

## Quick Reference Guide

### DM – STU – Registration Analysis Universe and OLAP Cube

#### Universe and OLAP cube Description

The Student Registration Analysis Data Mart and its products are meant to allow users to view registration headcounts at a campus level by student headcount and course to allow users to see “who” is taking their courses without any student detail (i.e. UIN, Name).

In other BI products, college/department access is secured to permit analysis of students whom they are directly related but this product allows users to view registrations and courses at the campus level. These products provide college and department decision makers a way to understand the makeup of students registered in their classes at a campus level and make informed decisions without disclosing student names or other identifiers such as UIN or name.

The benefits of these products are to allow users to save time, reduce the amount of work needed to create enrollment reports and manual intervention to determine who is taking their courses at a summary level. These products allow summary reporting by course, registration headcount, student bio/demographics and curricula.

#### Who should use this Universe/OLAP cube?

- Deans and Department Heads, Assistant/Associate Deans and Department Heads at the College and Departmental Level
- Executive Offices and Program Coordinators at the college and department level

#### What types of questions can I answer in this universe/OLAP cube?

- Are the students currently registered for my courses inside/outside of my college/department? If so, how many and what college/department do those students belong?
- How many LAS – History majors are taking MATH220?
- How many students by gender are taking RHET105?
- How many Graduate students are taking 100-200 level courses?
- By Class what are the headcounts by term, College and Department?

#### Data included in this Universe and OLAP cube

- This universe and OLAP cube include student curricula (i.e. Campus/College/Department/Program/Major/Minor, Student Level, Residency, Status), bio/demographic (i.e. Gender, Race/Ethnicity, Citizenship) and other related student registration information from Banner as well Section and Course information from Banner including but not limited to CRN, Section Number, Course Subject, and Course Number.

#### Report Creation Tips:

- The grain for this data collection is one row per GRADABLE section to prevent double counting students or courses. For example if CHEM-100 has 3 sections (Lecture which is gradable, Lab, and Discussion) only the Lecture is the only section included in this data collection because it is gradable.
- This data collection will be loaded DAILY and contain 5 ‘like’ terms of data. Therefore only 5 years of data will be available which includes the present term and 4 previous years.
- The security for this data collection is at the CAMPUS level.
- This data collection contains NO student/instructor specific details (i.e. Name, UIN, email) therefore no analysis of specific students/instructors can be performed with this product.

- **Section/Course Registrations:** Only GRADABLE sections for a course are included to reduce duplication of registrations.
- **Schedule Type:** All three campuses approved the inclusion of ALL schedule types (i.e. IND, CNF, LAB)
- **Active Sections and Courses:** Only active sections and courses are included in this data collection.
- **Instructor Information:** All three campuses approved the exclusion of Instructor Name from this data collection. For more detail reference Banner.

### Additional Student Registration Analysis data details – Derived Fields:

- Several derived/calculated data fields have been created for ease of reporting:
  - **Counts:** Both products allow for “Registration Counts” and “Student Counts”. This allows users to count by student and by course registrations. Placing both the Registration and Student Counts in the same report or query may cause the data to appear erroneous; therefore, DS recommends not including these counts in the same report or query.
    - **Registration Count** – Counts all course registrations. For example if Student “X” is taking 5 classes for 15 credit hours, the Registration Count for this Student is 5. This counts each course one time per student and term.
    - **Student Count** – Counts only the student. In the above example Student “X” would only be counted as 1 student.
  - **Attributes:** All campuses have selected several attributes to count students
    - Chicago: Veteran, First Generation, President’s Award, LARES, GPPA, Opt B Grad, McNair Scholar
    - Springfield: Veteran, First Generation, President’s Award, Senior Learner, CAP Scholar
    - Urbana: First Generation, President’s Award, James Scholar, Teacher Education, I Promise, First Time Freshman, Chancellor’s Honor
  - **Start of Term Age:** Captures the student’s age at the start of a term for reporting of accurate ages during a term. For example if you wanted to know the number of 18 year old students in Fall 2010 this object allows you to identify students as of August 2010 who were 18 and registered even though it is 3+ years later.