Data to the People:Facilitating Data Usage Throughout the Institution

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Outline

- Introductions
- What are Reporting Tables?
- Reporting Tables Schema
- Description of Tables
- Query Training Overview
- Demonstration

University of Houston

- Flagship University of UH System
- 15 colleges
- 116 bachelors, 112 masters, 49 doctoral, and 4 professional programs

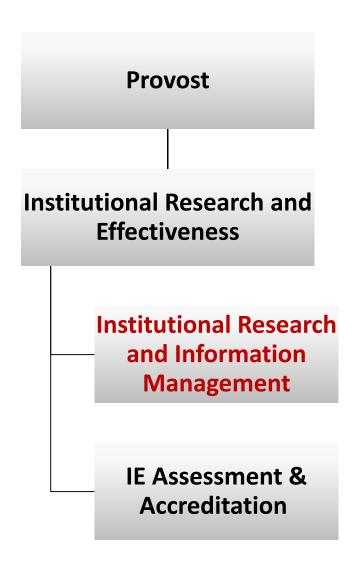
- 46,676 students
- 11,156 degrees awarded annually
- PeopleSoft School
- #1 NCAA Basketball Team

Go Coogs!!



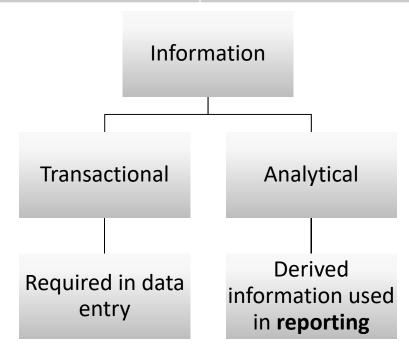
Institutional Research

- www.uh.edu/ir
- 5 staff members
- 3 research assistants



Transactional vs. Reporting Systems

Transactional System	Reporting System
Designed to run your business	Designed to manage your business
Modeled for data entry	Modeled for data analysis and dissemination
Data is constantly changing	Data reflects snapshots/points in time



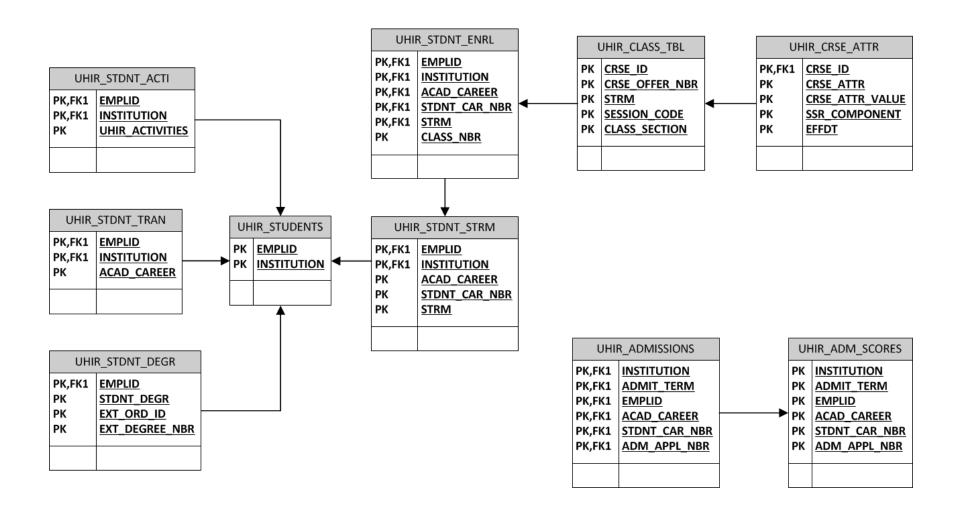
The Need for Reporting Tables

- Limiting data access historically
- Data access...
 - Opportunity to change how we make data available
 - Consolidate data from many tables into about a dozen tables
 - Facilitate development of queries

Reporting Table Logistics

- Refreshed daily overnight
- Roughly four hours to load
- Table purged and reloaded for the term being processed
- Key fields aid in query building

