

CONNECTED24

Making Data-Informed Course Planning Decisions to Meet Student Demand

Transformation Lab



Meet Today's EAB Facilitator



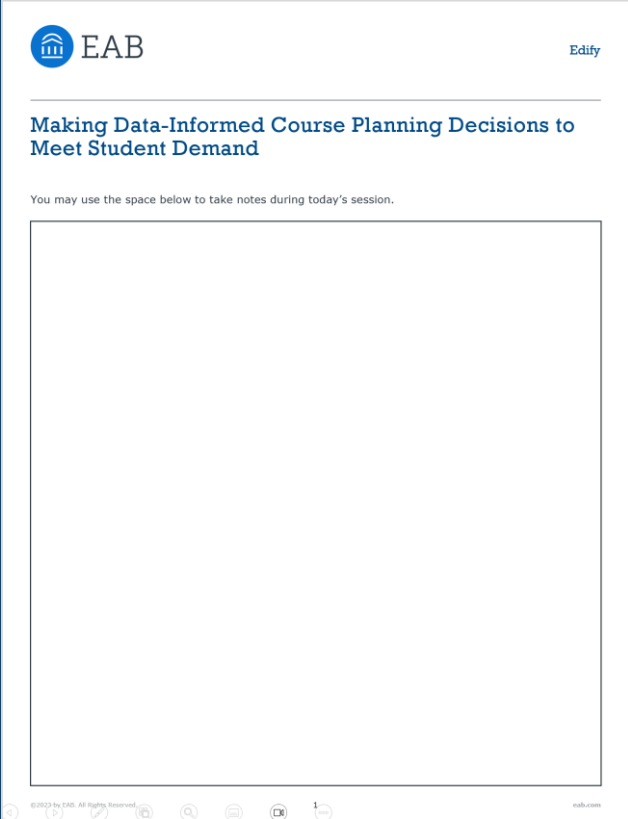
Wesley Pendarvis

Managing Director, Data and Analytics

Worksheet for Today's Session

Use the first page of the worksheet to capture any notes or ideas throughout today's session.

We encourage you to speak with your Strategic Leader for further discussion!



The screenshot shows a worksheet page with the EAB logo and 'Edify' in the top right. The title is 'Making Data-Informed Course Planning Decisions to Meet Student Demand'. Below the title is a large empty rectangular box for notes. At the bottom, there is a small copyright notice and a navigation bar.

EAB Edify

Making Data-Informed Course Planning Decisions to Meet Student Demand

You may use the space below to take notes during today's session.

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- 
- 1** Course Planning Challenges
 - 2** Making Data-Informed Course Planning Decisions to Support Student Success
 - 3** Course Planning Optimization Accelerator Demonstration and Activity
 - 4** Closing

A Time- and Resource-Consuming Process Every Term

Running to Stay in Place



Hours spent by **each** Dean, Department Chair, and Program Lead on course-planning **every term**



Hours spent by academic leaders **across the institution** on course-planning and scheduling **per term**

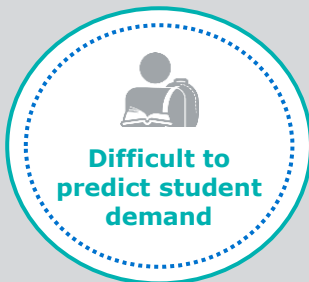
26%
Overfilled
undergraduate
courses

25%
Average unused
optimal capacity
across institutions

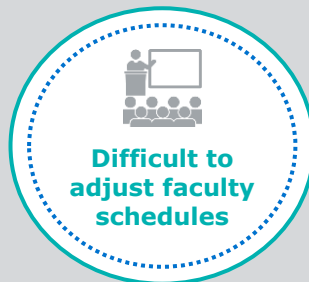
12
Student difference
among section capacity
within the same course

