DATA EXPLORATION SERIES
Data Exploration Series:
Focus on the CSW - Class Enrollment
Detail Subject Area
Agenda & Presenters

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Architect, Academic Data

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Program Manager

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Data Analyst

- Introduction
- CSW - Class Enrollment Detail background
- Dashboard tours
- Q&A
UAIR is committed to providing data that empowers campus decision makers, informs policy and practice, and tells the Arizona story.

Our Services

- Enterprise Data Warehouse
- UAccess Analytics & Reporting
- External Reporting & Rankings
- Interactive Fact Book
- Customer Experience & Support
- Data Science
- System Management
UAIR Data Path

Follow the data lifecycle and how our teams deliver it to you

Source Systems
- UAccess | Employee
- UAccess | Financials
- UAccess | Research
- UAccess | Student
- Additional Sources

Data Intake
ETL/ELT Process
1. Extract
2. Transform
3. Aggregate
4. Load
5. Validate

IBM IBM Datastage

Enterprise Data Warehouse
Subject Areas/Data Models
- Data
- Data
- Data

Data Warehouse (Oracle 19c)

Data Lake (AWS Lake Formation)

UAIR Services
- Analytics & Reporting
- Data Science
- External Reporting
- Training & Data Literacy

Data Governance, Management, and Security

UAIR Teams
- Administrative Data
- Customer Experience & Support
- Data Engineering
- Institutional Reporting
- Student Data
- Systems Architecture & Security

Data Analysts, BI Developers, Communication Professionals, Data Engineers, Developers, and more bringing this data to you

Ravneet Chadha
Associate Vice President & Chief Data Officer
WHO’S HERE

167 Registered attendees

54% Have never attended a DES

55% Responded as comfortable with UAccess Analytics
<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>What data is included in this subject area?</td>
<td>Anything and everything related to student enrollment, success, and retention.</td>
</tr>
<tr>
<td>How do I find cohorts?</td>
<td></td>
</tr>
<tr>
<td>Is there new information in the Class Enrollment area?</td>
<td></td>
</tr>
<tr>
<td>Is there a dashboard or filter where we can easily identify all combined sections for the one course offering?</td>
<td></td>
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<tr>
<td>What do these reports do?</td>
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CSW – CLASS ENROLLMENT DETAIL HIGHLIGHTS

- All courses and class sections are included
- Ability to go further in depth than before (make sure to use filters)
- Includes information for enrolled, dropped, and withdrawn students
- Simplified structure resulting in easier to understand attributes
CLASS ENROLLMENT BACKGROUND
WHY BUILD THIS SUBJECT AREA?

- We have been able to combine multiple subject areas
  - Increased functionality
- Unique Structure
  - Must consider the level of reporting you are doing for your report
    - Are you looking for class level data?
    - Are you looking for student level data?
# HOW DETAILED?

## Level of Granularity

<table>
<thead>
<tr>
<th>Term</th>
<th>Course</th>
<th>Class</th>
<th>Instructor</th>
<th>Meeting Pattern</th>
<th>Student Enrollments</th>
<th>Class Level Flag</th>
<th>Instructor Flag</th>
</tr>
</thead>
<tbody>
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<td>Class 1</td>
<td>Instructor 1</td>
<td>Meeting 1</td>
<td>Student 1</td>
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<td>Class 1</td>
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<td>Meeting 2</td>
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THINGS TO KNOW

- Student Credit Hours (SCH)
  - CSW - Class Enrollment Detail subject area SCH vs AIB subject area SCH
- DEW Reporting
  - Expanded usage
- Class Section & Instructor dashboard pages
DASHBOARD TOUR
CLASS ENROLLMENT DASHBOARD

Path to dashboard in analytics:
Go to Dashboards > Student > Class Enrollment
The updated dashboard provides more streamlined information and improved functionality (fixed things like view display errors).
CLASS AND GRADE ROSTER
BY SECTION

- Provides a comprehensive overview of class enrollment including student headcounts and class rosters.
- Access this page if you're looking for information on:
  - Number of students enrolled in a class
  - A list of all students enrolled in a class
  - A list of academic plans for students enrolled in a class
  - Student enrollment status (whether they dropped or withdrew)
  - A list of grades students received in a class
CLASS AND GRADE ROSTER
BY INSTRUCTOR

