



# Accessing Course Data to Make Data Driven Decisions in D2L

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Julie Lockett, Director of Learning Innovation  
Faculty Development and Innovation Center, EIU  
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A magnifying glass is positioned over a bar chart, focusing on the Q2, Q3, and Q4 data points. The chart shows two series of bars (blue and green) for each quarter. The y-axis has a label '1,000'. The background is a light blue gradient.

# Agenda

Data and reports available to instructors in D2L

- Built-In Reports
- In-Line Tool Reports and Statistics
- Using other D2L tools for data collection
- Data Hub
- Insights for Instructors
- Insights Portal

# Why look at learner data?

- Know where lessons, class activities, tests, and quizzes are weak and where they are strong.
- See student progress.
- See activities in which students are engaged.
- See where students are disengaged.
- See how much time and effort students are putting into activities.



## Built-in Reports

Easy-to-use  
reports directly  
integrated  
within courses

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See what content is being accessed and how learners are progressing



Compare learners' performance throughout the course



See inline tool reports with detailed statistics for tools within Brightspace



# Class Progress

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View of all student engagement for every tool made available across the course

A light blue downward-pointing arrow indicating a flow from the first box to the second.

Students can access their own class progress

A light blue downward-pointing arrow indicating a flow from the second box to the third.








10 key points of metrics

# Class Progress Dashboard

## Class Progress


[Settings](#)[Help](#)

Filter to: All Users ▾

Name ▲	Content	Discussions	Logins	Grades
 <b>Allen, Brittany</b> Brittany.Allen 874236	<div><div></div></div> <div>36 % Visited: 36 / 101</div>	0 read 11 threads 37 replies	No logins	<div><div></div></div> <div>85.93 %</div>
 <b>Anderson, Roger</b> Roger.Anderson 567218	<div><div></div></div> <div>17 % Visited: 17 / 101</div>	2 read 7 threads 7 replies	No logins	<div><div></div></div> <div>35.68 %</div>
 <b>Aubren, Lucas</b> Lucas.Aubren 987152	<div><div></div></div> <div>18 % Visited: 18 / 101</div>	0 read 6 threads 4 replies	No logins	<div><div></div></div> <div>40.4 %</div>
 <b>Bell, Madison</b> Madison.Bell 456987	<div><div></div></div> <div>22 % Visited: 22 / 101</div>	133 read 11 threads 25 replies	No logins	<div><div></div></div> <div>47.38 %</div>
 <b>Briston, Turner</b> turner.briston 677865	<div><div></div></div> <div>12 % Visited: 12 / 101</div>	0 read 11 threads 21 replies	No logins	<div><div></div></div> <div>40.09 %</div>
 <b>Brown, Clara</b> Clara.Brown 987654	<div><div></div></div> <div>24 % Visited: 24 / 101</div>	142 read 11 threads 23 replies	No logins	<div><div></div></div> <div>41.8 %</div>
 <b>Campbell, Mila</b> Mila.Campbell 094842	<div><div></div></div> <div>13 % Visited: 14 / 104</div>	39 read 15 threads 17 replies	No logins	<div><div></div></div> <div>34.87 %</div>

# User Progress Dashboard

[Class Progress](#) > [Madison Bell](#) > [Content](#)



**Bell, Madison**  
Madison.Bell  
456987

< >

Intro to HTML and CSS

Summary

Grades

Objectives

**Content**

Discussions

Dropbox

Quizzes

Checklist

Surveys

Course Access

Login History

## Content Progress

# Visits   Time Spent   Topics Visited

73   0d 12h 30m 39s   22

22 %   Visited: 22 / 101

Table of Contents

**The First Step**

9 %

Completed: 1 / 11

11 Topics, 0 Modules

Last Visited: Feb 3, 2013 1:55 PM

**Exploring the Web**

0 %

Completed: 0 / 11

0 Topics, 11 Modules

Never visited

**Page Structure**

100 %

Completed: 12 / 12

12 Topics, 0 Modules

Last Visited: May 13, 2013 9:34 AM

**Class Project**

100 %

Completed: 1 / 1

1 Topics, 0 Modules

Last Visited: May 22, 2013 7:39 AM

Set display indicators for table on Class Progress dashboard.