1 in 20
Sections across an
average institution
are collapsible

Common Pain Points



for coursework ahead of actual registration



to accommodate last-minute changes



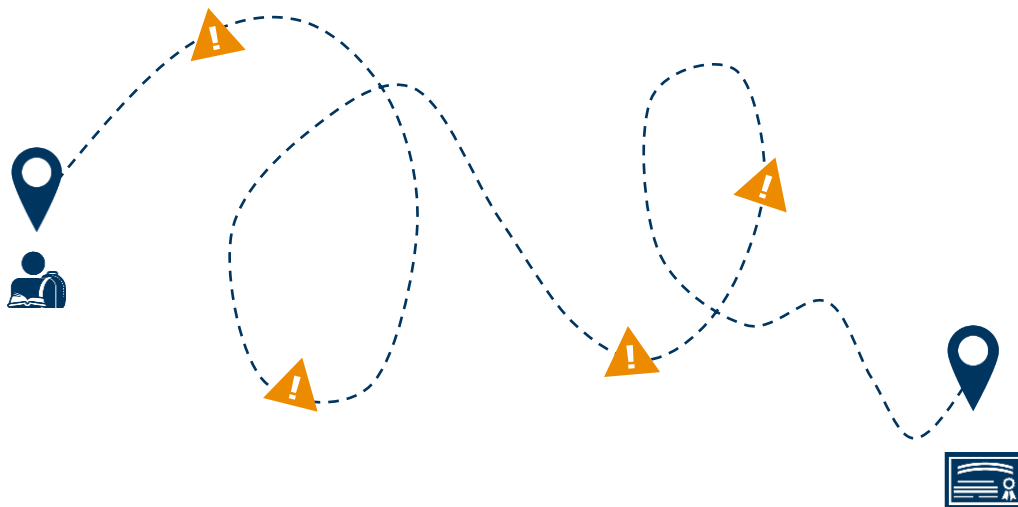
coordinating between academic units and the Registrar

“ **It’s like throwing darts,** figuring out how many students we need to accommodate.

“ I told my faculty **it’s untenable to cancel a class the first week of classes.** It’s unfair to the student. What if they needed that for graduation?

Poorly Planned Course Offerings Can Impact Degree Completion

Every Course a Student Can't Enroll In Is a Roadblock



- High-fill sections prevent registration when demand exceeds capacity, acting as access bottlenecks.
- Courses added too late in the registration period due to reactive planning don't give students enough time to register, and they miss the opportunity.

Raise Your Hand!

What questions are you hoping to answer using your data on course and section offerings?

Worksheet and Discussion Activity

Page 2, Questions 1-2

1. What insights are you hoping to draw from your data?
2. What data challenges prevent your institution from answering these types of questions?


Record your responses in the worksheet, and discuss with your table. We'll have one representative from each table share out.

Data Challenges and Aspirations

1 What insights are you hoping to draw from your data?

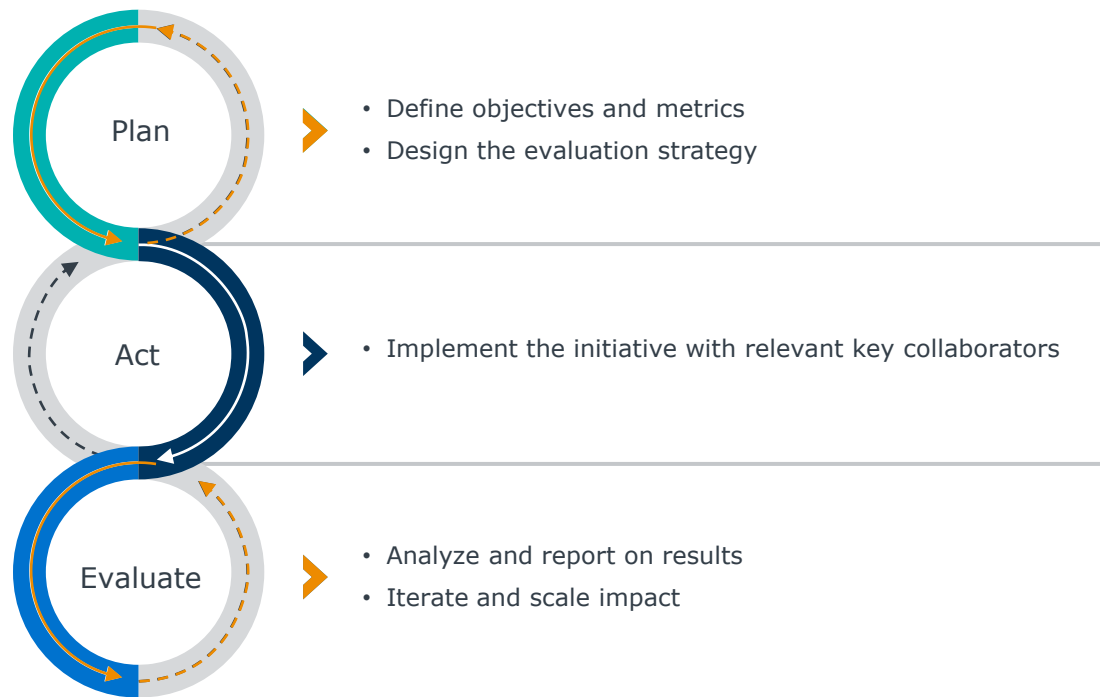
2 What data challenges prevent your institution from answering these types of questions?

