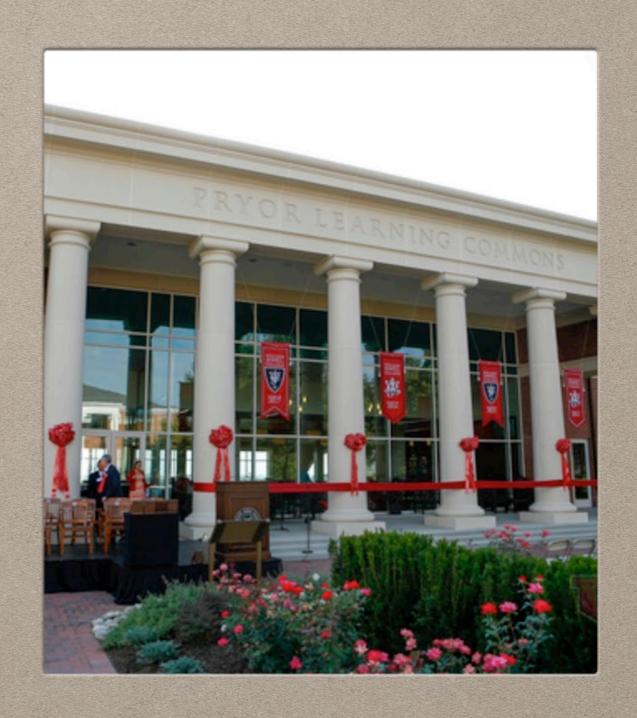
USING GOOGLE FORMS TO FIND ETHNOGRAPHIC TRENDS IN THE LIBRARY

CHRIS VAUGHN
WILLIAM JEWELL COLLEGE



BACKGROUND

- Opened in 2013
- \$15 Million
- 7 Collaboration Studios and 5 Creativity Studios
- Home to 4 Academic
 Services Departments
- Building Accessible to Students 24/7



