

Presenters

Dr. Michael Smith
Director, Institutional Research &
Analytics



Carlene Jackson

Assistant Director of Institutional Reporting





University Profile

Characteristics	Fall 2024 Student Figures		
Public R2	Enrollment: 18,848 81% Undergraduate 19% Graduate		
Research Productivity: \$24M	Admit Rate: 64.2%		
Faculty: 778	Cohort Retention Rate: 88.1%		
Student to Faculty Ratio: 17:1	':1 4-Year Graduation Rate: 65.1%		





Overview

- Background
- EDW Structure
- Roadmap
- Key Takeaways
- Stakeholder Feedback
- Key Challenges
- Next Steps



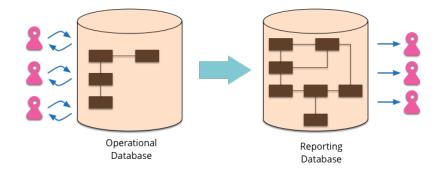
Institutional Data Background Context

- Decentralized, siloed talent
- Reliance on operational data/reports
- Emerging Data Governance practices
- Low data literacy
- No official data strategy
- Point-to-Point Integrations



Institution's Data Landscape

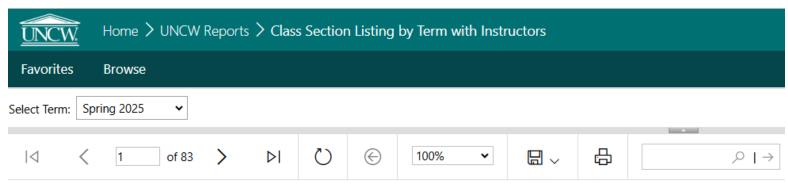
- Primary focus: Operational Data and Reporting
- Initial implementation with Cognos Reporting Tool
 - Using custom catalogs for operational reporting needs.
- Implemented Banner Operational Data Store (ODS)
 - Including Fund-Org Security
 - Developed Custom Operational Data Store views
- Migrated to Microsoft SQL Server Reporting Services





Institution's Data Landscape

- Microsoft SSRS Web platform for operational reporting.
- Limited development of complex reporting using charts.

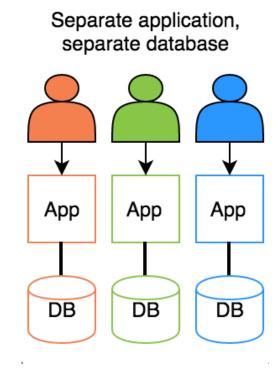


Class Section Listing by Term with Instructor - 202520 - Spring 2025

Course	CRN	Part of Term	Dept Code	Dept Desc	Primary Instructor Name	Inst
ACG 201 001	23146	F	ABL	Accountancy & Business Law	Hermanson, Susan	8500
ACG 201 002	23147	F	ABL	Accountancy & Business Law	Ivancevich, Daniel	8500
ACG 201 003	23148	F	ABL	Accountancy & Business Law	Kerler, William	850:
ACG 201 004	23149	F	ABL	Accountancy & Business Law	Kaszak, Steven	850!
ACG 201 005	23150	F	ABL	Accountancy & Business Law	Mungai, Ann	850

Institution's Data Challenges

- Desire to develop models with other operational data.
 - Housing (Mercury)
 - LMS (Canvas)
 - Advising Engagement (Starfish)
- Limited staffing to develop a true data warehouse.
- No capacity to snapshot operational data for analysis.
- Siloed analytics development for planning and assessment.





Roadmap Overview

Leading up to 2023

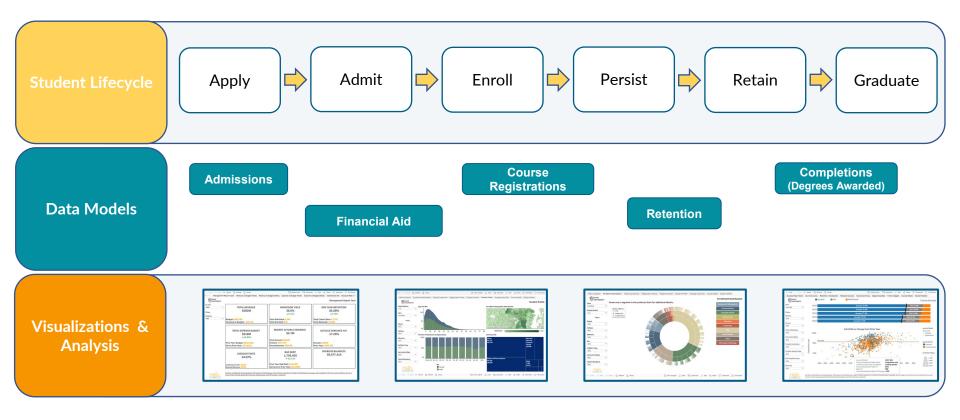
Data Executive Institutional Data Strategic Plan **Explore** Management **Talent Sponsorship** Governance Working Vendors **Priority** Formalization and Charges Review Group

