



DSTk v1 Modules

Unit Profile



Provides an overall outlook on a unit's business inputs/outputs

Metrics:

Course Credit Hours and Revenue, Student Headcount, Faculty/Staff Headcount and Expenditures

School/College Profile

- School/College Comparison
- High-level Trends

Department Profile

- Formerly "Scenario Planner"
- Department Comparison
- "The Breakdown" provides analysis comparing costs/benefits by department
- Course and Program Specific Comparison

Program Performance



View program success and find areas of opportunity

Metrics:

Student Headcount, Credit Hour and Revenue Contribution, Program Flows, Demographics

Level-Set Page

- High-level overview of primary program related detail
- School/College Comparison
- Department Comparison and Analysis

Detail Page

- Student headcount and credit hour contribution by Student Type
- Program Flows shows where students are going
- Demographics who are your students and where to they come from

Course Efficiencies



Analyze efficiencies in course offerings

Metrics:

Credit Hours, Sections Offered, Course Fill Rates, Modality Utilization, DFWs

Level-Set Page

- High-level overview of course related detail
- School/College Comparison
- Department Comparison and Analysis

Detail Page

- Department and Subject Comparison
- Collapsible Course Analysis
- Section Demand Calendar
- Modality Insight
- Success Detail

Instruction Insights



How are people resources being utilized?

Metrics:

Headcount and FTE, Workload, Instruction Expenditures

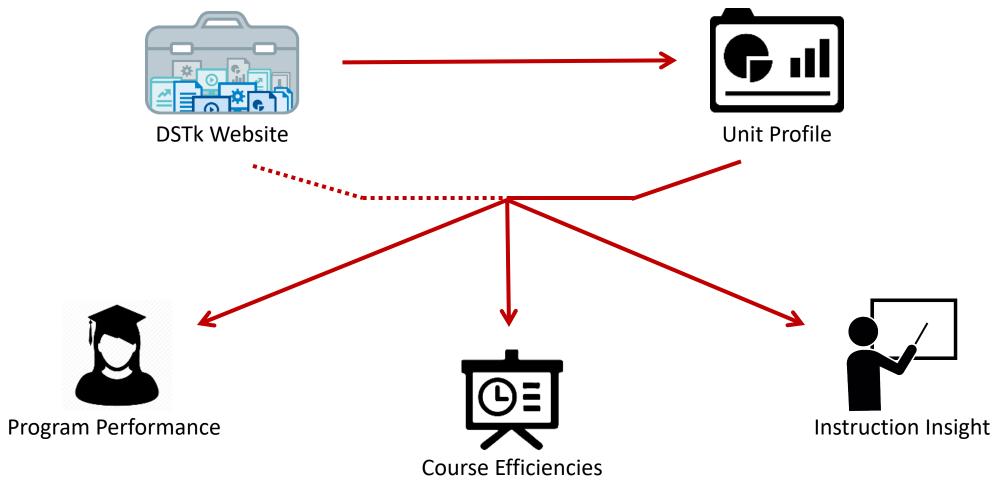
Main Page

- School/College Comparison
- Instruction by Rank
- Faculty Expenditures
- Instructional Capacity Gap
- Department Breakdown





DSTk v1 Diagram







Website

https://www1.ucdenver.edu/offices/institutional-research-and-effectiveness/decision-support-toolkit

- The website serves as a starting place to each of the DSTk modules
- Stores training resources
- The DSTk website is housed under the Office of Institutional Research webpage
- For easy access, Google:
 "CU Denver Decision Support Toolkit"

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Office of Institutional Research and Effectiveness

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CU Denver Decision Support Toolkit

A collaboration between OIRE and the Budget Office

Welcome to the **Decision Support Toolkit (DSTk)**, CU Denver's ever-evolving analytics platform, designed to support school and college leaders in addressing academic and fiscal planning challenges. The **DSTk** synthesizes institutional data from financial, academic, and HR data sources, providing accessible and actionable information to assess the efficiency and financial health of their unit.

