Data Governance & Decision Support

Academic Leadership Retreat
August 29th, 2018
Data Governance at UTK

• The goal of the UTK Data Governance initiative is to establish data management best practices, clear accountability, data stewardship roles, and a decision making structure that maximizes the value of campus data resources.

• Starting with Academic Affairs, this ongoing initiative will result in a sustainable and efficient set of controls, data standards, consistent processes, with the potential to extend in scope over time, to other divisions within the Knoxville campus.
Data Governance Objectives

• Establish appropriate responsibility and authority for the management of the campus data assets.

• Improve the quality and integrity of campus data resulting in greater accuracy, timeliness, and a clear understanding of data.

• Improve the security of campus data, including confidentiality and protection from loss.

• Improve ease of access, assure that once data is located, people have enough information about the data to understand how to interpret it.

• Reduce the redundancy of the data through consolidation of data-marts and systems of record.
Data Governance Roles

- Data Trustees
- Data Mgmt Team
- Data Stewards
- Data Custodians
- Data Users

* full descriptions at https://data.utk.edu/roles/
Decision Support Assessment

- Started with Academic Affairs in late 2017
- One focus was on process improvement around data management (quality/ security)
- Timely reporting feedback and delivery
- Organization structure re-alignment
- Data Governance that spans major campus units and divisions
Decision Support: Accomplishments

- Streamlined Academic Affairs procurement process
- data.utk.edu website for campus data resources
- Common data request intake form monitored by OIT and OIRA
- Self-service products and analytic software implementation
- Reorganization of staff to better support campus needs
Decision Support: Future

- Full rollout of Data Governance within Academic Affairs, Student Life and Finance & Administration, including a Decision Support Community
- Consolidation of census/official data into central data warehouse
- Additional self-service reports
- Additional analytic capabilities
Intermission

DOOR PRIZES

(just kidding)
OIRA Updates

• New Website launched early August, 2018
  • Newly updated public-access online versions of enrollment and degrees awarded.
  • The log-on page for Secure Access (online) is still in transition. Currently, the two updated versions of Academic Unit Statistics reside on this page, as well as faculty salary comparison reports.

• Feedback welcome - email oira@utk.edu
Academic Unit Stats

- Academic Unit Stats (AUS) is a tool for college and department administrators to use for planning and annual reporting.

- AUS reports are delivered in SAS Visual Analytics. As some unit-record data is viewable in some reports, access is limited to authorized users.

- It consists of trend tables and charts for official enrollment, degrees, credit hours, faculty and staff, and other data.

- It is based on census/frozen data, the same as is used for external and other internal official reporting.

- There are currently two reports: College\Department Profile, and College Comparisons. Each one has an Introduction tab and help/directions throughout.
Academic Unit Stats
Academic Unit Stats
Graduate Blueprint

• Lifecycle of Graduate Student
  • Admissions (live)
  • Enrollment (live)
  • Support (live)
  • Success (in development)
  • Placement (in planning)

• https://data.utk.edu/graduateblueprint
Graduate Blueprint - Admissions

Campus Data Resources

Graduate Blueprint

Below numbers show students applying for Grad School in the next Fall term. Scroll down for detailed SAS reports.

Fall Applications 2016
- 1,647 In-State
- 2,391 Out-of-State
- 1,599 International

Fall 2016

The Admissions module provides the tools to decision makers to analyze and trend recruiting and decision outcome based on applications, demographics, incoming GPA, and more.

Note: This module does not include Law and Vet Med admissions data.

SAS Visual Analytics

Data refreshed as of: 8/23/2016 2:22am

Report Title | Source | Keywords
--- | --- | ---
Admissions - Applications by Term | Banner, ADMIT | Decisions, Residency, Sex, Race, Incoming GPA
Admissions - Applications Detail | Banner, ADMIT | Status, In Review, Pending, Race, Citizenship
Admissions - Admitted by Term | Banner, ADMIT | Applications, Admits, Enrolled, Incoming GPA
Admissions - Admitted Detail | Banner, ADMIT | Admit Types, First-Time Graduate, Change of Program
Admissions - Total Applications | Banner, ADMIT | Decisions, Application Status, Residency, College and Programs
Admissions - Self-Service | Banner, ADMIT | Export CSV data for further analysis

Decision Trend by Term

Note: Decision Trend by Term show the decisions of all applications made by the Admissions Office.
Graduate Blueprint - Enrollment

Campus Data Resources

Graduate Blueprint

SPRING 14-day Enrollment by Degree

First Time Grad Students
265 FTG

SAS Visual Analytics

Report Title | Source | Keywords
---|---|---
Enrollment Census - by Term | Banner | Campus, Demographic, Residency, Credit Hours
Enrollment Census - Degree Detail | Banner | Degree Enrollment, Student Type, Credit Hours, Lab Hours, Majors
Enrollment Census - Demographics | Banner | Sex, IPEDS Race, THEC Race, Credit Hours
Enrollment Census - Fee Detail | Banner | Instate, Out of State, Residency, Heat map
Enrollment Census - Location Detail | Banner | Geo-mapping, Country, State, Citizenship, Veterans
Enrollment Census - Self-Service | Banner | Export CSV data for further analysis

data.utk.edu
Graduate Blueprint - Support

Campus Data Resources

Graduate Blueprint

Average Student Support
$9,167 per student, per term

FALL 2018 Support Sources

Support module shows insight into the financial support that is provided to Graduate students including Assistantships, Fellowships, Loans, and other types. There are also different sources of financial support that are both internal and external to assist students in funding their education.

SAS Visual Analytics

Report Title | Source | Keywords
--- | --- | ---
Support - Summary | Banner, IRIS | GTA, GRAs, Loans, Fellowships, Fee Waivers
Support - Financial Aid | Banner, IRIS | Federal / State / Private Loans, Endowments, TN Fellowship, Access and
Support - Fee Waivers | Banner, IRIS | Overview, Distribution, Degree, College and Programs Metrics
Support - Fees and Tuition | Banner, IRIS | Exemptions & Contracts, Part time versus Full time, Degrees, Programs and College Metrics
Support - Student Employment | Banner, IRIS | Funding, Assistantships, Employment, College and Program Metrics

Support Types

Support Amounts

Student Support - Summary

Support - Summary

Support - Financial Aid

Support - Fee Waivers

Support - Tuition

Support - Student Employment

Legend Definitions

GTA - Graduate Teaching Assistant
GRAs - Graduate Research Assistant
Federal - Federal Work-Study
State - State Work-Study
Private - Private Work-Study
Endowment - Endowment
TN Fellowship - Tennessee Fellowship
Access - Access and Diversity Fellowship
Exemptions - Exemptions and Contracts

Note: "Support Types" are unique counts of awards, loans, and other types, not student counts.
Campus Executive Dashboard

- Executive level KPI(s) covering:
  - Enrollment Management
  - Finance
  - Human Resources
  - Research
  - Facts and Figures

- Summary and College / Department Datasets
- Enrollment Mgmt. Module - October, 2018
Student Success Dashboard

• An internal tool for university leadership (the same users as AUS)

• Will track undergraduate retention / persistence / graduation trends, with drillable demographic and academic performance metrics, with additional capabilities in phase II

• First phase will be released in late 2018 / early 2019
Questions?