## Settings

Set which indicators display in the table on the Class Progress dashboard. Numerical order represents the reading order of the indicator columns in the table.

1.

65 %   Completed: 55 / 85

Content Completion Summary

▼

The Content Completion Summary indicator shows how many required content topics each student has completed.
2.

Completed: 5/8

Objectives Completion Summary

▼

The Objectives Completion Summary indicator displays each student's progression through the course.

Move up

Move down

Replace
3.

Logins: 104

Login History ( Last 30 days )

▼

The Login History indicator displays the number of logins to the system for the last 30 days.
4.

81 %

Grades Performance Summary

▼

The Grades Performance Summary indicator presents the current final grade for the student, as well as a visualization of the scores of the last 15 items. Hovering over each bar provides additional details for the grades.





# In-Line Tool Reports and Statistics

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# Content Tool > Content Reports

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Content > Table of Contents > Related Tools > View Reports  
(original content experience)



Key statistics for all content  
items delivered to students

the total number of users,  
the number of users who visited course content,  
and  
the average time users spent viewing content.



You can view overall course content statistics, and specific  
statistics for individual topics.



# Reports

 **Statistics**

 **Feedback**

 **SCORM Reports**

Export Statistics

Reset Statistics

# Content Reports

Content

Users

Total Number of Users

40 ?

Users Who Have Visited Content





40 ?

Average Time Spent on Content

21:10:44 ?

[Expand All](#)

[Collapse All](#)

Content	Available To	Users Visited	Average Time Spent
▼ 1. Syllabus	40	40	0:48:25
i.  Syllabus EDU 2022	40	40	0:52:19
ii.  Course Outline	40	21	0:23:01
▼ 2. Week 1 	40	36	-
i. Week 1 Readings	40	0	-
▼ ii. Week 1 Video	40	33	0:05:32
I.  7 Ways   The ISTE Standards for Students Music Video	40	33	0:05:32

# Discussion Forum Statistics


[Users](#) Forums and Topics

## Org Unit Statistics

Total Threads (All Forums): 3  
Total Replies (All Forums): 4  
Unapproved Posts: 0