Each of the **DSTk** modules focus on the three pillars of financial sustainability: Revenue Generation, Cost Containment, and Reallocation of Resources. With these three pillars in mind, the **DSTk** allows users to dig deep into business components and gain insights needed to inform strategy and decision making.

With a CU Denver designed platform, the **DSTk** will grow and evolve with the needs of the campus. Its collaborative design and development process brings together contributors from every facet of the institution. The tool is designed to provide campus leaders with data and information needed to thrive operating under the incentives-based budget model, and ultimately contribute to CU Denver's strategic priority in achieving long-term financial sustainability.



AVAILABLE NOW!

Version 1 of the Decision Support Toolkit is now available! Below you will find direct links to the four modules for your use in planning for the semesters ahead.

Navigate to one of the modules using the tiles below and log in with your university credentials. Remember, you must be logged on to the campus network or VPN to access the DSTk. Please keep in mind, access to this set of tools is currently limited to certain users within our schools and colleges. Please reach out to david.doia@ucdenver.edu to request user access.

Unit Profile

This tool provides an overview of your school/college's inputs and outputs. Assess trends and comparative data to guide strategic decision-

Course Efficiencies

Explore trends in student credit hours, student outcomes, fill rates and more. Start with an overview of your school/college, then dig into departments and subject areas for more insight.

Program Performance

Dive into trends and comparisons across programs Use this tool to determine which programs are producing successful students and sufficient revenues.

Instruction Insights

Get familiar with the instructional costs and outputs in your unit. Begin with an overview of faculty types and credit hours produced, then dig into detail for programs and subject areas.





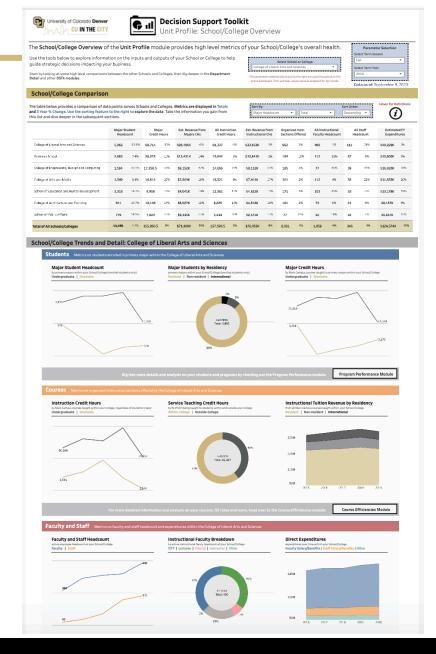
Unit Profile 🕞 📶



Start with the **Unit Profile**

- Gain insight on high level stats from all parts of your business with the **School/College Overview**
 - View your data as compared to the other Schools and Colleges
 - Keep track of your high-level metrics and trends
- Dive deeper the **Department Detail**
 - Formerly the FY 20-21 Scenario Planning Resource
 - Sort through department level data
 - Use The Breakdown to view analysis and trends on department level detail
 - Dive even further into program and subject level comparisons

Once you've found some areas to dig into, dive deeper with the Program Performance, Course Efficiencies, and Instruction Insight modules





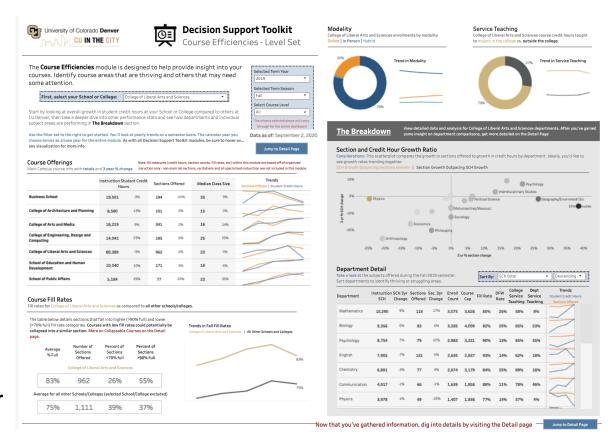


Course Efficiencies



Get into course offerings with the **Course Efficiencies** module

- Use the Level-Set page as a place to start to understand your course level data
 - Jump to The Breakdown section to start comparing stats by department
- Dig into more detailed analysis all the way down to the subject level on the **Detail** page
 - Look at fill rates and section utilization
 - Find savings with **Collapsible Course** analysis
 - Narrow down high and low demand courses
 - Know when to offer classes with the Course Demand Calendar
 - Learn which modalities work best
 - Identify areas where students are most successful



