

# Data Tools for Program and Student Development and Productivity Improvement

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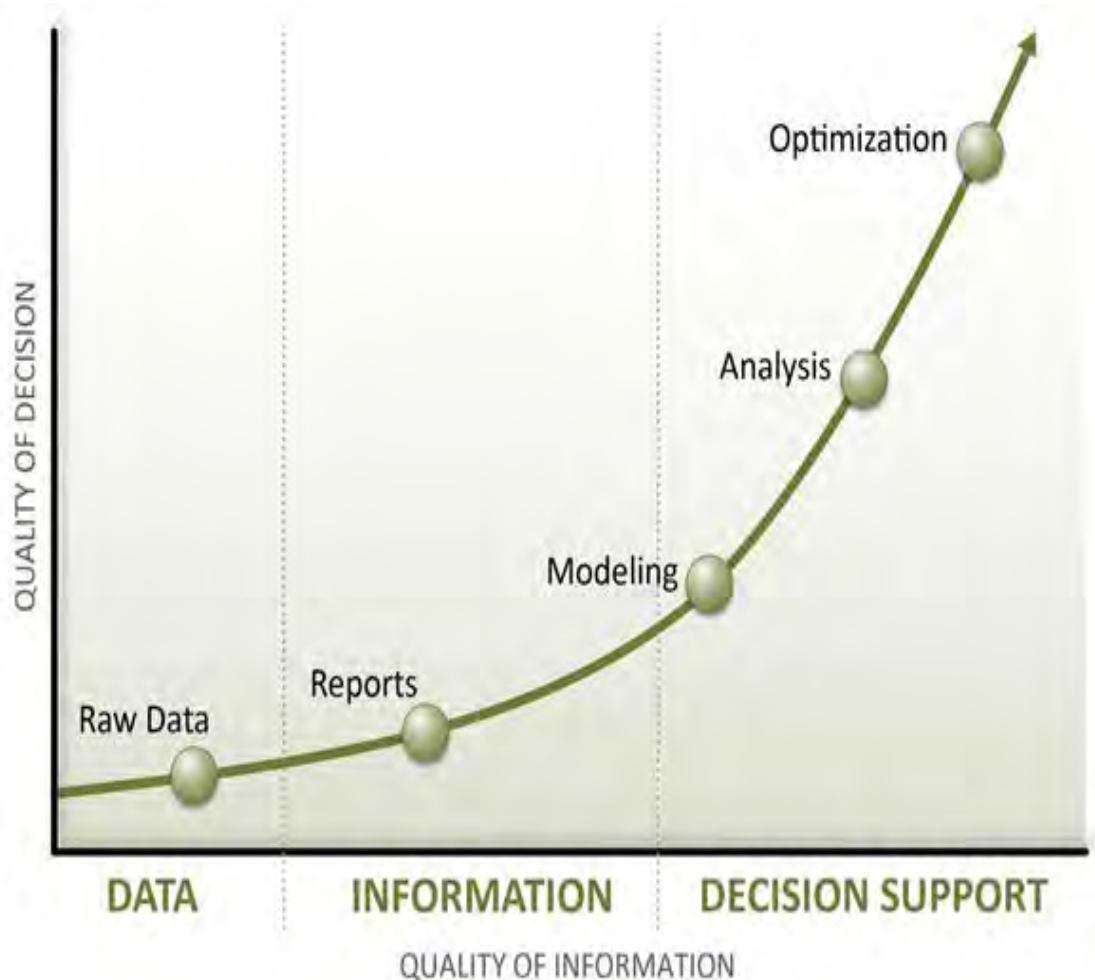
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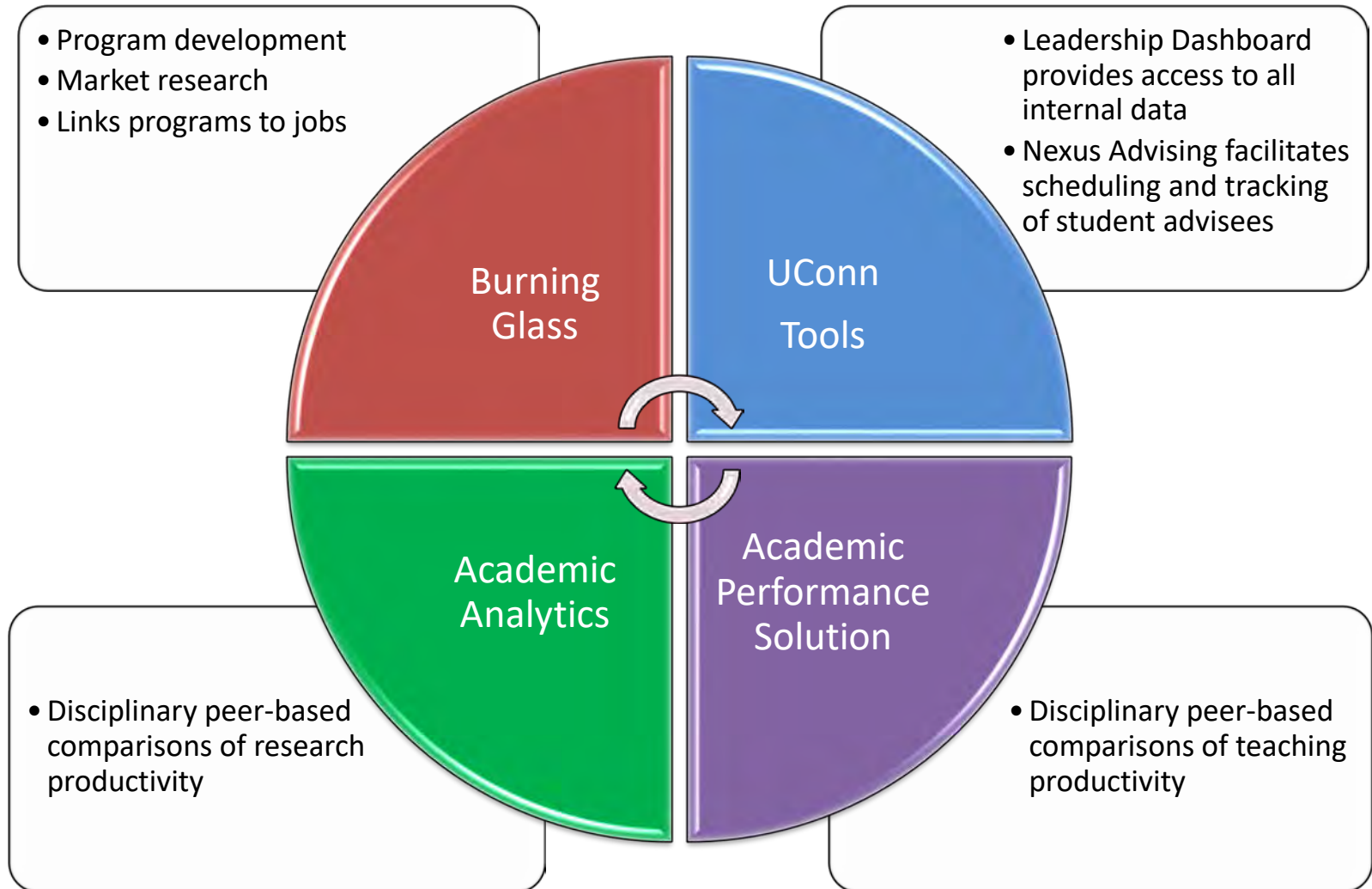
**UConn**