COUNTING

- Gate Counts
- Reference Statistics
- Instruction Sessions







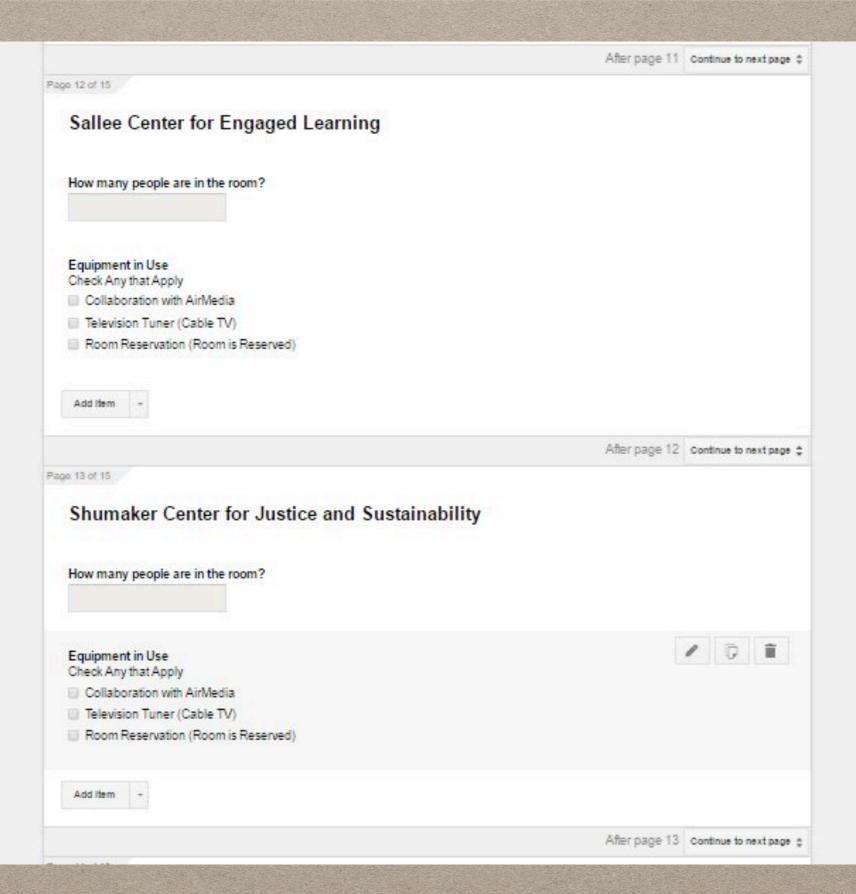






ETHNOGRAPHY

- A form of participant observation most commonly utilized by anthropologists.
- A FIRST-HAND, descriptive written account of a particular culture or group, focusing on a particular population, place and time, and all with the goal of accurately describing that culture.
- Empirical Evidence Justify a belief or falsify a claim.
- Physical Spaces Only Considered: How and What are being used?





Please Asses the Entire Area

How active is the area?

1 2 3 4 5 6 7 8 9 10

Empty O O O O O O O O Busy

How many computers are in use?











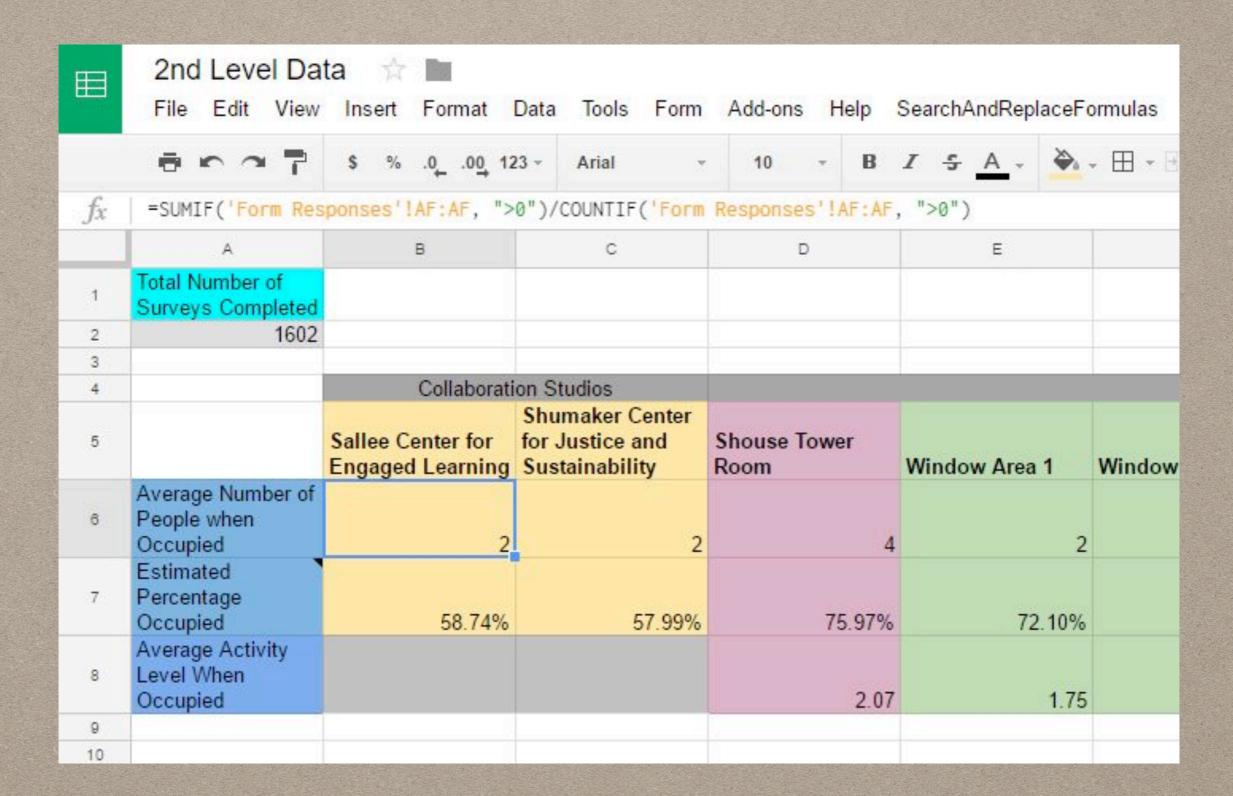
https://docs.google.com/forms/d/e/ 1FAIpQLSemkmgI7IUPSRf0B33a9vgLMXpUND9pNhpdEGtzYqLAkkLn2A/viewform