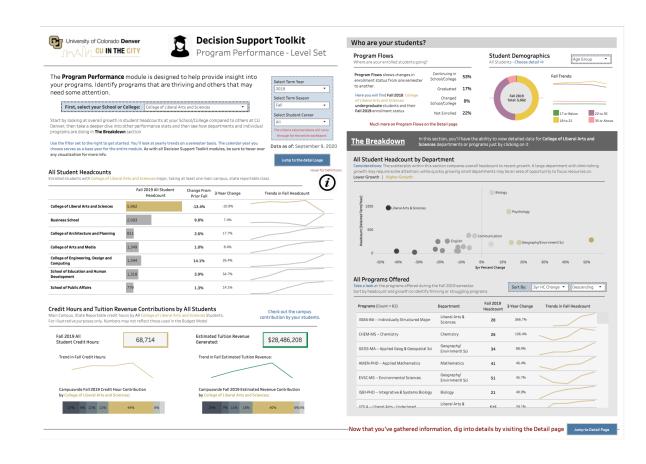


Program Performance



Identify your thriving programs with the **Program Performance** module

- The **Level-Set** page serves as a starting place in understanding your program level data
 - The Breakdown sets you up to start comparing stats by department
- Use the **Detail** page to get dive deeper into more granular data at them program level
 - View headcount trends by different groups of students
 - Understand credit hour and revenue contributions
 - Use Program Flows to view where students are end up from one semester to another
 - Find out where your students are coming from with the High School/Transfer College Map



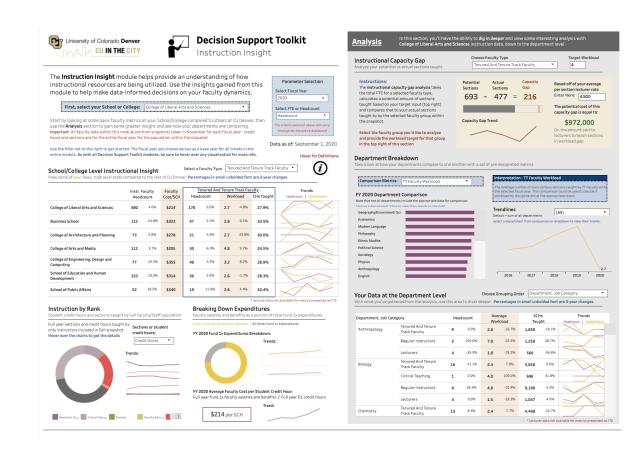


Instruction Insight



Understand resource utilization with the **Instruction Insight** module

- Understand your instructional costs
 - As a percent of total expenditures
 - In terms of cost per credit hour
- Look at credit hours and sections being taught by faculty rank
- View trends on workload by rank
 - Use the **Instructional Capacity Gap** analysis to compare target workload to actual
- Compare departments through all stats within this module and see how they've been trending





What's Next?

Detailed Walkthroughs / Feedback

- Look out for calendar invites for each of the four modules
- We will do in-depth demonstrations and solicit feedback

Contact David Doig with Feedback, Session Requests, and User Access Requests: david.doig@ucdenver.edu

Please reach out to set up an individual/tailored session

- Please reach out with questions you have on anything regarding DSTk content
- We're happy to do in-depth, tailored walkthrough with your units. Please reach out to set up a session
- Is there something you'd like to see that's not included in one of our tools? Feel free to request an enhancement!

Other users?

