



# Data Warehouse Training: Student Reporting Basics

Eddie Lee, Functional Area Coordinator

# About Me

Eddie Lee

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Functional Area Coordinator – Student Data

## Decision Support - AITS

Contact Us: [dsuss@uillinois.edu](mailto:dsuss@uillinois.edu)

Website: [https://www.ait.s.uillinois.edu/services/reports\\_and\\_data](https://www.ait.s.uillinois.edu/services/reports_and_data)

# Agenda

- Overview of the Subject Areas
- Security on the Data
- Universes & Report Writing Tips

## Common Phrases

- Enterprise Data Warehouse
- Business Intelligence
- Web Intelligence vs. EDDIE

# Categories

Recruiting & Admissions

Pre-Registration & Registration

Academic Records

Course Catalog & Schedule

# Security

CAMPUS | COLLEGE | DEPARTMENT

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# Subject Areas

Recruiting & Admissions

Pre-Registration & Registration

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# Security

CAMPUS

|

COLLEGE

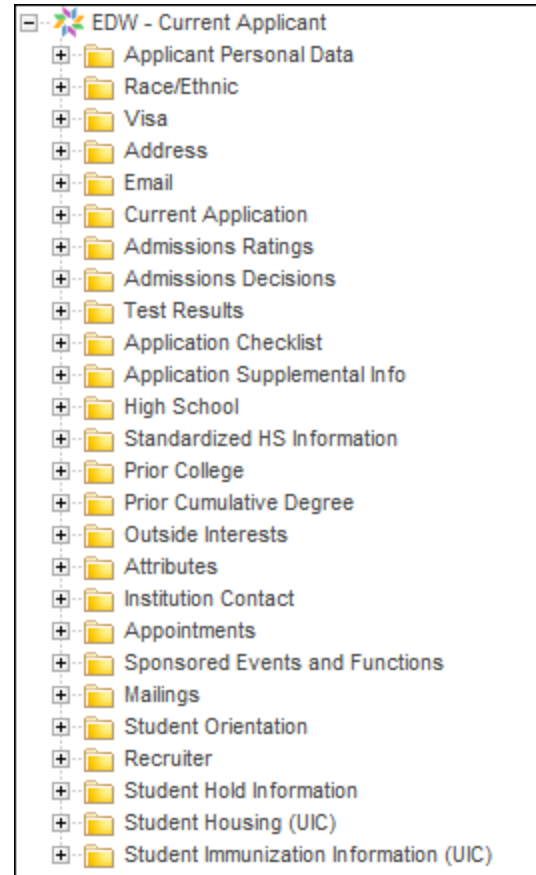
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# EDW – Current Applicant

- **Applicant Personal Data**  
UIN, NetID, name, citizenship
- **Race/Ethnic**  
race ethnic codes & indicators
- **Address**  
address, type, telephone
- **Email**  
email, type, preferred indicator
- **Current Application**  
term, status, student type, college, degree, program
- **Admissions Decisions**  
decision code, decision date
- **Test Results**  
test, score, max ACT, max SAT
- **High School**  
HS name, HS address, HS GPA
- **Prior College**  
prior college, prior degree, prior major



# Report Writing Tips

- **Always** use a Term Code (120148, 220151, 421058)
- Latest Decisions Only Filter
- Accept Decisions Only Filter
- Student Level Code (1G, 2P, 4U)
- Be aware of multiple types or values (Email, Phone, Address, GPAs, etc)
- **Always** include the Person Confidentiality Indicator for FERPA restrictions.