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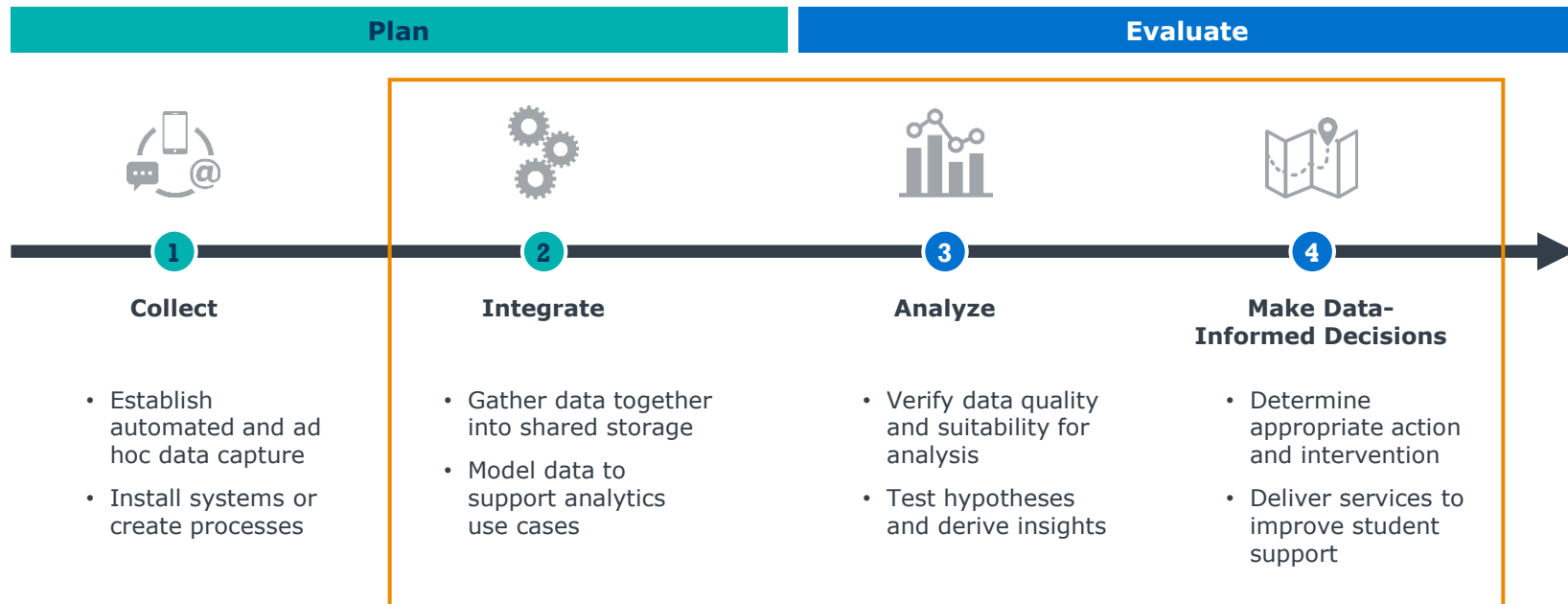
A Useful Framework for Analyzing Impact

Sustain Momentum Through Ongoing Evaluation



The Path to Data-Informed Student Success

Activating Campus-Wide Student Data Is a Multistep Process



Tailored analytics – more to come in a few slides!

