Business Analytics at the University at Albany Home

UAlbany Business Analytics

This wiki is intended to provide screen shots of UAlbany Business Analytics

About UAlbany Business Analytics

UAlbany Business Analytics (UBA) is a Business Intelligence (BI) environment that uses the latest Oracle BI technologies. The UBA provide insights to key decision makers that can drive business practice changes with accurate and reliable data used with confidence, especially in our current fiscally demanding environment.

The primary benefit of this innovative service is the empowerment of Department Chairs, Deans, and Administrators to generate sophisticated representations of metrics (dashboards, bar graphs) with minimal technical expertise. Data is integrated from disparate, separately owned data sources into a single format/display to easily generate historical comparisons and trend data to use in operational and strategic decision making. UBA has reduced the need for ad hoc reports, shadow systems and query-based analysis and will eventually replace the existing data warehouse.

Simplifying the complexity of Campus data and establishing consensus on data definitions and data sources, has improved the quality of University data overall. Data anomalies are captured during nightly processing, and, if appropriate, data quality is always fixed at the source system.

UAlbany is the first SUNY campus to implement a complete Cost per Academic Program analytics, an invaluable metric for management.

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UAlbany Business Analytics

UAlbany Business Analytics Screen Shots

Login and Landing Page

- Login Page
- Landing Page

The screen shots provided here illustrate the capabilities of UAlbany Business Analytics. Each of the screen shots below begin with the Comprehensive Campus Analysis. The user then can easily drill down and add columns to obtain the analytics he/she is interested in. Once a user creates an analytic in this way, say one that looks only at his/her program, the analytic can be saved for the user, and refreshed with the current data whenever the saved dashboard is reopened.

Costs and Expenditures

These analytics demonstrate insight into costs and expenditures across the entire campus with drill down capability to the individual instructor for cost per credit. UAlbany is the first SUNY campus to integrate costs and hours of instruction in order to provide Managers, Deans, and Chairs with this most meaningful information.

- Direct Instructional Expenditures by School, Department and Program (cost per credit by term)
- Drill Down to Department for Cost per Credit by Instructor across Terms
- Drill Down to Department for Cost per Credit by Instructor, single Term
- Sample Screen shot to 'Add a Column' to an existing dashboard
- Expenditure Bar Graph for a School by Department

Enrollment

These images illustrate enrollment analytics over time and for a specific term.

- Enrollment Dashboard
- Trending Graphs depicting Total Campus Enrollment over Terms and Campus Enrollment by Degree
Workforce

These analytics look at the workforce for trends and actionable items:

- Faculty Head Count by Type of Instructor

The following dashboard illustrates an age demographic column added to the main dashboard, and can be used for succession planning and/or recruitment. Other demographic columns are also available.

- Workforce Dashboard by Age

The following analytic differs from Head Count in that complex logic in the transformation process computes the Full Time Equivalent that each instructor actually teaches (what department pays him/her, what department is he/she teaching in, number of courses, etc).

- Instructional FTE by type of Instructor

The drill down to the individual instructor provides insight into faculty who may also be doing research, publications, etc.

- Drill down of Instruction FTE to the individual instructors