

UW Facilities Data Update

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Overview

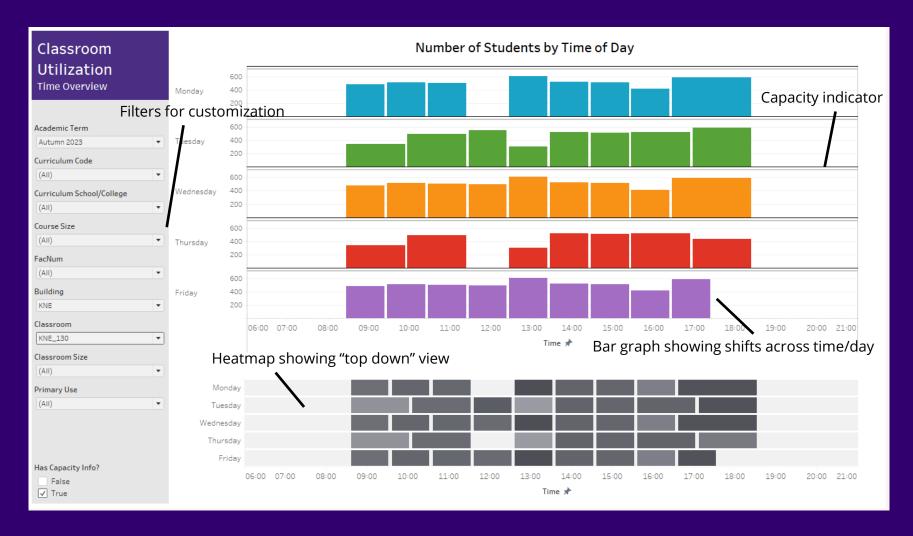
Two broad updates

- Facilities data has been linked to course data to create a data model
- Alignment took some time due to notation for some classrooms (e.g. "T-231" vs "T231")
- Model currently includes:
 - > All classrooms offering courses over the past academic year
 - > Course/curriculum information for these courses
 - > Building information for the classrooms
 - > Capacity information for the classrooms

- Prototype tableau dashboards have been built showing different elements of capacity
- These dashboards show (screenshots included):
 - > Student counts over time
 - > Capacity over time
 - > Capacity by location
 - > Capacity by building
 - > Capacity by building and classroom type