Edify: A Data and Analytics Solution to Empower Strategic Decisions

Designed Specifically for Higher Ed

Bring Your Data Together



Access and Warehousing

*Cloud-native, secure, infinitely scalable **data lake and warehouse** to support critical institutional initiatives*

Build a Culture of Data Confidence



Data Governance

*Higher ed **best practice rules and validations** to ensure a golden record/single source of truth*

Empower Your Team with Insight



Reporting and Analytics

***Self-service, custom, and pre-built analytics** to drive efficiency and support decision-making*



Build Your Team's Capacity



Professional Services Hours

***EAB support** to meet you where you are. Your team's use of Edify can be self-service or partially or fully managed by EAB.*

Strategy and
Culture Support

Integration
Services

Process
Consulting

Data Science
and Analysis

What Is an Edify Accelerator?

Edify Accelerator: A templated workspace containing dashboards with *flexible multisource analytics* focused on answering specific business questions. Edify partners can leverage their Professional Services hours to customize Accelerators for their unique institutional needs.

Data Sources

Data can be pulled from several sources and loaded into Edify.

Custom Dashboards

The data is displayed in customizable dashboards.

Users

Dashboards are permissioned and are web browser-accessible.

The screenshot displays a workspace interface. On the left, a sidebar titled 'DASHBOARDS' lists: 1. Enrollment Overview, 2. Market Expansions, 3. Class Outcomes, and 4. Additional Insights. The main area shows '1. Enrollment Overview' with a 'Shared' icon. Below the title is a filter bar with dropdown menus for: Is Current Term (All), Academic Term (All), Primary Level Id (All), Ethnicity (All), Gender (All), and Source Name (All). A callout box points to these filters, stating: 'Filters allow users to perform granular, targeted analyses.' Below the filters is a section titled 'Current Enrollment Highlights' with the text: 'The below enrollment metrics can be filtered by all the available filters except Data Range.' This section contains three data visualizations: 'Total Enrolled Students' (a bar chart), 'Enrollment By Status' (a bar chart with a legend for Full-Time and Part-Time), and 'Gender Distribution' (a bar chart with a legend for Female and Male). A callout box on the left side of the workspace states: 'Dashboards in the workspace can be easily accessed on one screen.'

Data visuals, such as charts and tables, provide users with digestible data points that they can hover over or click on to drill down into.

Various Accelerators to Support Your Institution

A Library of Customizable Workspaces, So That You Need Not Start from Scratch

Advancement

Identify opportunities to reach more prospects and better retain donors.

Course Planning Optimization

Uncover course-adjustment opportunities to accommodate student demand.

Course Success Equity

Find differences in course performance across demographic groups.

Financial Barriers

Investigate and reduce barriers that may impact student success outcomes.

Financial Sustainability

Narrow in on unit-level costs and identify cost-saving opportunities.

IPEDS Reporting Automation

Streamline data prep and identify opportunities to align with reporting needs.

LMS Utilization

Improve student success outcomes and remove barriers to LMS utilization.

Strategic Enrollment

Pinpoint enrollment trends, view enrollment snapshots, and more.

Success and Retention Opportunities

Advance outcomes via interventions, policy changes, and other initiatives.

Transfer Equity

Understand patterns of transfer behavior and pinpoint equity gaps.

Accelerators are customizable and designed to serve relevant key collaborators. [Click here to learn more.](#)



Focusing on the Course Planning Optimization Accelerator in Today's Session



Advancement

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Course Planning Optimization Accelerator



Align Course Offerings with Student Demand

At a Glance

Past and present course, student progress, and instructor data to power course planning strategy

Example Users

- Deans
- Department Chairs
- Registrar



Questions

Which courses have historically been underfilled?

What is the historical breakdown of majors taking coursework in the department?

Which instructors taught the course in the past?

Which courses are at or close to capacity this registration period?



Potential Actions

Reduce the number of sections in the next registration period.

Adjust course offerings based on demand from different majors.

Make instructor assignments for newly added sections for high-demand courses.

Add additional sections or increase course capacities to accommodate student demand.

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Worksheet Activity During Live Demonstration

Page 3, Questions 1-2

Record the data points you find valuable, customized data points you'd want to include for your institution, and key collaborators who would benefit from having this data.

After the demonstration, discuss with your table!

Course Planning Optimization Accelerator

1 What data points do you find the most valuable or interesting? Given Edify Accelerators are customizable, what additional data points would you want to include?

Dashboards:

- Executive Summary:
- Course Analysis:
- Registration Analysis:

Additional Data Points:

2 What key collaborators on campus may find these course and section data points and the dashboards valuable? What kinds of decisions and initiatives could the data inform?