# Subject Areas

Recruiting & Admissions

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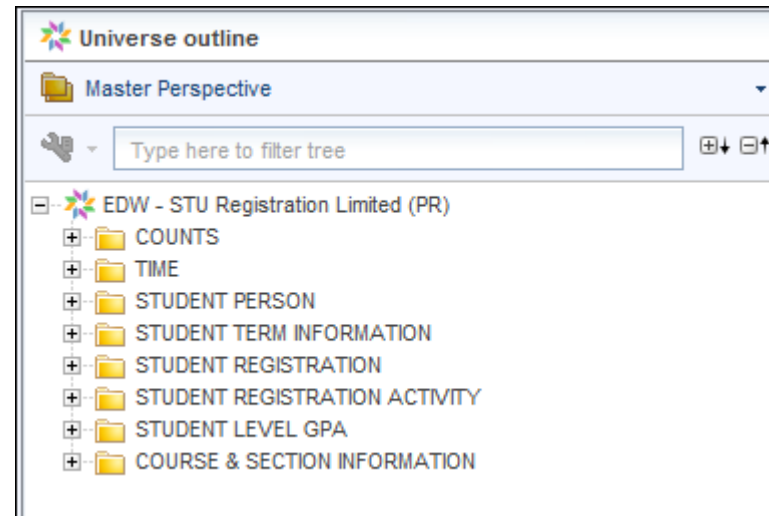
# Universes

Student person and registration information

- Registration Complete
  - Registration Limited
  - Registration Directory
  - Registration Census (snapshots)
- More
- Less
- 

# EDW - STU Registration Limited

- **Counts**  
simple counts, person head count
- **Time**  
term code, part of term code
- **Student Person**  
UIN, name, email, address, race/ethnicity, gender
- **Student Term Information**  
student type, curriculum, hold, attributes
- **Student Registration**  
drop/delete/registered, status, level code
- **Student Registration Activity**  
archive/history of registration activity
- **Student Level GPA**  
cumulative gpa
- **Course & Section Information**  
course subject, course number, section number, instructor



# Report Writing Tips

- **Always** use a Term Code (120148, 220151, 421058 | Registration Census Code)
- Drop Delete/Registered Indicator = Registered
- Student Registration Indicator = Y (enrollment)
- Primary Instructor Indicator = Y
- Student Level Code (1G, 2P, 4U)
- Be aware of multiple types or values (Email, Phone, Address, GPAs, etc)
- There is typically a description or name associated with codes.
- **Always** include the Person Confidentiality Indicator for FERPA restrictions.

# Subject Areas

Recruiting & Admissions

Pre-Registration & Registration

Academic Records

Course Catalog & Schedule

# Security

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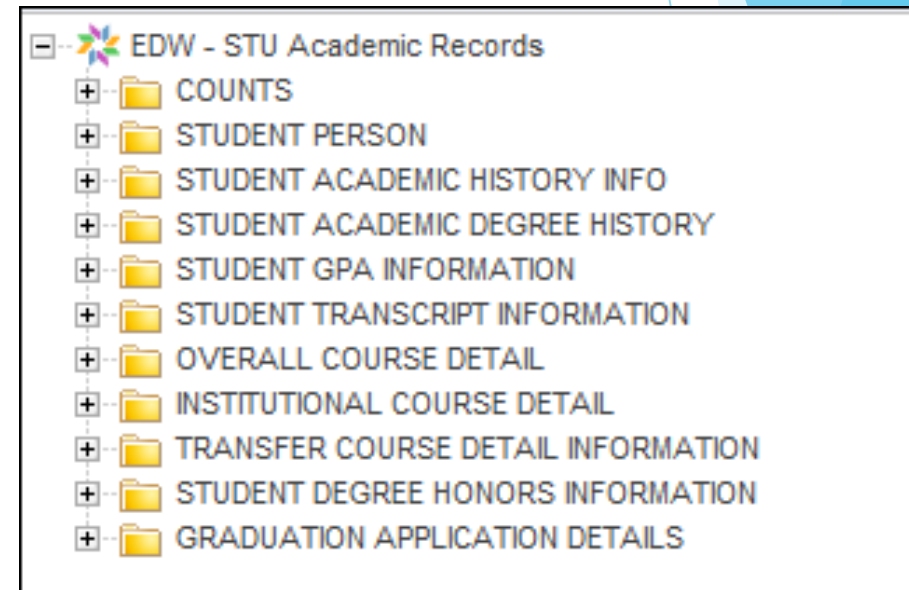
# Universes

Student person and academic history information

- Academic Records (most commonly used)
- Records Directory (basic degree information)