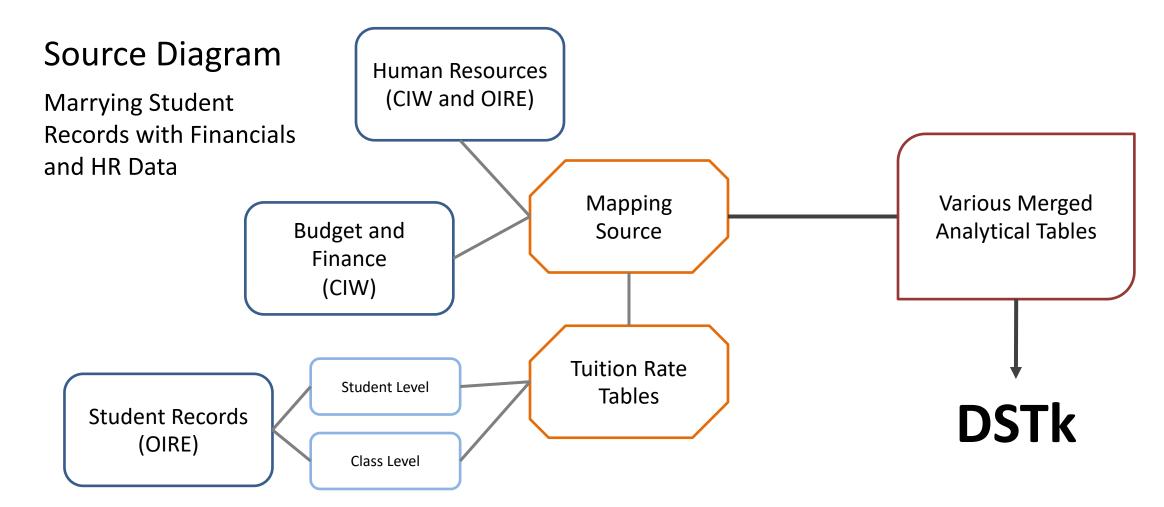
 Currently, DSTk is limited to those with approved access. Please reach out to David to add additional user

On to the Demonstrations





Data Diagram

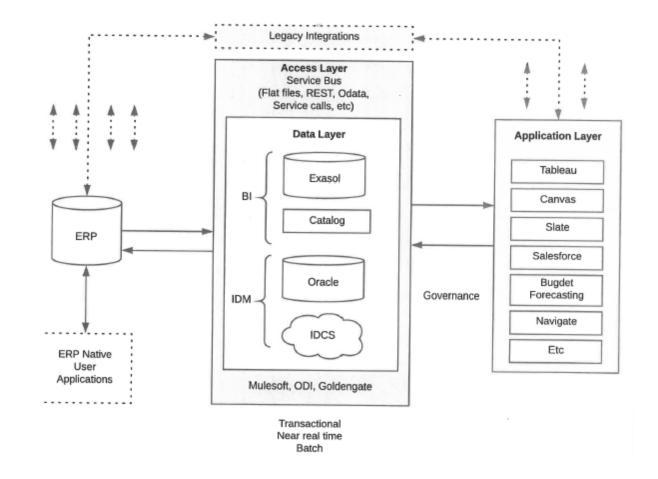




Technology

Leveraging OIT Tools For Seamless Updates

- In its optimal state (beyond version 1), the Toolkit will utilize Exasol and Mulesoft – enterprise data movement and warehousing tools provided by OIT
- This will allow for completely hands-off data refreshing and automation, and for some applications, near real-time data





Beyond DSTk v1 Launch

Outreach, Engagement, Maintenance, Improvements

Short Term (Q2 FY 2021)

- Outreach and Training (October 2020)
 - In-depths demos of each of the modules
 - Offer consultation to Schools and Colleges on
- **Collect Feedback** (November 2020)
 - Hold feedback sessions after demos
- Enhancements and Modifications (November and December 2020)
- Data Movement and Infrastructure

Medium Term (Q3 & Q4 FY 2021)

- Version 2 Planning. Areas of focus:
 - D2/Extended Studies
 - Central Administration Modules
 - Forecasting and machine learning
- Communications
 - Blog
 - Townhalls
 - Case studies
 - Consultation