Live Demonstration

In what ways can this Course Planning data be used at your institution?

Nobody has responded yet.

Hang tight! Responses are coming in.

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Key Takeaways from Today's Session



Promote a culture of data-informed decision-making by governing your data and making it accessible.



Leverage trusted tools, tailored analytics, and best practices to help create your institution's data strategy and help students succeed.



Strategically plan your course and section offerings to ensure alignment with student success goals.

Infographic

14 Metrics for Adaptive Course Planning

At most institutions, the course schedule is seemingly never quite fine-tuned enough to support student demand, needs go unmet, courses overflow, staff are left scrambling to get instructional resources in place, and students struggle to get into the courses they need to complete their degrees on time. But it doesn't have to be this way. Institutions that leverage data to inform course planning decisions and monitor registration in real time can proactively plan in a way that supports student progress, maximizes instructional resources, and adapts quickly as needs change.

Explore this infographic to learn 14 metrics institutions can use to achieve adaptive course planning and understand how available—or unavailable—data in the course planning process impacts staff, faculty, and students. Plus, click the orange arrows to learn how each set of metrics can improve your course planning process.

14 metrics for better course planning

Planning Phase

 <p>Baseline Review</p> <p>(Course- and section-level)</p> <ol style="list-style-type: none"> Total number of sections offered per course for the past term 	 <p>Enrollment</p> <p>(Course- and section-level)</p> <ol style="list-style-type: none"> Fill rate for the past term Enrollment capacity for the past term
+	+
 <p>Student Progress</p> <p>(Course- and section-level)</p> <ol style="list-style-type: none"> Attempted student credit hours by majors and non-majors for the past term Completion rate for the past term Repeat rate for the past term DNR rate for the past term 	 <p>Student Preferences</p> <ol style="list-style-type: none"> Courses Course and section times
+	+

The Pitfalls of Bad Data in the Planning Phase

<p>Impact on Staff</p> <p>Academic leaders typically don't have easy access to the metrics listed above, so the Registrar is inundated with individual requests, and it becomes difficult to roll over the previous term's schedule without proper evaluation. This leads to high numbers of both low- and high-fill sections, and ultimately, ineffective utilization of space and instructional capacity.</p>	<p>Impact on Students</p> <p>Priority placed course offerings can inhibit students' paths to timely degree completion. For example, high-fill sections are as scarce as hotcakes when student demand for the course exceeds capacity and students are unable to register for the course.</p>
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Registration & Adjustment Phases

14 Metrics for Adaptive Course Planning

Check out our digital infographic online ([link here](#))!

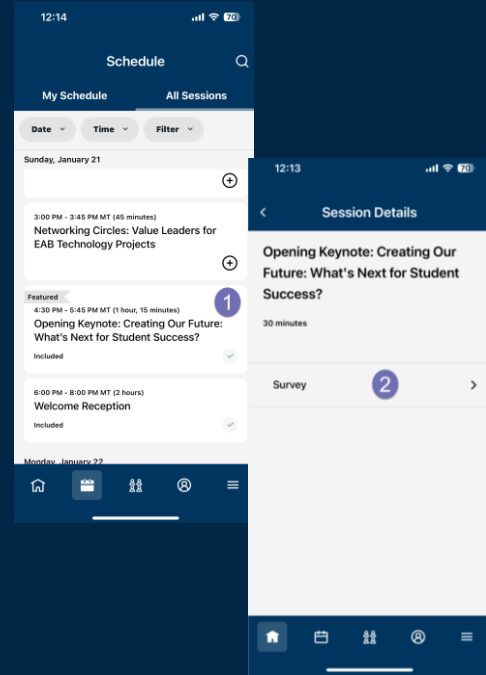
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Your feedback is important to us, please take a few moments to **tell us about your CONNECTED experience.**

Evaluations are available in the event app by clicking on a session and then clicking **Survey**.

Need help with the app?

Stop by the **information desk!**



CONNECTED24

Join us tonight for a
CONNECTED Celebration!



Join us at **5:00 p.m. in the Aurora Ballroom B-D** to celebrate with your colleagues and peers.

Bites, drinks, and fun provided



Next Up: **Lunch!**

Head straight to Aurora Ballroom A located on the 2nd floor.

Lunch is being served family style – it'll be ready for you at your table. Refer to your badge to locate your table number. There will be staff on hand to help direct you.



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