DATA CHALLENGES AT UMD

Inconsistent definitions

Gaps in data availability

Inconsistent reporting

Processing data is brittle and slow

Inconsistent application of data policy

Limited unit-record and reporting flexibility
## Project Overview

### Workstream Executive Reporting (ER) Data Extraction + Ad Hocs (DE) Data Modernization (DM) Data Documentation (DD)

### Description
- Any user on campus should be able to access predigested information with context to aid in their understanding
- Power users on campus generate reports to do their day-to-day work and need the ability to run ad hoc queries
- AWS DW transformation
- Ensuring all data are documented in DataDocs prior to moving to the new DW

### Legacy Systems
- Profiles, Frozen Warehouse, WOW
- Current Warehouse, WOW, Advise on the Web, Hyperion Studio
- Oracle, Mainframe
- DAD site, Oracle Tables

### Risk Mitigation
- Profiles Replacement
  - WOW - Partial Replacement
- WOW Replacement
- Informatica implementation
- SIS Replication / Data Store
- Field level definitions - DAD Replacement
- Report Documentation

### Enhancements
- New Executive Reports
- New Content Areas
- Hyperion/Studio Replacement
- Advise on the Web Replacement
- Warehouse redesign
- New data sources
- Implementation of "Data are Free" Policy
- Table Documentation

### Solution Space Systems
- Tableau, AWS
- SQL, Tableau, Jasper, SAS, ...
- Amazon Redshift
- Data Docs
CHANGES FOR USERS

• Finding data
  • New location, hopefully consolidated and easier to find
  • New look and feel, hopefully more intuitive

• Generating data
  • New tools, hopefully with more stability and features
  • Some pain in learning, hopefully with community support

• Documenting data
  • New tools, hopefully with collaboration and support
  • New responsibility, hopefully with payoff
FOUR TYPES OF ACCESS

- **Public**: aggregate, summary, basic data
- **Campus-wide**: aggregate, summary, decision support
- **Protected-use**: de-identified individual records for research or legitimate business use
- **Full-use**: individual records identified for use in research, legitimate business use, and applications
A NEW CAMPUS RESOURCE

What type of user are you?

**Public User**
No Login Required

**Campus User**
Login Required
Your connection must be [UMAccess MFA VPN](#)
Terms of Service
Please carefully read these terms of service ("Terms") before using the site. These Terms also apply to interactive features, reports, downloads that are owned or controlled by IRPA, and are available through the Site or that interact with the Site. You agree to these Terms by accessing or using the Site. If you do not agree to be bound by all of these terms, do not use the Site.

- I understand that "Unit Record Data" (URD) is specific, granular data that can be used to identify individuals and information about them, among other things. This information is clearly sensitive, often confidential, and is protected by federal, state, and local laws, including FERPA. It is only provided to employees when needed for completing legitimate job-related responsibilities.
- I will participate in training and re-training related to URD as required.
- I will use URD for the sole purpose of fulfilling legitimate job-related responsibilities, and not for academic research, scholarly publications, or other uses.
- I will protect URD by storing it securely, accessing it securely and preventing unauthorized access, limiting or eliminating sharing, and deleting all copies upon completion of the relevant activity or at the expiration/termination of my access permissions.
- I will not share any findings outside the University of Maryland without prior review of the Senior Vice President and Provost or Designee.

Proceed to Executive Reports (Formerly Profiles)

MFA/VPN Instructions
Must be connected to UMAccess MFA, VPN

Data Docs
UMD's data documentation tool

Need help?
Troubleshoot your problems
Number of Registered Majors

Report Details

Report Description:
MATCHES PROFILES. This report provides undergraduate and graduate student enrollment counts. Counts are provided using three methodologies: primary major count (each student counted once in their primary major), unduplicated count of majors (each student counted once in the selected unit), and count of all majors (each student counted for each major he/she is registered).

Report Links

Number of Registered Majors
Report Description

Your Favorites

Workbook
Students by Race & Gender
Degrees Granted
Student Credit Hours
Student Majors (Advanced)
Undergraduate Admissions
Toni's Training Dashboard

Your Top 5 Viewed

Number of Registered Majors
Course Counts by Class Size
Undergraduate Admissions
Students by Race & Gender
Student Majors (Advanced)
FOR MORE INFORMATION

Email: reportsupport@umd.edu

Project website: https://irpa.umd.edu/dsupdates.html

www.reports.umd.edu