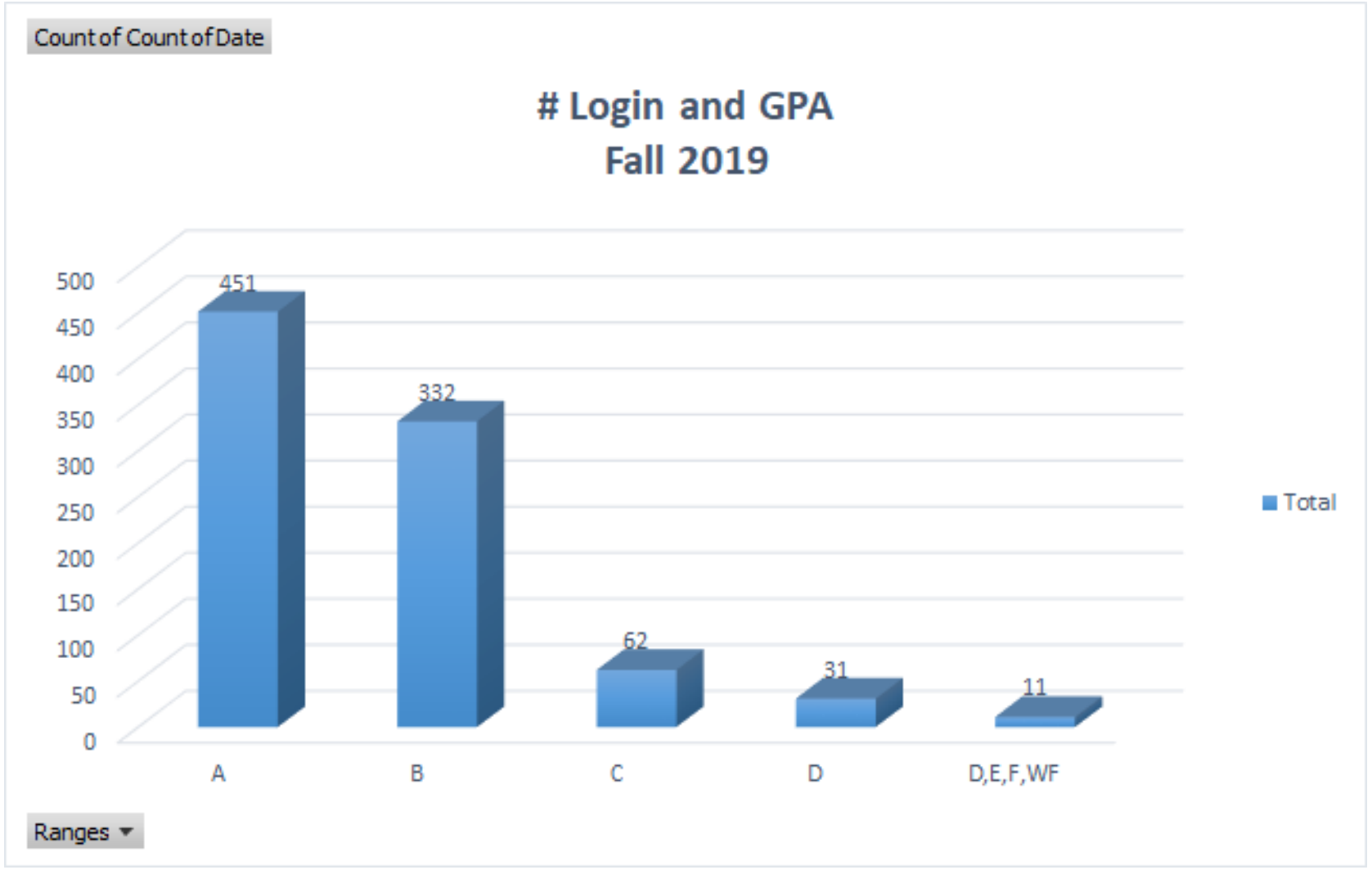
Proxy server logs report

GPA Report

Username	Average GPA
packt	0.00
gammonsb3	4.00
quesinberryb6	3.00
romeroj2	3.00
richardsone	2.00
tatet6771	3.67
mosleym	3.00

