Providing Data Based Decision Support Tools at Montgomery College

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Montgomery College (MC)

- Community College
- Largest Undergraduate College in Maryland
- 2014: 58,000+ students
  - 35,253 Credit Course
  - 24,683 Non-Credit Courses
- Three Primary Campuses (Rockville, Takoma Park, Germantown)
- 5,600 Employees (approx.)
  - Approx. ½ are not benefits eligible

Blackboard Analytics at MC

- MC is a Banner school
- Implemented all modules except BB for Learn
- Implementing BB for Learn this Academic Year
- Use BB Analytics dimensional model as delivered

Qlikview

- Ease of use for end users
  - Click of the mouse to perform 95% of actions
  - Filter selections control all data presentations
- Comprehensive development layer
  - Easy to integrate multiple data sources (BB Analytics, Banner, Custom Apps)
  - Rapid development (especially when using BB Analytics)
  - Object based; reusable constructs; standard SQL

Approach: Think Big Picture

- Each Qlikview document provides comprehensive data/information for the given topic.
  - Applicants; Students; Faculty Load; Finances; Advancement; etc.
- Maximum Flexibility
  - Routinely answer the next unanticipated question
  - Easy to expand and maintain

Today - Two Examples

- HR: Tracking employee hours to meet Affordable Care Act requirements.
- Deans/Chairs: Manage and adjust course schedules during primary enrollment period (4 weeks before start of term)

Affordable Care Act – Shared Responsibility

- Full-Time Employee: average 30 hours/week
  - 1,560 hours annually
- MC – About ½ of our 5,600 employees are not benefits eligible.
  - Student positions
  - Adjunct Faculty
    - Credit
    - Work-Force Development

Time Reporting

- Staff submit time cards bi-weekly
- Full-Time faculty, Part-Time (credit) faculty - exception reporting
- Part-Time (workforce development) faculty – contracted hours for a time period

Qlikview – Employee Time

Course Schedule Management

- Business Case
  - 1/3 of MC registrations occurs in the month before semester starts
  - Deans/Chairs responsible for managing resources
  - Tool to evaluate course registrations to decide when to add or cancel sections.

Questions?

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