## User Statistics

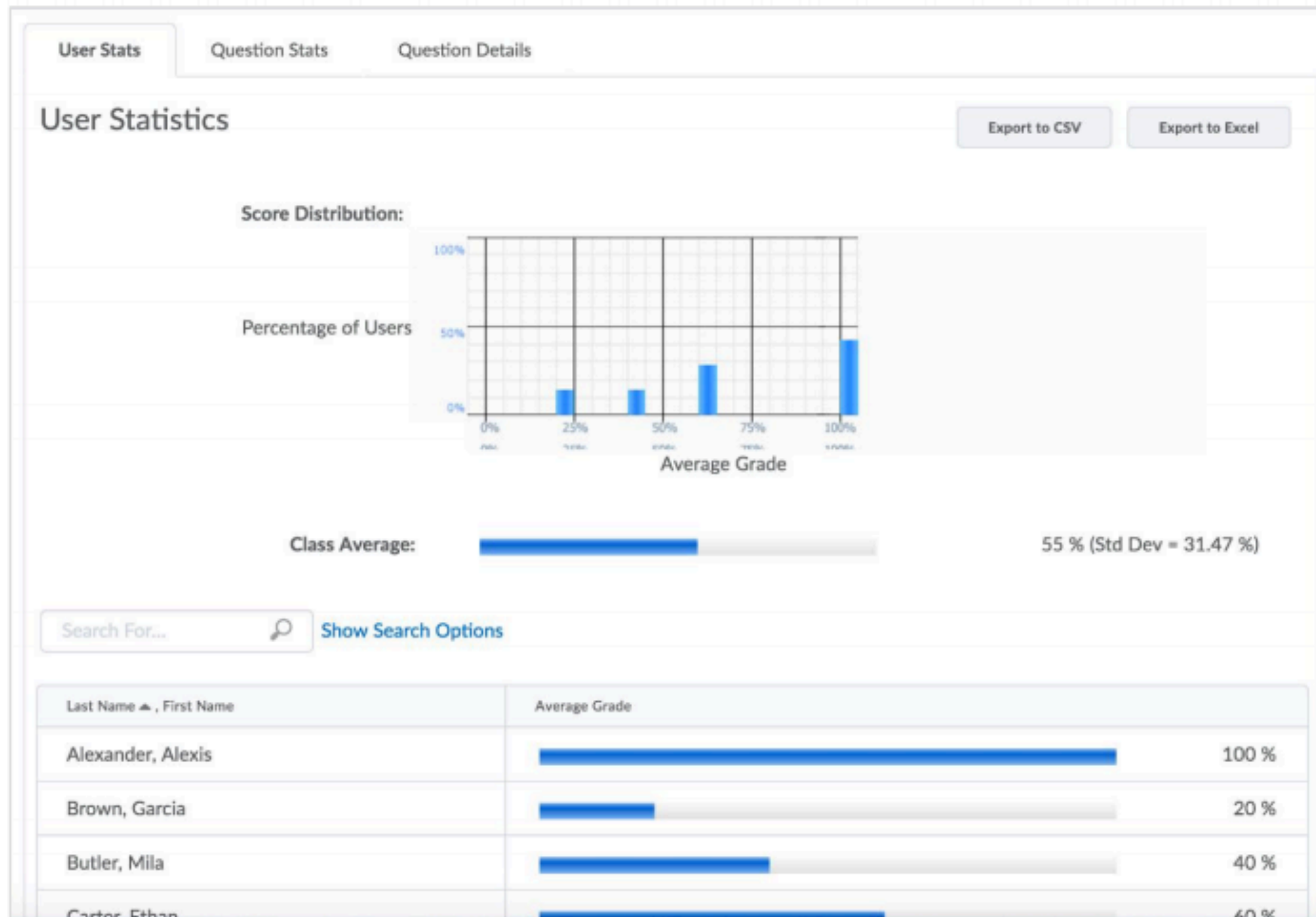
View By: User ▼ Apply

 [Show Search Options](#)

Last Name ▲ , First Name	Number of Posts				
	Threads	Replies	Read (including own)	Unapproved	Scored
<a href="#">Alexander, Alexis</a>	0	0	0	0	0
<a href="#">Brown, Garcia</a>	0	0	5	0	0
<a href="#">Butler, Mila</a>	1	1	7	0	0
<a href="#">Carter, Ethan</a>	1	3	7	0	0
<a href="#">Carter, Lyle</a>	0	0	0	0	0
	0	0	0	0	0