# Data Analytics @ UConn

- UConn is making data available to guide strategic academic growth and improvement
  - Decision quality is dependent on information quality
  - Information quality increases with data accuracy, relevance, and proper use of analytic methods



# Suite of Academic Data Tools



# Burning Glass

- **Program Insight**
  - Integrated data suite for academic planning and program development
- **Labor Insight**
  - Labor market data to support and inform academic decision making
- **Career Insight**
  - In depth job/career data and lead generation tool for academic programs



*Data Driven Insights to Align Academic Programs with the Job Market*

# Leadership Dashboards

SAS® Visual Analytics - Report Viewer

Search

Lloyd Blanchard

OIRE Data Portal - Welcome

Section 1

WELCOME TO THE LEADERSHIP DASHBOARDS

STUDENT DATA

STUDENT CREDIT HOURS DATA

FACULTY AND STAFF DATA

PRODUCTIVITY DATA

FINANCIAL DATA

DIVERSITY DASHBOARD

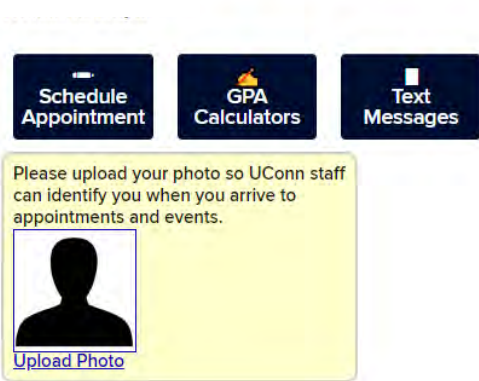
FACULTY AND STAFF DIVERSITY

STUDENT DIVERSITY

Close

***Comprehensive administrative data at <https://oire.uconn.edu/huskydata/> on students, faculty, staff, finance, and productivity***

