

# UC Data Users Group Student Data Overview

September 29, 2017



# Subject Area Data

- ▶ Undergraduate Admissions (UAD)
- ▶ Graduate Admissions (GAD)
- ▶ Student Enrollment (REG)
- ▶ Course Enrollment (CED)
- ▶ Financial Aid (FAI)
- ▶ Degrees Awarded (DEG)
  - UC & IPEDS Ethnicity
- ▶ Alumni Employment Outcomes (AEO)

# Data Marts

- ▶ Easy to use – resemble flat files
- ▶ No joins required
- ▶ Some limitations in information
- ▶ Available Data Marts
  - Enrollment (Fall 3wk only)
  - Degrees awarded
  - UG Financial Aid (October 2017)
  - UG Admissions
- ▶ Data Marts Under Construction
  - Graduate Admissions
  - ULONG, GLONG
  - Graduate Financial Aid

# Star Schema

- ▶ All data, all fields, no limitations
- ▶ All subject areas built and available
- ▶ More complex structure (multiple rows per student)
- ▶ Requires joining fact and dimension tables
- ▶ Requires being mindful of the join type (left, outer, inner, etc. required depending on scenario)

# Tool Box

## ▶ **DB Visualizer**

- Write and test SQL
- Visualize the data infrastructure and star schema
- View table contents and definitions
- Create and share your own tables in DB2 environment (TBD)

## ▶ **SAS**

- Connects to UCDW via ODBC
- Can use SAS code or SQL (with limitations)
- SAS explorer GUI interface

## ▶ **Tableau**

- Connects directly to all UCDW tables and data marts
- Do joins in GUI or use custom SQL
- Visualizations for Info Center
- Simple data tables for ad hoc requests
- Publish custom data sources on server to share with others

# Resources

- ▶ Data operations hub (<http://data.ucop.edu/>)
  - Data dictionaries
  - File specifications
  - Code tables
  - Data loading updates
- ▶ IRAP Code Library
  - Use code that works and share your own code
- ▶ JIRA
  - Flag issues with the data
  - Collaborate with ITS partners
  - Get updates on fixes to data and known issues
- ▶ IRAP subject matter experts

# Role of DUG

- ▶ Ask questions and learn how to use UCDW resources
- ▶ Share and present your work products from UCDW
- ▶ Identify collaborations with IRAP colleagues
- ▶ Explore new content areas
- ▶ Other?