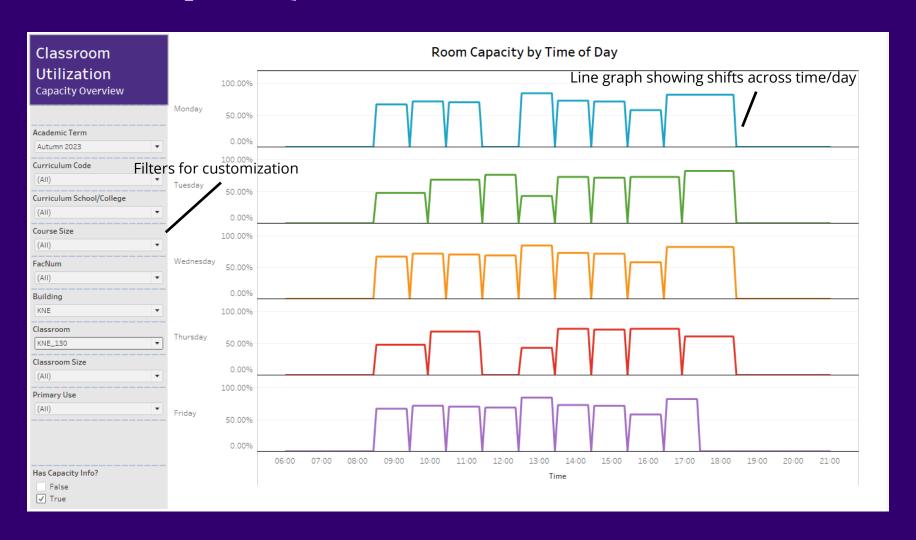


Dashboard: Students over time



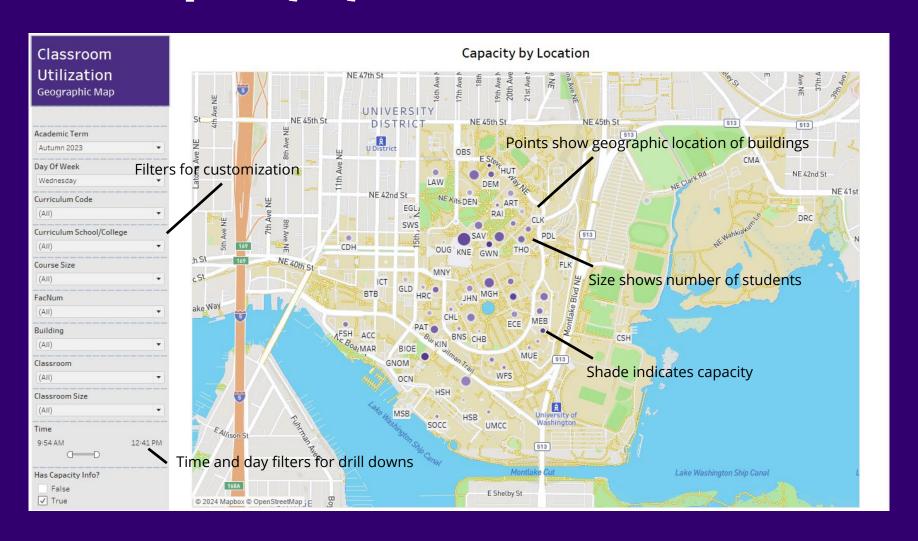


Dashboard: Capacity over time





Dashboard: Capacity by location





Dashboard: Capacity by building

Classroom	Tabl	e shows	s building avera	ge capacity	Utilization	Table Sha	ide indicates	s average c	apacity
Utilization	FacNum	Building	Building Name	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Utilization Table	1119	ACC	Wallace Hall	20.97%	70.16%	51.70%	70.88%	34.72%	,
	1131	AER	Aero & Eng Rsch	_			0.00%		
	6140	ALD	Alder Hall	10.85%	10.27%	18.84%	5.87%		
cademic Term	1351	AND	Anderson Hall	28.50%			22.83%	25.34%	
Autumn 2023	1180	ARC	Architecture Hall	47.15%	34.68%	49.46%	34.37%	27.70%	
Autumn 2025	1298	ART	Art Bldg	28.20%		27.97%	30.79%	18.99%	
urriculum Code	1294	ATG	Atmos Sci/Geophys		30.80%	35.36%		24.21%	
(AII)	1206	BAG	Bagley Hall	36.19%	51.97%	45.07%	47.42%	31.62%	6.15%
urriculum School/College	4057	BIOE	Foege Bioeng	0.00%	9.56%	4.48%	3.62%	0.00%	
	1132	BLD	Bloedel Hall	5.29%	46.10%	8.84%	41.43%	18.86%	
(AII)	1277	BNS	Benson Hall	25.43%	38.25%	29.62%	43.87%	38.24%	
acNum	1115	BTB	Brooklyn Trail Bldg	37.83%	14.06%	26.82%	10.61%	6.75%	0.00%
(AII)	1124	CDH	Condon Hall	29.17%	35.66%	29.35%	37.55%	4.21%	
	1108	CHB	Chemistry Bldg	0.00%	41.82%	32.91%	41.82%	32.91%	
uilding	1279	CHL	Chem Lib Bldg	28.18%	29.75%	35.48%	34.49%	19.76%	
(AII)	1178	CLK	Clark Hall	18.91%	29.09%	18.70%	34.23%	20.07%	
ime	1129	CMA	Ceramic & Metal Arts	15.63%	49.11%	15.63%	49.11%		
3:00 AM 4:50 PM	1161	CMU	Communications Bldg	31.94%	38.50%	37.91%	40.52%	28.36%	0.00%
4.30 FW	3991	CSE	Allen Ctr for CSE		2.41%		0.00%		
•	6502	CSE2	Gates Ctr for CSE	59.77%	40.62%	59.77%	35.38%	46.56%	
	1166	CSH	Conibear Shellhouse						
	5981	DEM	Dempsey Hall	40.97%	49.96%	49.58%	54.64%	32.45%	
	1181	DEN	Denny Hall	23.94%	24.06%	28.09%	27.53%	21.19%	
Filters for customiza	atio l103	DRC	Douglas Rsch Consv	0.00%	7.96%	36.38%	7.59%	9.40%	
Theory for education	1008	ECE	Elec & Comp Eng Bldg	37.50%	38.02%	30.69%	37.57%	12.36%	
	1182	EGA	Engineering Anx		7.92%	9.30%	11.89%	8.75%	
	1140	EGL	Eagleson Hall	29.54%	20.92%	28.34%	41.62%	27.55%	
	1316	EXED	BOA Exective Ed Ctr	61.80%	30.51%	61.80%	27.43%	19.85%	
	1111	FLK	Fluke Hall						
	1357	FSH	Fishery Sciences	34.28%	14.95%	34.81%	14.33%	15.61%	
as Capacity Info?	1104	FTR	Fish Teach & Rsch	26.12%	23.00%	16.89%	45.02%	26.75%	
False	1135	GLD	Gould Hall	25.25%	30.08%	26.12%	28.27%	17.55%	0.00%
✓ True	4058	GNOM	Foege Genome	36.31%	8.02%	13.55%	8.02%	30.67%	