# Nexus Advising



This advising tool is designed to:

- Store and share advising notes
- Schedule and track advising appointments
- Communicate with student advisees

***Provide advisors with an academic data dashboard that allows for differentiated outreach and early intervention support strategies***

**[https://nexus.uconn.edu/secure\\_per/index.php](https://nexus.uconn.edu/secure_per/index.php)**

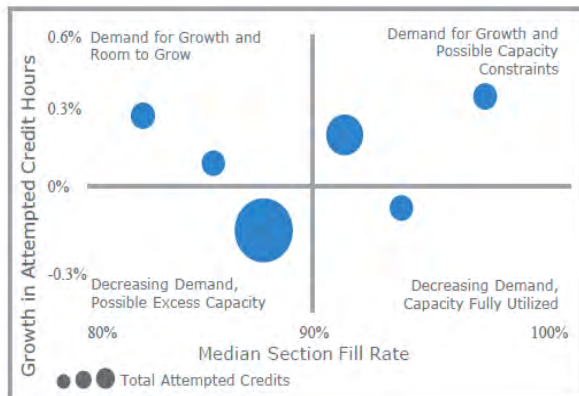
# Academic Performance Solution

- EAB's benchmarking and planning tool for departments

## Course Planning



*How can we align our resources to meet institutional and student needs?*



## Student Progress



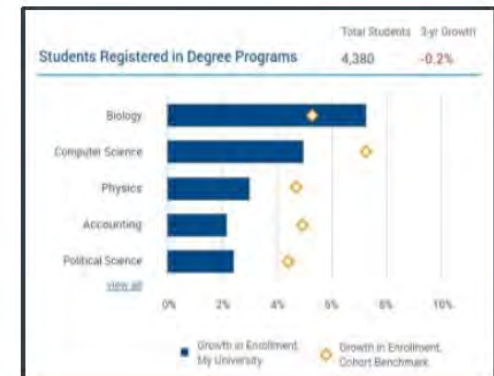
*How can we redesign our courses or programs to improve student outcomes?*



## University Operations



*How can we identify opportunities for resource reallocation and program growth?*



**Comprehensive peer-based data for instructional productivity benchmarking**

<https://portal2.academicanalytics.com/Account/Login?ReturnUrl=%2F#/0>

# Academic Performance Solution

- APS provides broad range of teaching analytic capability

## Academic Program Review

Strategically evaluate department health on an annual basis.

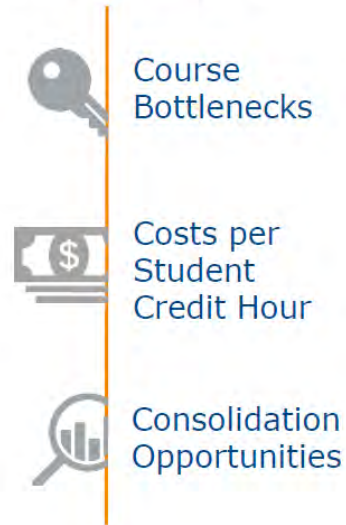
*Critical analyses:*



## Budget and Resource Allocation

Identify opportunities to standardize and streamline resource allocation decisions.

*Critical analyses:*



## Course and Workload Planning

Improve student outcomes by aligning offerings with demand.

*Critical analyses:*





# Academic Analytics

- AA provides broad range of research analytic capability



## **Strategic Planning**

How does our research profile compare to peers? What are our strengths and weaknesses relative to benchmark groups?



## **Faculty Recognition**

Which faculty are potentially under-recognized? What are the awards for which they might be most competitive? How do we maximize our awards effort?



## **Program Review**

What is the comparative research strength of a program undergoing review?



## **Faculty Hiring**

What will be the impact of our hiring priorities? Where can we allocate new resources to maximum impact?



## **Retirement/Retention Planning**

What will be the impact of upcoming departures or retention scenarios? Which faculty are most vulnerable to being recruited by other institutions?