Note: We converted numbers to letters

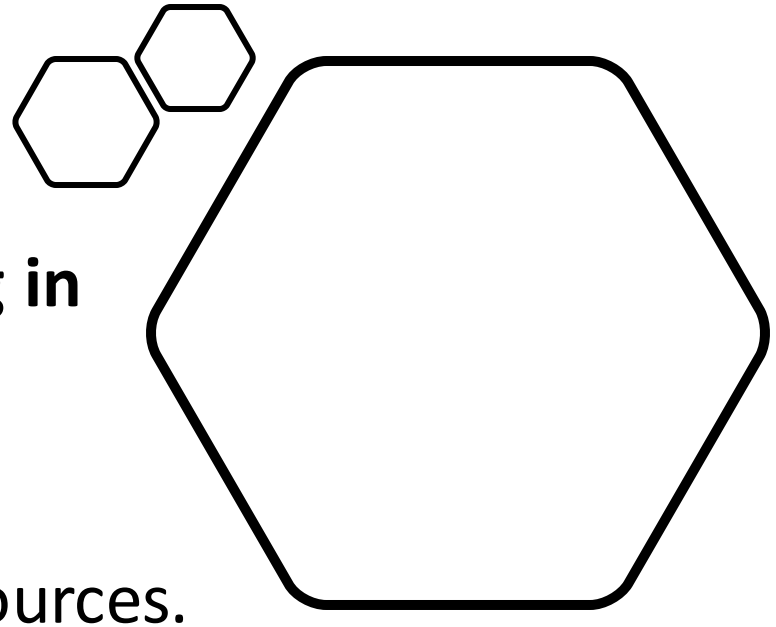
Information from Proxy Report		Information from GPA Report using Vlookup excel formula		
Row Labels	Count of Date	GPA Formula (Vlookup)	GPAValues	Ranges
abad-munozb	1	3.00	3.00	B
adamsc7	2	3.50	3.50	A
adamsm5	10	2.50	2.50	B
adkinsh	11	4.00	4.00	A
adkinsl	4	0.50	0.50	D
aguilark	2	4.00	4.00	A
aguilerap	2	3.75	3.75	A
alberge	1	3.60	3.60	A
allivatom	8	3.50	3.50	A



3244 Students Fall 2019

887 Students accessed the library Off Campus

Findings - Proxy server logs and GPA



- Usernames with **No GPA are Faculty and Staff**
- **Do NOT** have information about **IN CAMPUS log in**
- Only **Have** # Off-Campus Log in
- **Don't know** the research **subject**
- **Good news:** they are looking for help/reliable sources.
- Should be done **every semester, several years.**
- GPA: **Don't know** how many classes they take per semester, so the results might take that in mind for future research (select a group of students with 3 or more classes, maybe)
- We did not analyze GPA of students who did not log in