Dashboard: Capacity by building and classroom type

Classroom		Table shows average capacity					ilization Tab	le by Class	Shade indicates average capa			
Utilization		FacNu =	Building	Building Na	Classroom Size	#	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Utilization Table		1119	ACC	Wallace Hall	25-34	1	15.10%	71.52%	42.98%	72.68%	43.64%	
		1131	AER	Aero & Eng	25-34	1				0.00%		
		6140	ALD	Alder Hall	25-34	1	0.00%					
Academic Term					35-50	1	9.21%	7.81%	9.21%	4.47%		
Autumn 2023	-				51-69	1		0.00%		0.00%		
		1351	AND	Anderson Hall Architecture	<15	1		113.94%	102.42%	15.45%		
Classroom Size					25-34	1				1.26%		
(Multiple values)	~				35-50	3	20.36%	26.58%	31.19%	14.75%	20.36%	
Curriculum Code		1180			100-199	1	39.47% 0.00%	40.11% 0.00%	29.05% 0.00%	40.11% 0.00%	39.47% 0.00%	
(AII)	-	1100	ARC	Hall	15-24	1	27.37%	26.99%	29.07%	26.99%	0.00%	
					25-34	4	0.00%	0.00%	0.00%	16.67%	0.00%	
Curriculum School/College					35-50	1	52.66%	52.73%	53.97%	64.38%	1.31%	
(AII)	•				51-69	1	30.33%	27.66%	30.33%	27.66%	40.00%	
acNum					200+	1	68.79%	47.13%	68.79%	47.13%	43.39%	
(AII)	•	1298	breakdo	Art Bldg owns by	<15	3	119.53%	0.00%	84.18%	106.06%	0.00%	
D.::Ld:					15-24	9	16.62%	32.01%	16.62%	32.01%	12.83%	
Building		Shows h			room size	17	26.07%	31.15%	26.61%	27.50%	29.67%	
(AII)	T	3110W3 D			35-50	2	13.41%	18.67%	13.41%	24.54%	13.41%	
lime -					51-69	1	62.70%	46.48%	62.70%	53.40%	60.26%	
8:00 AM	1:30 PM				70-99	1	15.45%	32.91%	15.45%	32.91%	17.88%	
O D .	—D _	1294	ATG	Atmos	<15	3	16.10%		10.30%		0.00%	
				Sci/Geophys	10 24	1	0.59%		0.59%		0.59%	
					25-34	1	14.77%	10.71%	14.29%	10.71%	14.29%	
		1206	BAG	Bagley Hall	<15	3		546.42%	342.98%	517.49%	3.79%	
Filters for cus	ation			15-24	1		1.01%	1.11%	1.01%	1.11%		
					25-34	4	39.46%	62.10%	33.18%	44.29%	54.87%	
					35-50	2	0.00%	49.64%	32.27%	23.84%	16.43%	
					51-69	1	0.00%	29.09%	29.09%	28.21%	15.15%	
					70-99	4	25.55%	23.87%	27.06%	20.61%	21.23%	0.070/
Has Capacity Info?					100-199	1	54.95%	33.28%	54.95%	38.84%	54.03%	9.87%
False		4057	BIOE	Foege	200+ 15-24	3	51.16% 0.00%	71.71% 0.62%	51.16% 0.00%	71.71% 12.48%	51.16% 0.00%	
✓ True		4037	BIVE	Bioena	25-24	3	0.00%	0.62%	0.00%	0.00%	0.00%	



Next Steps

- Add additional data elements including course types and modes of instruction
- Expand data to include all classrooms and not just classrooms that offered courses

- Build additional views to better facilitate exploration of data and enable optimization of classroom use
- Iterate on current designs to better align with pertinent questions around this data