# EDW - STU Academic Records

- **Counts**  
simple counts, person head count
- **Student Person**  
UIN, name, email, address, race/ethnicity, gender
- **Student Academic History Info**  
AH term code, academic standing, dean's list, attributes
- **Student Academic Degree History**  
degree code, degree status code, graduation term code
- **Student GPA Information**  
Level GPA, Term GPA, Degree GPA
- **Student Transcript Information**  
level and term transcript comments
- **Overall, Institutional and Transfer Course Info**  
course subject, course number, section number, instructor
- **Student Degree Honors Information**  
degree honor code, degree honor type
- **Graduation Application Details**  
graduation status, grad application term code



# Report Writing Tips

- Overall Course Detail vs. Institutional Course Detail vs. Transfer Course Detail
- Overall Course Detail (includes institutional, transfer, and test based):
  - Do NOT combine with Institutional and Transfer course work
  - 10 years of course work history
- Term Codes:
  - AH Term Code (for term information; most commonly used)
  - Overall Course Detail Term Code (only used with Overall Course Detail Info)
  - Graduation Term Code
  - Term GPA Term Code
- Degree Status Code = 'AW' (for awarded degrees)
- Be aware of multiple types or values (Email, Phone, Address, GPAs, etc)
- **Always** include the Person Confidentiality Indicator for FERPA restrictions.

# Subject Areas

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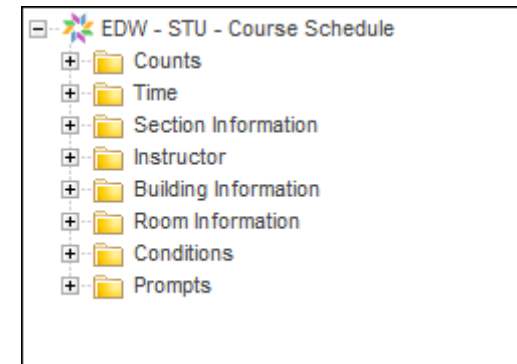
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# EDW - STU – Course Schedule

- **Counts**  
simple counts, distinct counts
- **Time**  
term, part of term
- **Section Information**  
CRN, course ID, course subject, course number, enrollment
- **Instructor**  
name, email, UIN, assignments
- **Building Information**  
building code/name, address
- **Room Information**  
room number, type, capacity, attributes
- **Conditions**  
current section enrollment, active section, exclude independent studies
- **Prompts**  
campus, term, course subject/number, section number



# Report Writing Tips

- Course & Section layers
- ID's can roll over (Course ID, CRN, etc)
- Current Section Enrollment filter
- Active Section filter
- Exclude Independent Studies filter
- Be aware of multiple types or values (email, etc)

# Decision Support – AITS Resources

- ▶ **AITs Reporting Website:**

[https://www.ait.s.uillinois.edu/services/reports\\_and\\_data](https://www.ait.s.uillinois.edu/services/reports_and_data)

- ▶ **Additional Training:**

[https://www.ait.s.uillinois.edu/services/reports\\_and\\_data/help\\_and\\_training/training/](https://www.ait.s.uillinois.edu/services/reports_and_data/help_and_training/training/)

- ▶ **Metadata (including Universe Information and Solution Library):**

[https://www.ait.s.uillinois.edu/services/reports\\_and\\_data/about\\_data/metadata/](https://www.ait.s.uillinois.edu/services/reports_and_data/about_data/metadata/)

- ▶ **Answers:**

<https://answers.uillinois.edu/ua/>

# Data Resources Available

- ▶ **Universe Information:**

[https://www.ait.s.uillinois.edu/services/reports\\_and\\_data/about\\_data/metadata/metadata\\_for\\_business\\_objects\\_users/universe\\_information](https://www.ait.s.uillinois.edu/services/reports_and_data/about_data/metadata/metadata_for_business_objects_users/universe_information)

- ▶ **Solution Library Reports:**

[https://www.ait.s.uillinois.edu/services/reports\\_and\\_data/reports/solution\\_library/student](https://www.ait.s.uillinois.edu/services/reports_and_data/reports/solution_library/student)

- ▶ **Data models:**

[https://www.ait.s.uillinois.edu/services/reports\\_and\\_data/about\\_data/metadata/metadata\\_for\\_data\\_downloaders/data\\_models](https://www.ait.s.uillinois.edu/services/reports_and_data/about_data/metadata/metadata_for_data_downloaders/data_models)