Reporting Tables Schema



Tables & Descriptions

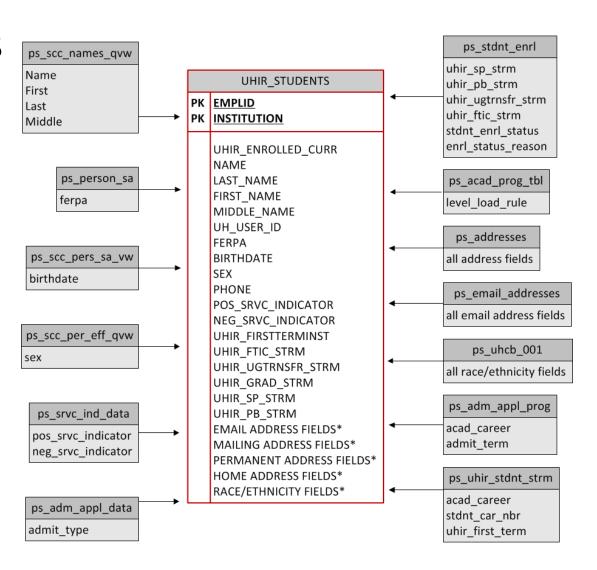
Table Name	Description
UHIR_STUDENTS	Current demographic information for students. One record per student, per institution.
UHIR_STDNT_STRM	Term-specific information for students that have been enrolled in at least one class for that term.
UHIR_STDNT_ENRL	Class enrollment data by term.
UHIR_STDNT_DEGR	Degree information.
UHIR_STDNT_TRAN	Transfer information.
UHIR_STDNT_ACTI	Combination of student attributes, extra-curricular, student activity and student group data.
UHIR_CLASS_TBL	Data related to classes offered.
UHIR_ADMISSIONS	Admission application data.
UHIR_ADM_SCORES	Admission test score information.

Tables & Descriptions (cont'd)

Table Name	Description
UHS_STDNT_LOC	Identifies the locations of all of the classes in which a student is enrolled.
UHM_ADM_FTICPOP	Key information about admitted FTICs and where they are in the onboarding process.
UHM_FTIC_COHDAT	Tracks members of FTIC cohorts as they progress through the university.
UHM_UGRD_COHORT	Identifies new undergraduate students each semester; includes FTIC/transfer and degree-seeking status.
UHIR_HOUSING	Student data from the housing system from application to booking.

Source Tables for UHIR_STUDENTS

- 13 source tables
- 71 fields
 - 62 fields pulled
 - 9 derived fields



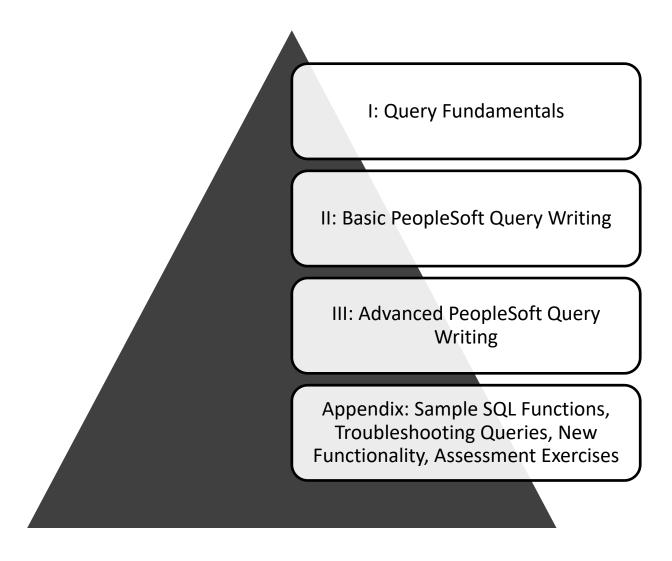
Use of Reporting Tables

- Institutional Research
 - Survey Reporting
 - Data Requests
 - GPA, Hours information
 - Enrolled students contact information
 - Profile of admitted students: Top 10, Test Scores
- Colleges/Departments/Administration
 - Class Enrollment data for students
 - International Applicants: Country/State/City
 - Veteran students, Students with FERPA flag
 - Class Locations of enrolled students

Query Training

- Class Length
 - Fifteen hours
 - 5 consecutive days, 3 hours per day
- Participants
 - Signup for training
 - Users wanting access to be able to write queries in the PeopleSoft student module
- Frequency
 - 3 times a year (spring, summer, fall)
- Uses Training Database
- Partner with Campus Solutions IT