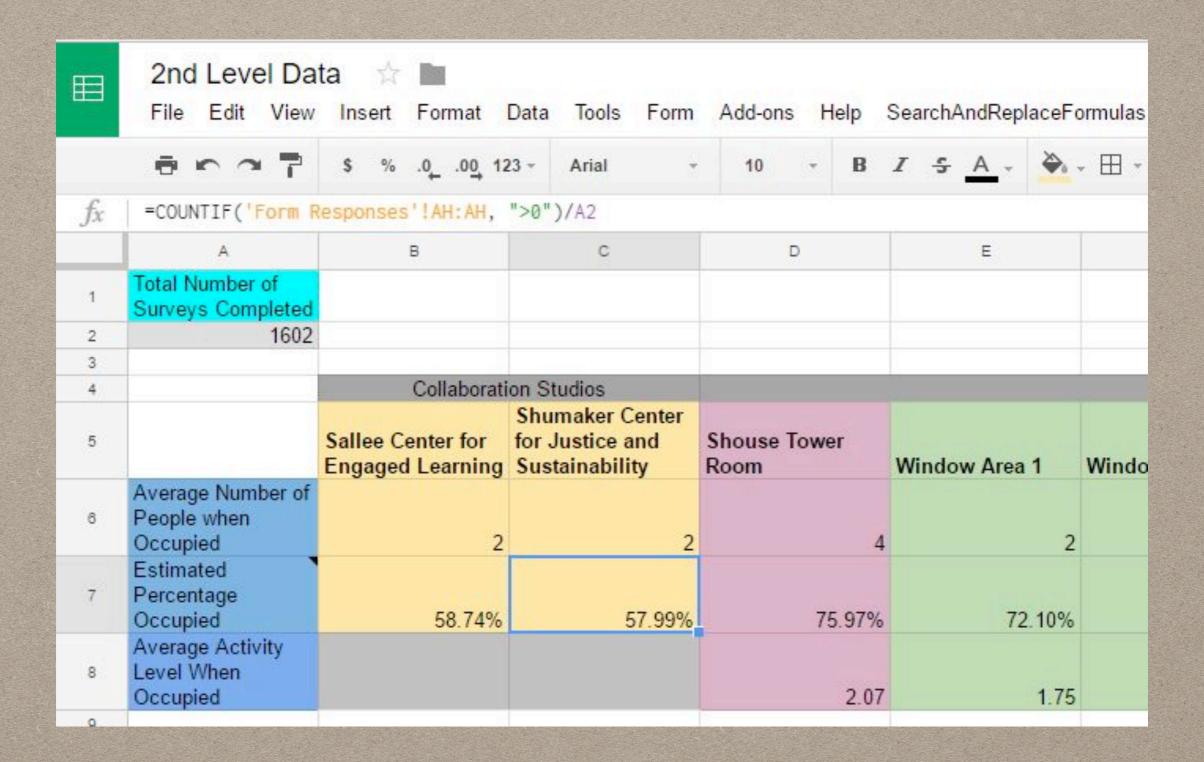
	Α	8	C	D	E	F	G	н	1	4	K	L.	M	N	0
1	Timestamp	How many people are in the area?	How active is the area?	Check all furniture that is in use	Check all furniture that is in use	Check all furniture that is in use	Check all furniture that is in use	How active is the area?	How many people are in the area?	Furniture in Use	How active is the area?	How many people are in the area?		How active is the area?	How many people are in the area?
1586	2/7/2017 13:07:21	2		That couch	Grey window benches	Sidetable	Skinny Grey Couch, Red mushrooms	2	1	Side Tables, Mushroooms	2	1	Privacy Partitions, Side Tables, Mushrocoms	-1	
1587	2/8/2017 13:06:41	0						4	3		2		Side Tables, Mushrocoms	2	1
1588	2/8/2017 18:10:03	0						2	1	Side Tables, Mushrooms	2		Privacy Partitions, Side Tables, Mushrooms	1	0
1589	2/10/2017 13:00:19	2		,	Grey window benches		Skinny Grey Couch, Red mushrooms	2		Side Tables, Mushrooms	2		Side Tables, Mushrocoms	2	
1590	2/10/2017 13:09:35	2			Grey window benches		Skinny Grey Couch, Red mushrooms	2		Side Tables, Mushrooms	2		Side Tables, Mushrooms	2	
1591	2/10/2017 18:03:55	0			belicies		musikouns	1	0		1	0		1	0
1592	2/13/2017 13:04:41	7		Black-white, striped chairs, Red mushrooms, That couch	Grey window benches	Skinny Grey Chairs	Skinny Grey Couch, Red mushrooms	3	3	Side Tables, Mushrooms	2		Privacy Partitions, Side Tables, Mushrocoms	2	1
1593	2/14/2017 13:49:09	31					Skinny Grey Couch, Red mushrooms	1			1			1	1
1594	2/14/2017 18:10:53	2				Skinny Grey Chairs, Red mushrooms, Sidetable		4	3	Side Tables, Mushrooms	2		Privacy Partitions, Side Tables	2	
1595	2/15/2017 13:05:10	4		Black-white, striped chairs, That couch		Skinny Grey Chairs	Skinny Grey Couch	2	2	Side Tables, Mushrocoms	2		Privacy Partitions, Side Tables	2	1
1596	2/15/2017 18:13:30						Skinny Grey Couch, Whiteboard Table	2	2	Side Tables, Whiteboard Tables	1	1	Side Tables		
1597	2/16/2017 13:13:18	3		Black-white, striped chairs, Red mushrooms				2		Side Tables, Mushrooms	1			2	1
1598	2/17/2017 13:03:50	0						2	2	Side Tables, Mushrocoms	2	2	Privacy Partitions, Side Tables, Mushrocoms	2	1
1599	2/20/2017 13:07:21	4		That couch	Grey window benches		Skinny Grey Couch	2	2	Side Tables, Mushrooms	2		Privacy Partitions, Side Tables, Mushrocoms	2	
1600	2/21/2017 13:18:30			Black-white, striped chairs			Skinny Grey Couch	2		Mushrocoms	1			2	1
1601	2/21/2017 18:00:05	0	112	Red mushrooms			Skinny Grey Couch, Red mushrooms	1	0		1		Privacy Partitions, Side Tables	2	2
1602	2/22/2017 13:09:29	5		4	Grey window benches	Skinny Grey Chairs	Skinny Grey Couch	3	3	Side Tables, Mushrocoms	2		Privacy Partitions, Side Tables	2	1