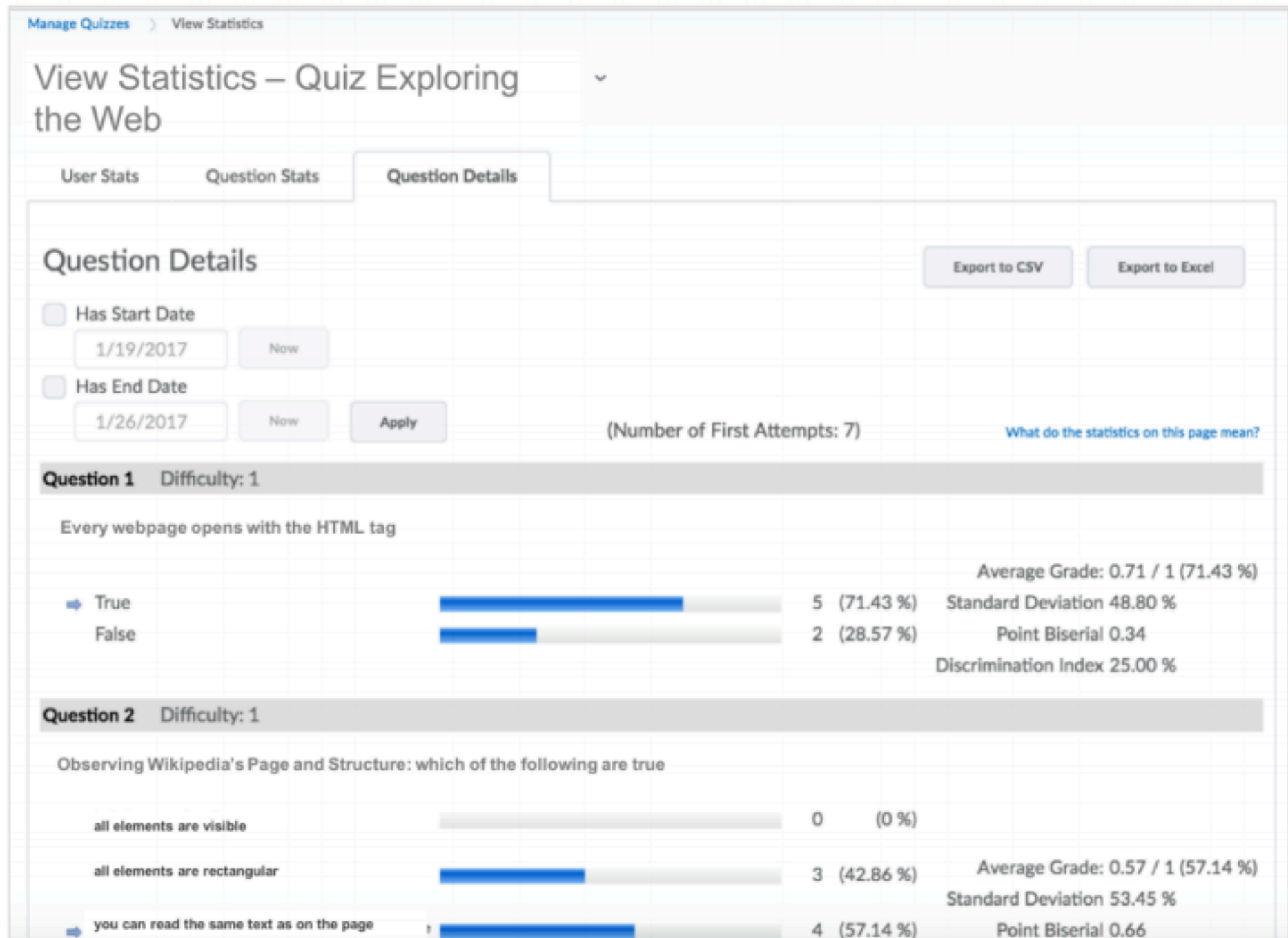
# Quiz Statistics

## - User Stats



# Quiz Statistics

## Question Details



# Grade Statistics

## Item Statistics: Assign: Analyzing Training Needs

Class Statistics

User Statistics

View By: User

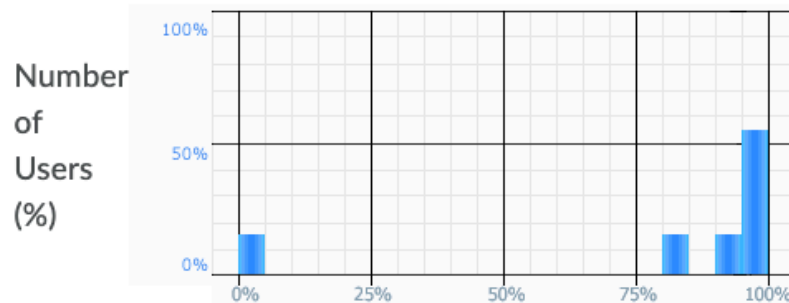
Apply

### Assign: Analyzing Training Needs Class Statistics

Number of submitted grades: 20 / 20



### Grade Distribution



Grade Received (%)