Query Training Outline



Query Training Topics

- Overview of UHIR Reporting Tables
- Query Writing
 - Effective Date Logic
 - Query Methodology
 - Joins/Functions/Expressions
- Assessment Exercises

Query Training Assessment

- Background
 - Goal: grant access to query production data
 - Needed to ensure that users understood how to accurately query data
- Format
 - 2 exercises; 1 beginner, 1 advanced
- Grading
 - Correct tables/fields
 - Joins, Criteria
 - Output formatting
 - Expressions, functions, aggregation, etc.
 - Expected number of records returned

Example Assessment Exercise

Provide a list that displays the EMPLID and CUM_GPA for all students enrolled at the end of the term during Fall 2009 at UH if the student had a cumulative GPA of at least 3.0. If the student belonged to the Honors (R003) activity type, provide that additional information in a column (UHIR_ACTIVITY_TYPE). Also add a calculated column that combines the student's current Academic Standing code with their primary plan (with a dash in between), i.e. 'E-TELSBS'; the title of the column should be "Standing and Plan". The institution should be a run-time variable that defaults to value '00730', having a lookup against master table 'INSTITUTION_TBL' and having custom heading text that says "Enter the institution". Sort the data by activity type, then by student ID.

Tip: You should receive 18,144 rows of data.

PeopleSoft Campus Solutions Security Form

- Online form after passing assessment
- Select Query Create access
- IR queue for approval

Query Tool Demonstration



Thank you!!

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✓ Records			Query Manager
Query Manager			
Enter any information you have and click Search. Lear Find an Existing Query 0		of all values.	
Query Name	begins with 🔻	UHIR	
Description	begins with 🗸		
Uses Record Name	begins with 🔻		
Uses Field Name	begins with 🔻		
Access Group Name	begins with 🗸		Q
Folder Name	begins with 🔻	UHIR	
Owner	=	•	
When using the IN or BETWEEN operators, enter cor	mma separated values	without quotes. i.e. JOB,EMPLOYEE,JRNL_LN.	
Search Clear	Basic Search		
Search Results			