## **Building/Assessing New Institutes**

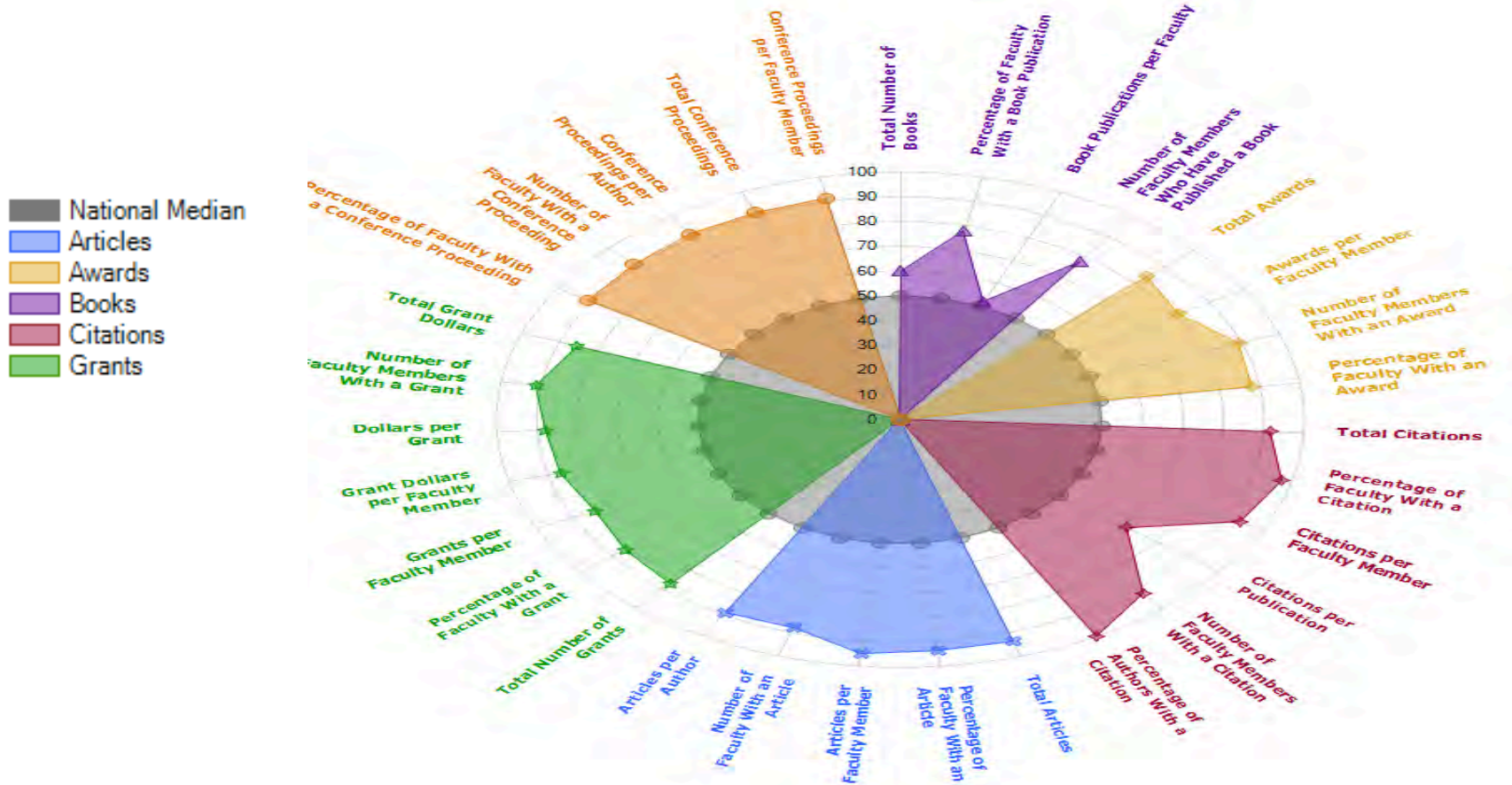
What would be the research strength of a new institute or center we hope to create?

***Comprehensive peer-based data for research productivity benchmarking***

<https://portal2.academicanalytics.com/Account/Login?ReturnUrl=%2F#/0>

# Academic Analytics

- Profiles include comparisons against national median or selected peers by broad field, department, and program



# Academic Analytics

- Career progression shows how UConn faculty compares to field in productivity since terminal degree

Professor

0 5 10 15 20 25 30 35 40 45 50 55 60 65  
Years Since Terminal Degree

Let us help you leverage these tools for success

**Burning Glass, Nexus Advising**

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**Leadership Dashboard, Academic Performance Solution,  
Academic Analytics**

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