- Similar to Class and Grade Roster by Section but focuses on individual instructors and enrollment information for the classes they teach.
- Access this page for:
  - A breakdown of student headcounts
  - Class rosters for an instructor
  - More accurate headcounts for instructor than Class and Grade Roster due to changes in distribution counts
GRO

- Provides a list of students who are using a Grade Replacement Opportunity (GRO) by term.
- There are various filters available to help you narrow down the data you need based on details like college, department, subject, student group etc.
- Helps determine GRO eligibility criteria: click on the link that's available in the Student ID column to see a history of all classes a student has taken. The report will show you the repeat code.
GRADE AND UNIT SUMMARY
BY SECTION

- Provides aggregated information on grades awarded for courses and class sections.
- There are several table views available with data broken down by:
  - Grade and Unit Summary (overall)
  - Grade and Unit Summary by Campus
  - Grade and Unit Summary by Class Section
  - Class GPA by Campus
  - Class Section GPA
GRADE AND UNIT SUMMARY
BY INSTRUCTOR

- Similar to Grade and Unit Summary by Instructor but focuses on individual instructors and grades awarded for the classes they teach.

- Table views available with data broken down by:
  - Grade and Unit Summary (overall)
  - Grade and Unit Summary by Campus
  - Grade and Unit Summary by Class Section
  - Class GPA by Campus
  - Class Section GPA
DEW RATES
BY SECTION

- Provides an overview of DEW rates for classes broken down by counts and percentages.
- DEW rates are the percentage of students who earn a grade of D, E, or withdrawal for a given course.
DEW RATES
BY INSTRUCTOR

- Similar to DEW Rates by Section but focuses on individual instructors and the DEW rates for their assigned class sections.
- DEW rates are the percentage of students who earn a grade of D, E, or withdrawal for a given course.
ENROLLED STUDENTS AND CREDIT HOURS

BY SECTION

- Provides aggregated counts to track student enrollment and student credit hours for a given class.
- Shows trends from the last 5 years.
- Defaults to enrollment section class types.
- Data can be viewed by section, college, and excluding withdrawal counts.
ENROLLED STUDENTS AND CREDIT HOURS
BY INSTRUCTOR

- Similar to Enrolled Students and Credit Hours by Section but focuses on individual instructors and the counts for their enrolled students and credit hours.
- The student credit hour (SCH) distribution model in this page is different than the AIB SCH model. All instructors in a course are given credit (all enrollment is being weighted out to each instructor).
CATALOG AND SCHEDULE DASHBOARD

Welcome to the Catalog and Schedule Dashboard! This dashboard assists colleges and departments with course and schedule management.

We Want to Hear From You
Do you have a question about this dashboard or any suggestions for improvements? Contact UAIR at:
- Website: https://air.arizona.edu/
- Email: air-student-safety@list.arizona.edu
- Phone: (520) 821-3030
- Feedback Forum: UAaccess Community

Additional Links
- Room & Course Scheduling
- F.I.R.S.T. Training
- UAaccess Applicant Access Provisioning
- UAaccess Community / UAaccess Analytics Forum

On Demand Reports
- Available Requirement Groups
- Printable Course Descriptions by Department
- Printable Course Descriptions for All Subjects
- Catalog by Subject, Calif. HR, Org., & Career

Path to dashboard in analytics:
Go to Dashboards > Student > Catalog and Schedule
Various reports were also updated in the Catalog and Schedule dashboard with the new subject area and UAIR design system.

Pages using CSW – Enrollment Detail include:
- Fall Summary
- Gen Ed Classes
- Courses by College
- Faculty Load
- Instructor Availability
WHAT’S COMING?
- Combined Section IDs
- Composite Sections
- Point in time comparison
QUESTIONS?
TRAINING & DATA LITERACY

- Interactive trainings in EDGE Learning
- YouTube playlists
- Data Exploration Series highlighting important services
- One-on-one office hours
- External newsletter
- Student Data Key Concepts
THANK YOU