Bibliographic Analysis / Count

1. Ask faculty members for final paper's bibliographic page with grades (no personal information is required)

   Ex: Fall 2019. Number of graded papers: 82

   ENG 241 - ENG 111 - ENG 112

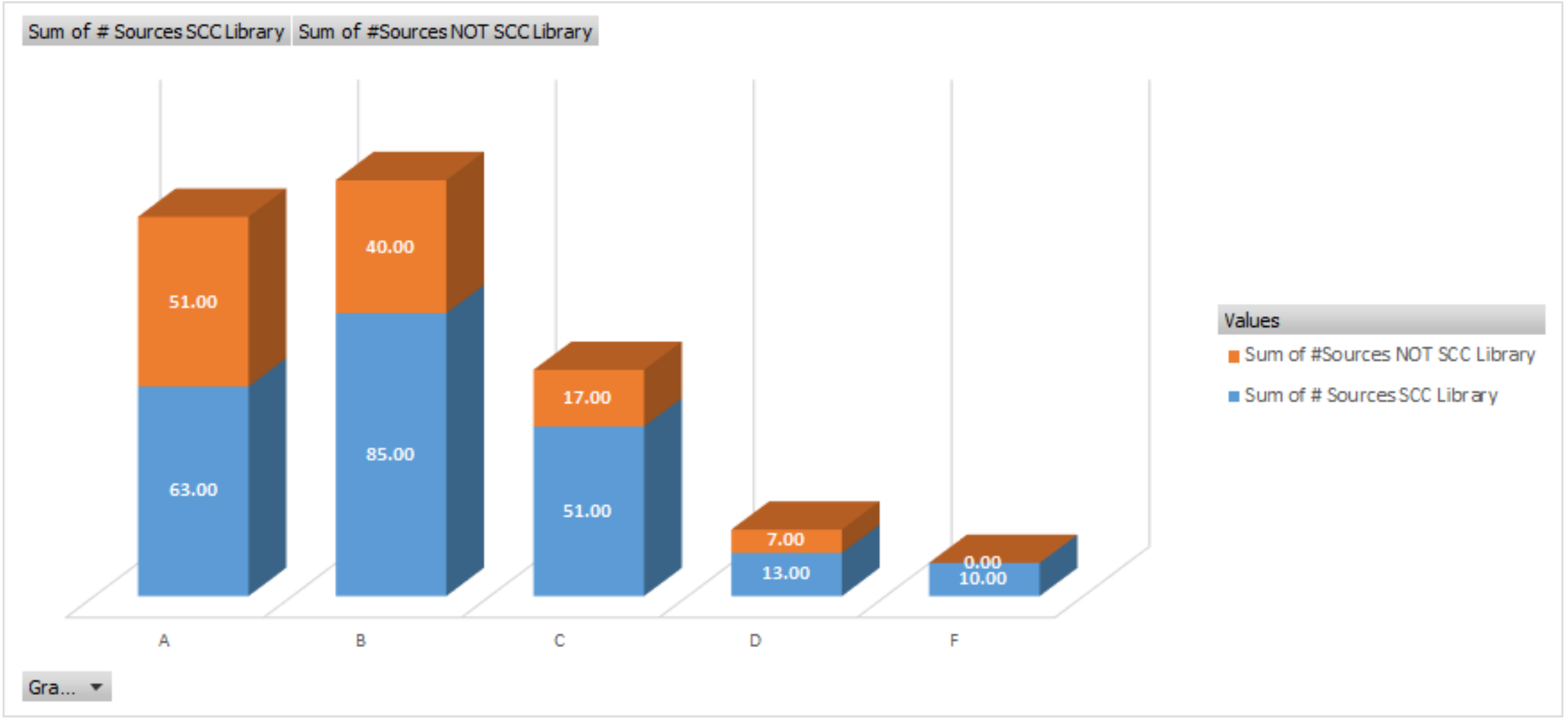
2. Count Library Sources and Non-Library Sources. Verify article is in library databases. (Textbook not included)

3. Compare those numbers with grades.

First name / Last name / Paper #	Assignment Essay Three: Final Research Essay	Grade A-D	# Total sources Citing Page Text Book Not included	# Sources SCC Library Text Book Not included	#Sources NOT SCC Library Text Book Not included	Class	Semester	Faculty Member	Notes
Paper 1	55	F	2	2	0	ENG 111	Fall 2019	S. Wright	
Paper 2	80	B	5	5	0	ENG 111	Fall 2019	S. Wright	
Paper 3	69	D	6	5	1	ENG 111	Fall 2019	S. Wright	
Paper 4	90	A	4	2	2	ENG 111	Fall 2019	S. Wright	
Paper 5	75	C	8	5	3	ENG 111	Fall 2019	S. Wright	
Paper 6	70	C	5	4	1	ENG 111	Fall 2019	S. Wright	
Paper 7	90	A	6	5	1	ENG 111	Fall 2019	S. Wright	
Paper 8	76	C	7	7	0	ENG 111	Fall 2019	S. Wright	
Paper 9	85	B	12	6	6	ENG 111	Fall 2019	S. Wright	
Paper 10	87	B	8	4	4	ENG 111	Fall 2019	S. Wright	

Bibliographic Analysis / Count

Bibliographic Analysis / Count



Observations Bibliographic Analysis / Count

- Most of the "A" and "B" students who used library resources, also used more reliable non-library sources (legit websites)
- We did not track any incidence of library instruction (tip for future research)
- We noticed citations and in text, citations are not always correct but...that was not part of this analysis.
- Students with legit non-library sources also used library sources.

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