Check All

Uncheck All

UNIVERSITY of HOUSTON INSTITUTIONAL RESEARCH

*Folder View

*Action

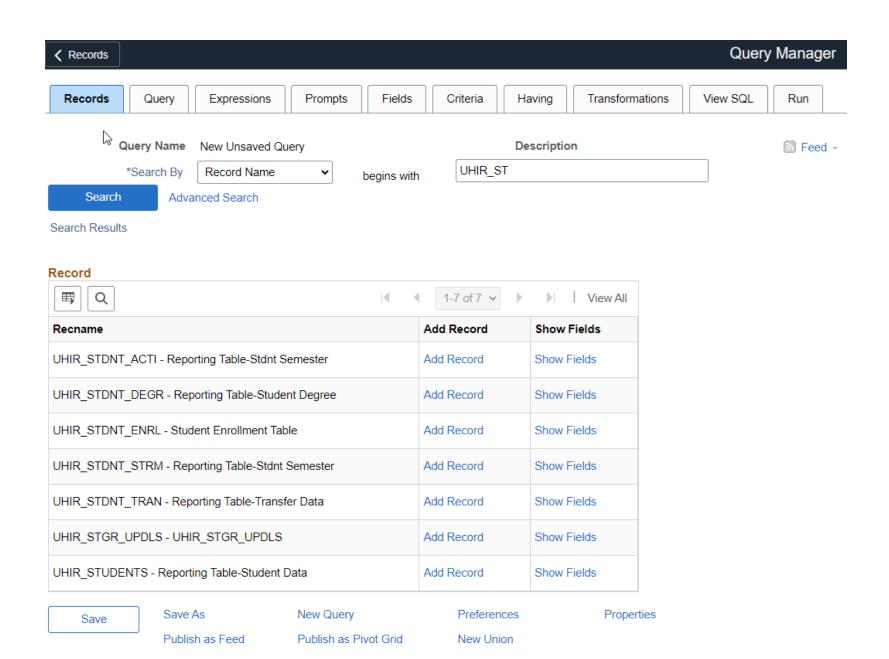
-- All Folders --

Go

-- Choose --

Query

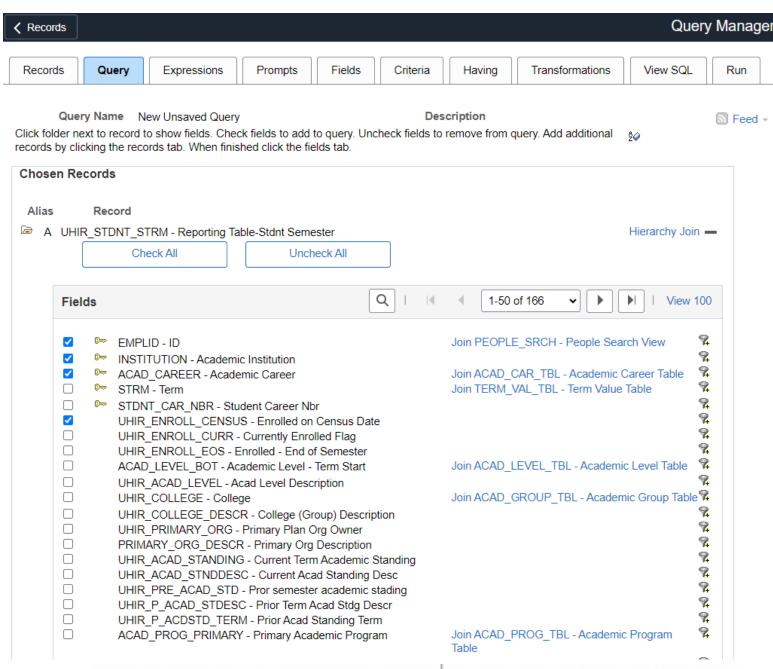




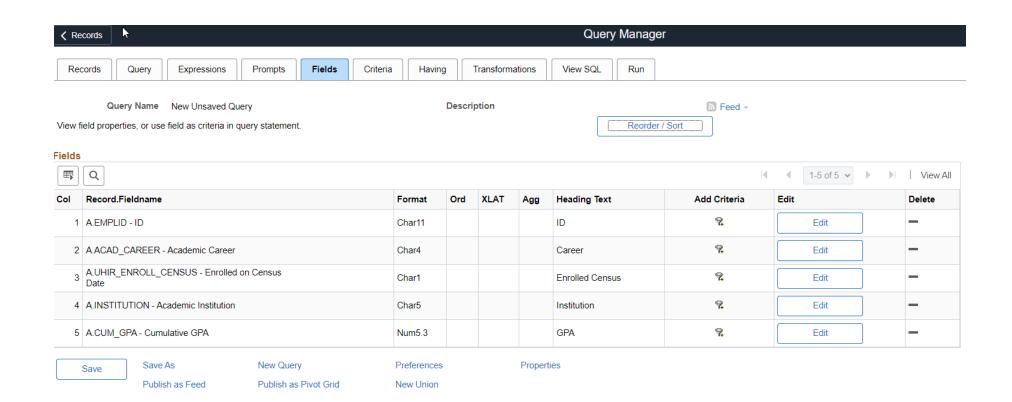
Fields for record UHIR_STDNT_STRM - Reporting Table-Stdnt Semester:

