

DEMOCRATIZING DATA WITH TABLEAU

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AGENDA

- Introduction
- What is Tableau
- History of Tableau at UWGB
- Query
- Analyze
- Display
- Questions



WHAT IS TABLEAU

- Data visualization and business intelligence tool.
 - Create sharable interactive dashboards to support business decisions.
 - Drag and drop design interface.
 - Bring together a wide variety of data sources.
 - Extremely customizable.
 - Supports multiple programming languages, but not code based.
- Tableau products
 - Tableau Desktop
 - Tableau Prep
 - Tableau Server
 - Tableau Mobile
 - Tableau Public



HISTORY OF TABLEAU AT UWGB

- PeopleSoft school
- One person office until 2021, soon to be 3.
- How reporting was done
 - PDF and Excel reports produced in SAS, Hyperion, and PeopleSoft Query
- Tableau Desktop
 - I introduced the use of tableau in 2020
 - Started by producing report from excel connections
 - Show potential of the software.
 - Was quickly granted access to connect to PeopleSoft.
- <https://www.uwgb.edu/ise/>



College Dashboard

Updated: 7/18/2023 6:14:51 AM

1. Choose your College (All)

2. Choose Reporting period (All)

3. Choose a Semester (Academic Year)

Enrollment in Academic Plan

Enrollment: 2,592

View by: college/sem. 2023-24

View by: college/sem. 2023-24

Cohort Term

Cohort Term	77.1%	22.9%	Count
Fall 2016	77.1%	22.9%	35
Fall 2017	63.5%	36.4%	33
Fall 2018	87.5%	12.5%	34
Fall 2019	71.4%	28.6%	35
Fall 2020	74.2%	25.8%	34
Fall 2021	81.8%	18.2%	26
Fall 2022	85.2%	14.8%	27
Fall 2023	100.0%		31

Persistence by Demographic

Students of Color: 2016-2022

Gender Identity: 2016-2022

Traditional: 2016-2022

First Generation: 2016-2022

PELL Eligibility: 2016-2022

GPS Students: 2016-2022

Course Campus	Course	Section	Modality	Gen Ed	Open Seats	Enrollment Total	Enrollment Cap	Waitlist Tot	Waitlist Cap
Green Bay	ABT 705	9351	O	No	28	2	30	0	0
	ABT 715	9351	O	No	27	3	30	0	0
	ABT 720	9351	O	No	27	3	30	0	0
	ABT 725	9351	O	No	28	2	30	0	0
	ABT 789	9351	O	No	29	1	30	0	0
	ABT 790	9351	O	No	28	2	30	0	0
	ACCTG 201	0800	O	Yes	3	32	35	0	0
		0801	O	Yes	27	8	35	0	0
	ACCTG 202	0800	O	No	1	34	35	0	0
		0801	O	No	24	11	35	0	0
	ACCTG 201	0800	O	No	-3	38	35	0	0
	ACCTG 497	0001	P	No	21	5	26	0	0
	ANTHRO 100	0800	O	Yes	17	63	80	0	5



Students from previous year for current term

Academic Year	Student Group	Grand Total	18	17
2022-23	All	2,825.0	18	4.0
2021-22	All	2,802.0	1.0	
2020-21	All	2,746.0		1.0
2019-20	All	2,874.0		
2018-19	All	2,005.0		1.0
2017-18	All	2,128.0		2.0
2016-17	All	6,564.0	2.0	71.0
2015-16	All	6,090.0	46.0	14.0
2014-15	All	5,822.0	15.0	11.0
2013-14	All	5,895.0	13.0	103.0
2012-13	All	1.0		
2011-12	All	5,706.0	39.0	68.0
2010-11	All	5,069.0	29.0	38.0
2009-10	All	26.0		
2008-09	All	1,044.0		
2007-08	All	40.0		

UW - Green Bay Fact Book

Updated: 5/1/2023 9:25:00 PM

Headcount	FTE
7,641	5,479.75

Campus	Career	Students	FTE	SCH
Green Bay	Undergraduate	5,098	4,222.47	63,532
	Undergraduate Spec.	143	62.53	950
	High School	1,007	241.27	3,619
	Graduate	411	226.42	2,940
	Graduate Social	29	11.09	133
	Doctorate	20	9.25	111
	Total	6,704	4,783.02	71,185
Manitowoc	Undergraduate	194	152.00	2,280
	Undergraduate Spec.	3	1.00	15
	High School	137	97.83	1,449
	Total	334	250.99	3,764
Marinette	Undergraduate	112	87.27	1,309
	Undergraduate Spec.	16	4.33	65
	High School	77	55.73	836
	Total	205	147.33	2,210
Sheboygan	Undergraduate	367	291.47	4,222
	Undergraduate Spec.	11	9.53	53
	High School	20	13.47	202
	Total	398	294.47	4,477
Grand Total		7,641	5,479.75	81,636

Campus	Entrance Status	Count
Green Bay	New Transfer	218
	Re-Entry	173
	Continuing	5,041
	New First Time S.	672
Manitowoc	New Transfer	7
	Re-Entry	9
	Continuing	309
	New First Time S.	10
Marinette	New Transfer	4
	Re-Entry	4
	Continuing	181
	New First Time S.	14
Sheboygan	New Transfer	26
	Re-Entry	21
	Continuing	334
	New First Time S.	17
Grand Total		7,641

Campus	International	Non-URM	Underrepresented Minority	Headcount
Green Bay	74	5,464	250	138
Manitowoc	14	1,166	75	53
Marinette	14	104	104	1,399
Sheboygan	205	398	398	7,641
Grand Total	6,704	334	205	398

Campus	Veteran	Child/Spouse of Veteran	Non-Veteran or Child/Spouse of Veteran
Green Bay	313	735	9,118
Manitowoc	5	39	291
Marinette	6	23	176
Sheboygan	15	34	349
Grand Total	359	850	6,432

County	Resident	Out of State or Country
Brown County	1,961	
16 County Footprint	2,945	
Other Counties and States	2,735	
Grand Total	7,641	

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QUERY

- Connect to a wide variety of data sources.
- No coding needed but can support many languages (SQL, R, Python)
- Can just drag and drop
- Create unions.
- Many cleaning options right in tableau desktop
- Two options for data models. Can have multiple data models.
 - Logical = relationships
 - Physical = joins

ANALYZE

- Can create calculated fields
- Built in analytics
- Customize analytics
- Trends and forecasting

DISPLAY

- Charts, Graphs, Tables
 - Automatic and custom
- Different layouts for different devices.
- Ways to share
 - Tableau Public
 - Tableau Server
 - PDF
 - Tableau Reader
- Automatic updating of data.

QUESTIONS