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f _x														
7-	A	В	c	D	E	F	G	н	1	J	K	L	M	N
1	Total Number of	6-14		10				2.76%						
	Surveys Completed 1602													
3	1002													
4		Collaboratio			10	1	- 1	2	Floor Areas			The second second	-	
5		Sallee Center for	Shumaker Center for Justice and	Shouse Tower				Study Area in	Living Room Near			Dark Brown Study	Dark Brown Study	Lander's Faculty
		Engaged Learning			Window Area 1	Window Area 2	Window Area 3	Middle of Room	Fireplace	Computer Table 1	Computer Table 2	Table 1	Table 2	Commons
6	Average Number of People when													
	Occupied	2	2	4	2	2	1	3	2	2	2	2	2	3
	Estimated Percentage													
	Occupied	58.74%	57.99%	75.97%	72.10%	69.54%	52.12%	76.72%	50.87%	54.06%	62.48%	77.09%	66,60%	72.22%
8	Average Activity Level When													
	Occupied			2.07	1.75	1.75	2.05	2.28	1.22	1.54	1.89	1.83	1.72	2.04
9 10														
-11	Equipment Usage													
12														
12	Collaboration with AirMedia	67	47											
	Estimated Percentage Used	4.18%	2.93%											
15														
	TV Tuner	0	0											
17	Estimated Percentage Used	0.00%	0.00%											
18			630											
	Room Reservation Estimated	622												
	Estimated Percentage Used	38.83%	39.33%											
21 22														
23	Furniture Usage													
24	Black-white, striped													
20	chairs			600										
26	Estimated Percentage Used			37.45%										
27	and the same of th		2					200			E .			
	Red mushrooms Estimated			1089	792	713	483							
29	Estimated Percentage Used			67.98%	49.44%	44.51%	30.15%	36.89%						
30	Grey window													
	benches			331										
32	Estimated Percentage Used			20.88%										
33	reidentage Osed			20.00 /6					14. 14. 17.					