July 2023 - Present



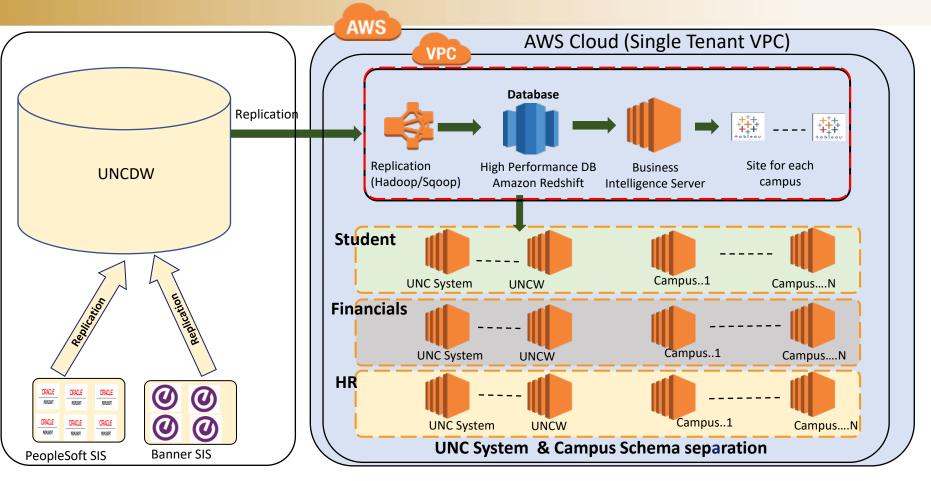


HelioCampus Student Lifecycle Data Models





HelioCampus Student Lifecycle Architecture

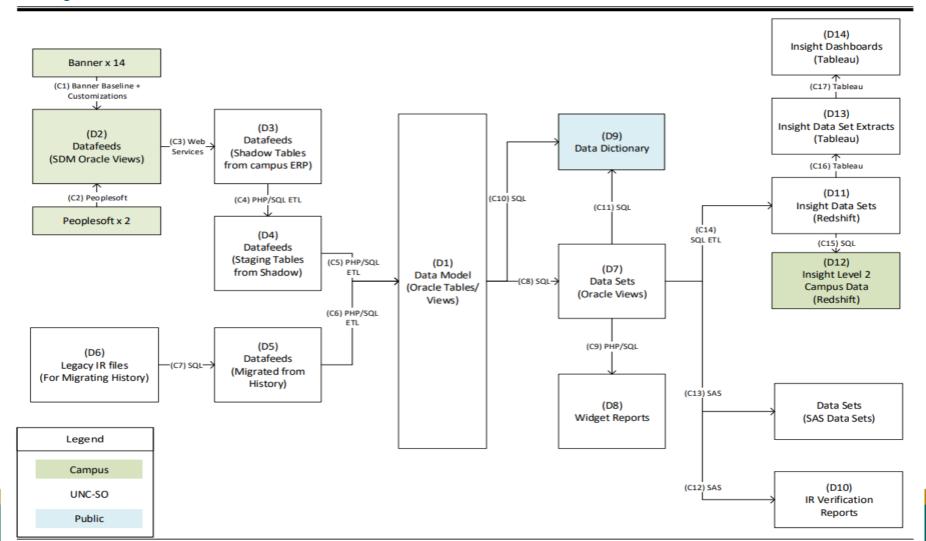




Data Extraction, Transformation, & Loading



Documentation Contents Diagram



Centralized Portal





Roadmap: Institutional Spotlights

Strategic Plan Priority

Executive
Sponsorship &
Charges

Data
Management
Working Group



Key Takeaways

A flexible, modern data ecosystem is possible! Nurture a vision and harness the power of a crossfunctional team.

People

Infrastructure

Process

Culture



Stakeholder Feedback Themes

Level of Involvement

- Moderate to Low Involvement
- Active participation

Biggest Successes

- Streamlining Processes
- Identifying and correcting data errors
- Improved data review practices



Stakeholder Feedback Themes

Biggest Challenges

- Balancing competing priorities
- Navigating inconsistent/unstructured data
- Time constraints for cross-functional meetings

Opportunities for Growth

- Data literacy and education
- Expanding data access and integration
- Process Standardization



Stakeholder Feedback Themes

Room for Improvement

- Consistency in data definitions and practices
- Continued data management workflow streamlining
- Communication/Collaboration
- Access/Permissions



Challenges



- Data Visualization
- Data Security (user assignment to roles)
- User Training (conduction)
- Calculations
- Business Rules
- Data Modelling
- Data Transformation
- Data Cleaning
- Data Access
- Acceptance Testing
- Data Security (roles)
- User Training (preparation) •

- · Report Purpose Questions
- Requirements Gathering
- User Workshops
- Mock-ups
- Language Requirements
- Time Zone Requirements
- Data Latency/Refresh
- Infrastructure
- Deployment

* Note: the items included in the "underwater" section are common examples only and are presented in no particular order; their inclusion/exclusion and relative priority will vary by organization/project

Next Steps

- Communication Plan
- Training Roadmapping
 - FERPA/Responsible Use
 - User Workshops
 - Data Literacy
- Enhancement prioritization



Questions?

