DEMOCRATIZING DATA WITH TABLEAU

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AGENDA

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

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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 programing languages, but not code based.

- Tableau products
  - Tableau Desktop
  - Tableau Prep
  - Tableau Server
  - Tableau Mobile
  - Tableau Public

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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/

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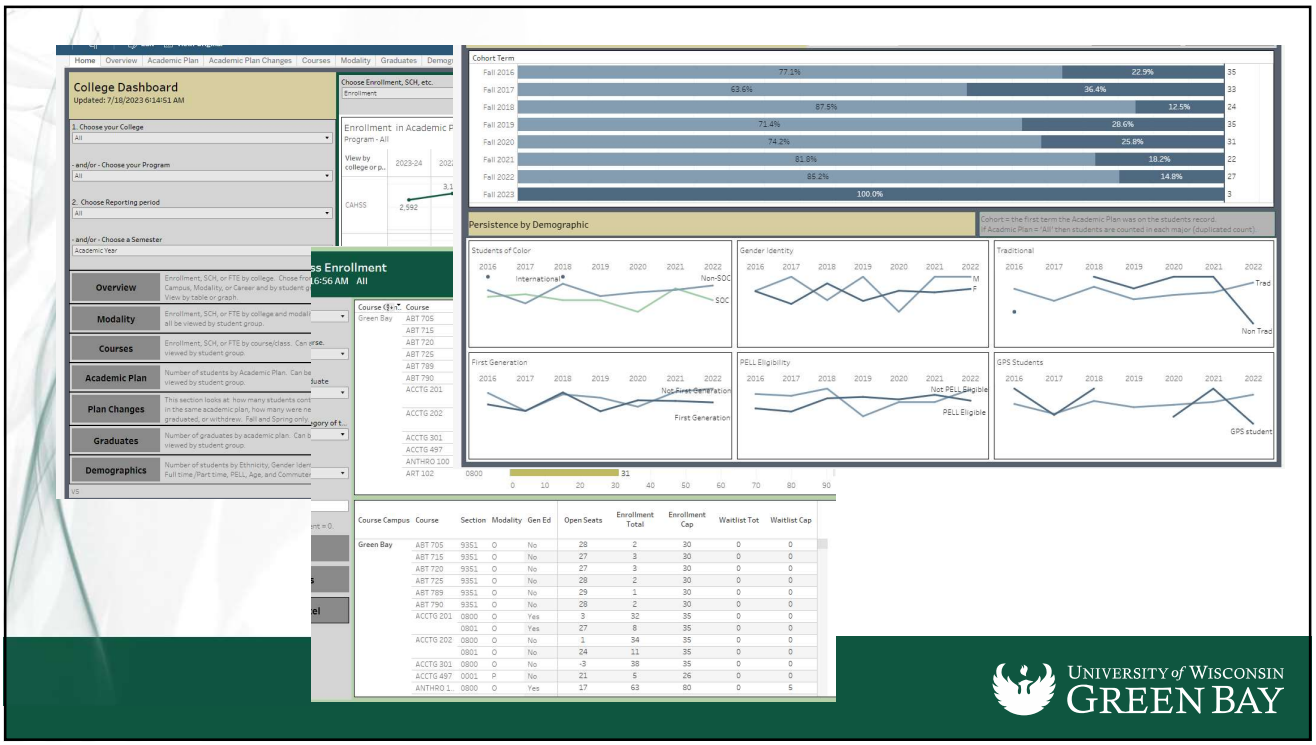
College Dashboard
Updated: 7/18/2023 6:14:51 AM
Overview
Modality
Courses
Academic Plan
Plan Changes
Graduates
Demographics
Cohort Term
Persistence by Demographic
Students of Color
Gender Identity
Traditional
First Generation
PELL Eligibility
GPS Students
Course Campus Course Section Modality Gen Ed Open Seats Enrollment Total Enrollment Cap Waitlist Tot Waitlist Cap
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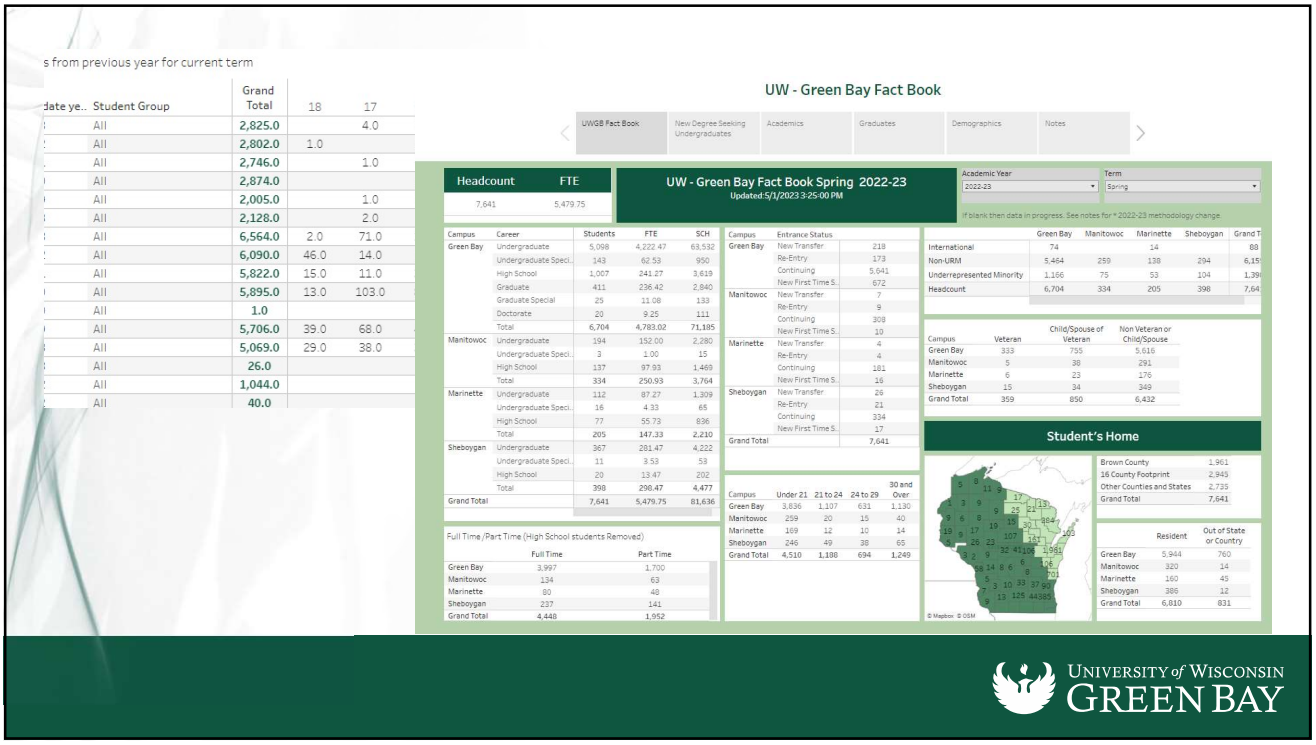
s from previous year for current term
Grand Total
Student Group
UW - Green Bay Fact Book
Headcount
FTE
7,641
5,479.75
UW - Green Bay Fact Book Spring 2022-23
Updated:5/1/2023 3:25:00 PM
Student's Home
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QUERY

- 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

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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.

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QUESTIONS

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