Jx				22 11		300								
	A	В	C	D	E	F	G	н	1	1	×	L	M	N
25	Black-white, striped chairs			600										
26	Estimated Percentage Used			37.45%										
27	Red mushrooms			1089	792	713	483	591						
29	Estimated Percentage Used													
30	Percentage Used			67.98%	49.44%	44.51%	30.15%	38.89%				±		
31	Grey window benches			331										
32	Estimated Percentage Used			20.66%										
33				445	620	0.0	128							
34 35	Whiteboard Table Estimated Percentage Used			119	182	82								
36	Percentage Used			7.43%	10.11%	5.12%	7.99%							
37	Bamboo Side tables				1025	998	629							
38	Estimated Percentage Used				63.98%	62.17%	39.26%							
39		9		9		YA CO		1		1		÷		
40	Privacy Partitions Estimated					841	508							
41	Estimated Percentage Used					52.50%	31,71%		:					
43	Grey Bench Seating							1189						
44	Estimated Percentage Used							74.22%						
45		7										5		
46	Red Lounge Chairs Estimated Percentage Used													249
48	Percentage Used						-					1		15.54%
49	Grey Sofa (Landers)													711
50	Estimated Percentage Used													44.38%
51	and the costs													11.0070
52	Black Side Tables (Landers)													208
53	Estimated Percentage Used													12.98%
54														
55	Gray Chairs (Landers)													194
56	Estimated Percentage Used													12.11%
57														

T.	Total Number of Sun A	veys Completed													
Tr.	A		urveys Completed												
Te		В	C	D	E	F	G	Н	1	J	K	L	M	N	
	otal Number of														
	Surveys Completed														
3	1477														
4		Colleboration	on Studios	Floor Areas	Floor Areas					The state of the s					
		Collaboration Studios Mathes Stingley				Both Circular									
5		Collaboration	Collaboration	Shouse Tower	Room Near		Coffee Shop		Bench Seating	Study Area in	Large Study Table	Large Study Table	Window Study	Window S	
		Studio	Studio	Room	Fireplace	Room	Living Room	Cafe Table Area	Area in Corner	Middle of Room	1	2	Area 1	Areas	
A	verage Number of														
	People when Docupied			2		5	3		2		5			3	
-	stimated			.7		3									
	Percentage														
	Docupied			73.60%	73.73%	64.25%	72.04%	65.00%	55.99%	65.00%	89.84%	85.44%	87.54%	6	
A	verage Activity														
	evel When					2.00							4.000000000		
9	Docupied			2.44	2.75	2.98	2.81	2.57	3.54	2.57	3.59	3.38	4.699683878	8 4.2	
1000	Ise Type														
11	se type														
	Class	3.38%	1.00%												
	Broup Study	68.07%	72.01%												
	Other	28.58%	26.99%												
15										17					
	quipment Usage														
17	Collaboration with														
	kirMedia	61	38												
-	stimated	0,													
19 P	ercentage Used	4.13%	2.44%												
20															
	V Tuner	33	34												
	stimated	2 2224	2.202/												
23	Percentage Used	2.23%	2.30%												
	Room Reservation	428	392												
-	stimated	420	362												
20 P	ercentage Used	28.84%	26.54%												
26															
27															





FINDINGS

- Computer Areas were Important to Students: around 62% usage
- 2nd Floor: Smallest gate count, largest survey count
- Low Activity Levels on Quiet
 Floor
- Meetings/Group study: 60% Use
- 3rd floor tables: Highest Use Area 89%
- Low AirMedia use: 18% Highest (112) all others around 4-6%





QUESTIONS

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