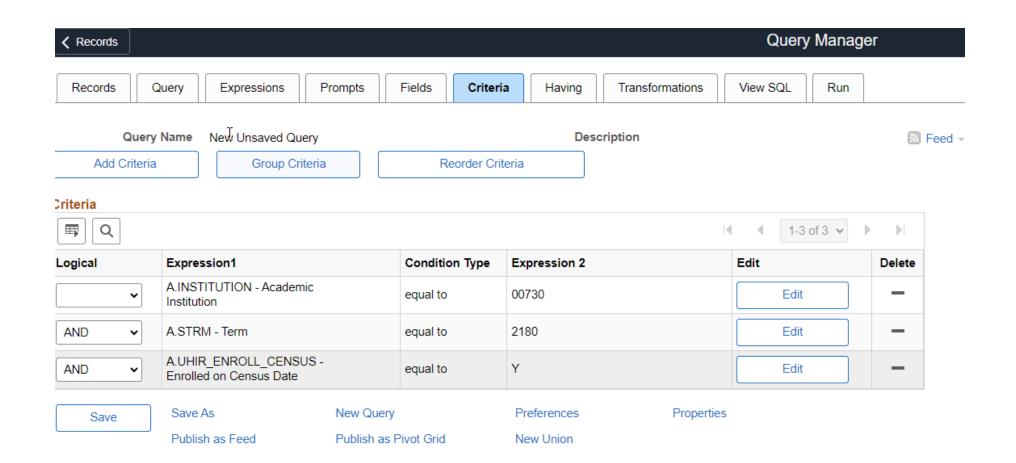
Fieldname

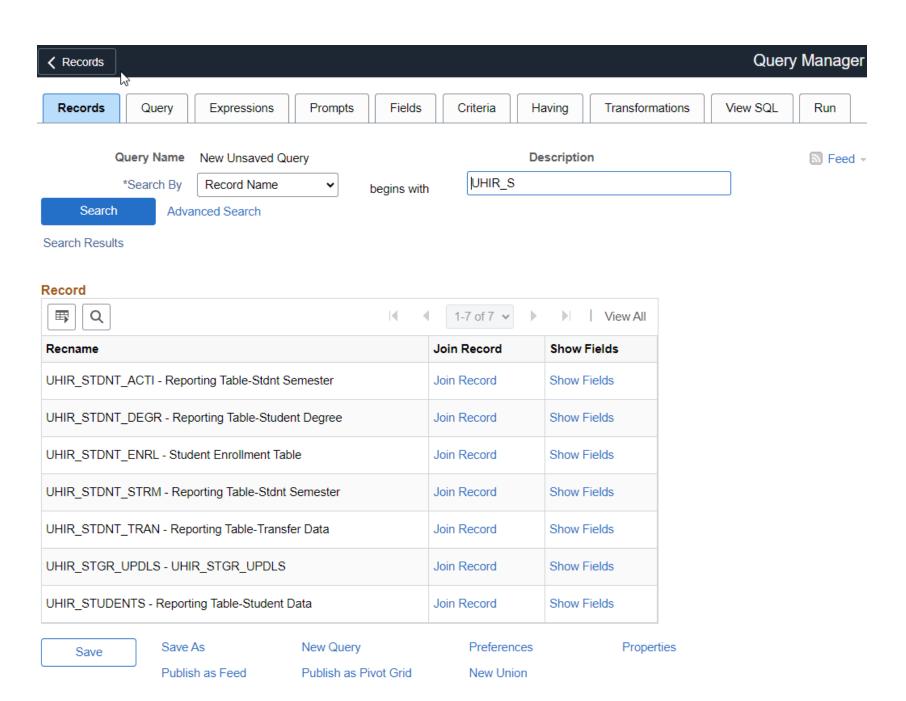




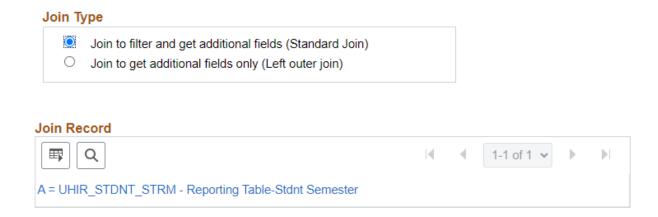
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Select join type and then record to join with UHIR_STUDENTS - Reporting Table-Student Data.

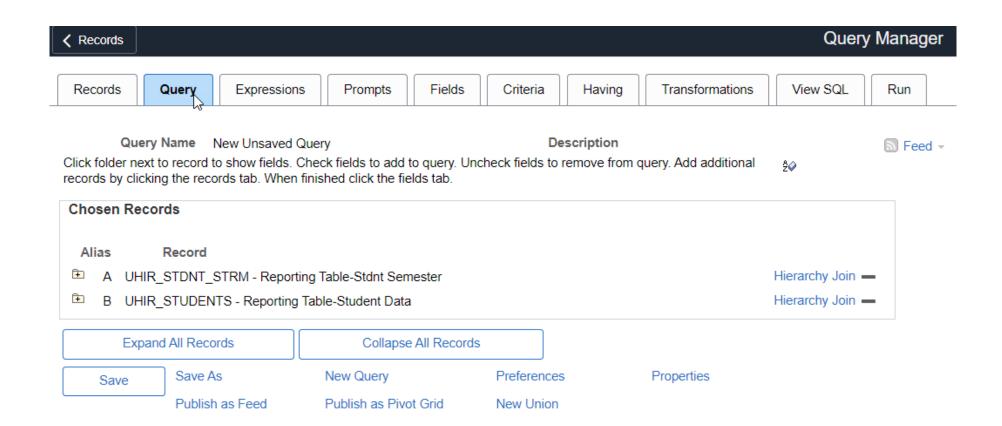


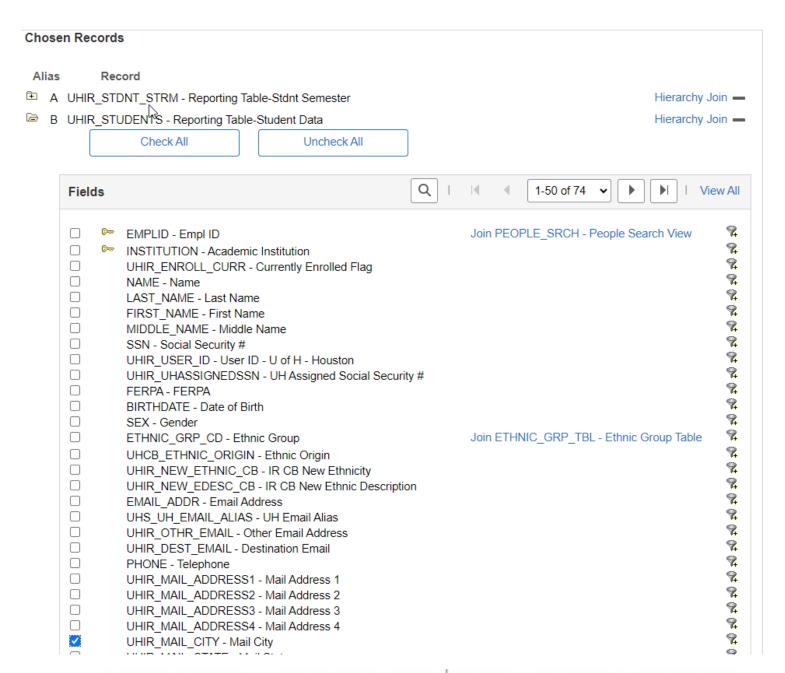
Auto Join Criteria

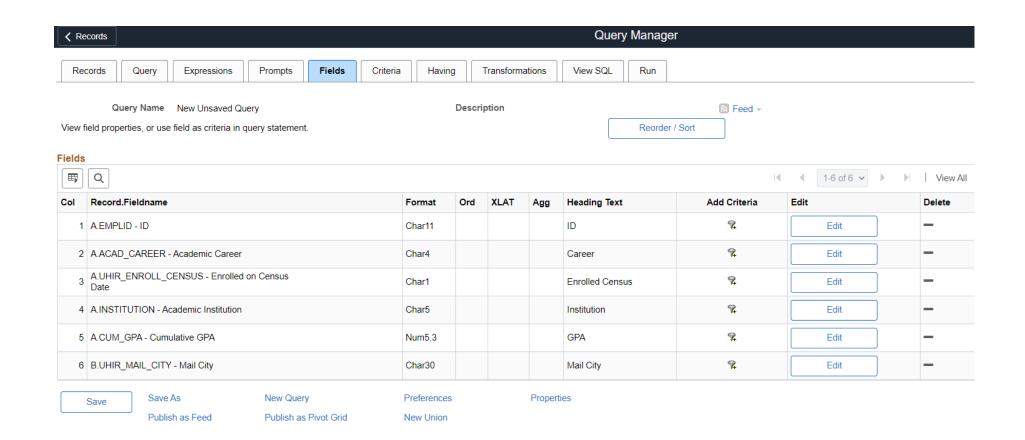
Query has detected the join conditions shown below.

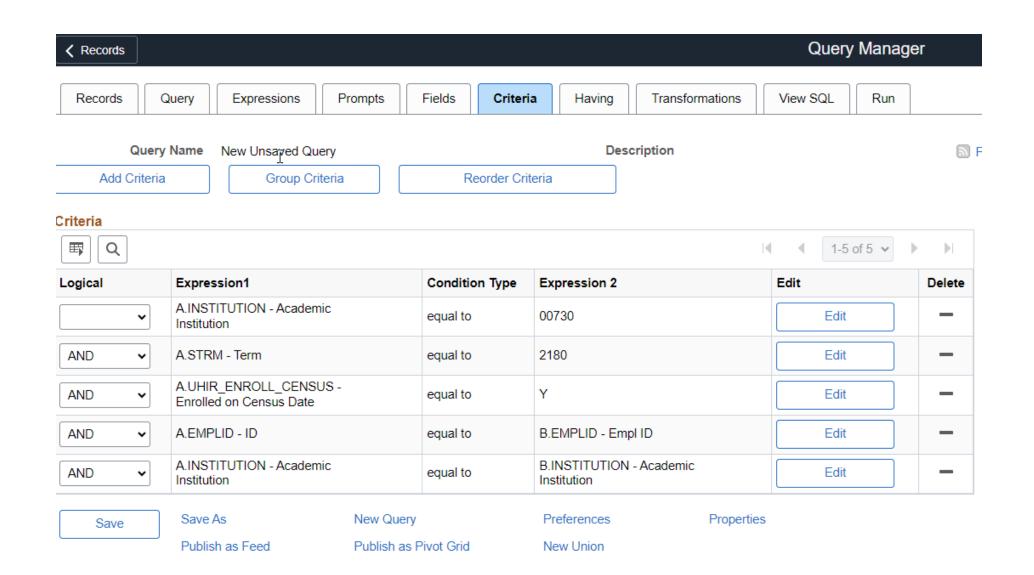
Use the checkboxes to unselect the criteria that you do not want to add to the query and click add criteria when done. The criteria added can always be modified later using the criteria tab.

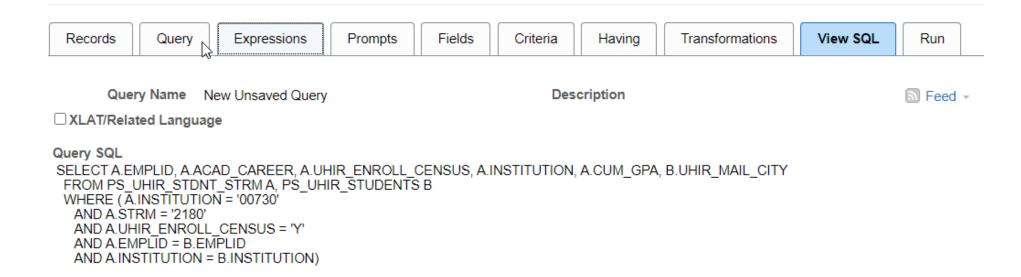






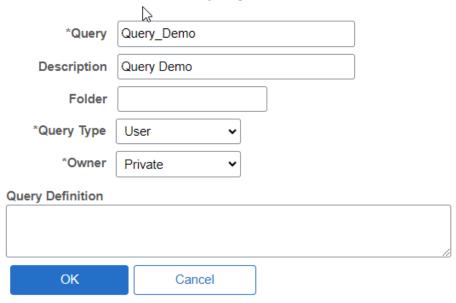








Enter a name to save this query as:



B

View All | Rerun Query | Download to Excel | Download to XML

First 1-100 of 46681 Last

Row	ID	Career	Enrolled Census	Institution	GPA	Mail City
		GRAD	Υ	00730	4.000	Houston
		UGRD	Υ	00730	4.000	Nederland
		UGRD	Υ	00730	3.000	Spring
		UGRD	Υ	00730	0.486	Marble Falls
		UGRD	Υ	00730	1.585	Houston
		UGRD	Υ	00730	1.694	Houston
		UGRD	Υ	00730	3.348	League City
		UGRD	Υ	00730	3.249	Live Oak
Ĭ		UGRD	Υ	00730	2.913	Houston
		UGRD	Υ	00730	2.633	Humble
		UGRD	Υ	00730	3.929	Conroe
		GRAD	Υ	00730	3.636	Sugar Land
		UGRD	Υ	00730	3.107	Spring
		GRAD	Υ	00730	3.746	Houston
		UGRD	Υ	00730	3.653	Houston
		UGRD	Υ	00730	3.334	Stafford
		UGRD	Υ	00730	0.000	Rosenberg
		UGRD	Υ	00730	3.097	Houston
		UGRD	Υ	00730	2.599	Houston