# Final Grade Statistics

## Grade Frequency

Start %	Symbol	Frequency		
0	F	3	15 %	<div><div></div></div>
59.5	D	2	10 %	<div><div></div></div>
69.5	C	6	30 %	<div><div></div></div>
79.5	B	1	5 %	<div><div></div></div>
89.5	A	8	40 %	<div><div></div></div>

## Final Grade Statistics: Final Calculated Grade

## Class Statistics

## User Statistics

View Statistics For

Final Calculated Grade ▼

View By: User 

## Apply

### Final Calculated Grade Class Statistics

Number of submitted grades: 20 / 20

Minimum:  F (12.5 %)

Maximum:  A (99.5 %)

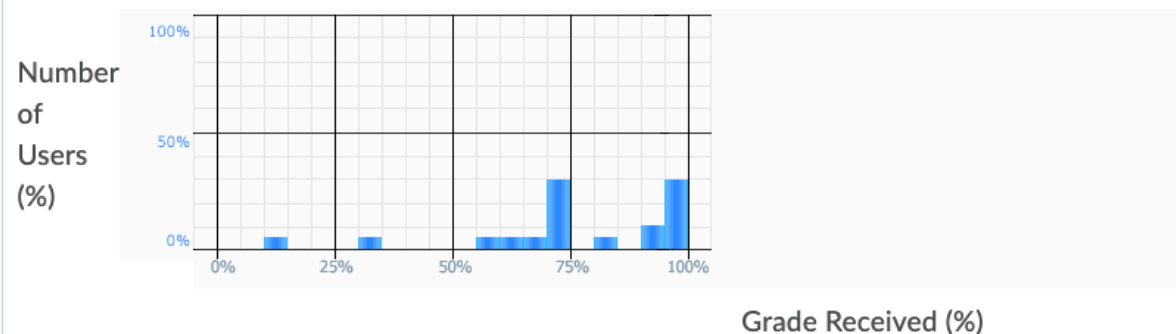
Average: C (76.2 %)

Mode: None

Median: C (74.6 %)

Standard Deviation: F (22.5 %) ?

## Grade Distribution





# Rubric Statistics

Overall Criteria Statistics Individual Statistics

## General Statistics for 'HTML Website Design Rubric'

Number of Assessments

41

Average

Competent

Mode

Accomplished

Overall Level

Frequency

Exemplary	22 %	<div></div>
Accomplished	32 %	<div></div>
Competent	24 %	<div></div>
Needs Improvement	22 %	<div></div>
Beginning	0 %	<div></div>

Close

Overall Criteria Statistics Individual Statistics

## Criteria Score Frequency for 'HTML Website Design Rubric'

Expand All Collapse All

Criteria	Frequency	
<input checked="" type="checkbox"/> Layout and Design		
Exemplary	22 %	<div></div>
Accomplished	32 %	<div></div>
Competent	24 %	<div></div>
Needs Improvement	12 %	<div></div>
Beginning	10 %	<div></div>
<input checked="" type="checkbox"/> Website Navigation		
Exemplary	15 %	<div></div>
Accomplished	27 %	<div></div>
Competent	20 %	<div></div>
Needs Improvement	29 %	<div></div>
Beginning	10 %	<div></div>
<input checked="" type="checkbox"/> Incorporation of Audio and Video		
Exemplary	15 %	<div></div>
Accomplished	22 %	<div></div>
Competent	22 %	<div></div>
Needs Improvement	29 %	<div></div>
Beginning	12 %	<div></div>

Close



Using other  
D2L tools for  
data  
collection

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# Intelligent Agents for Data Collection

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Can generate a report when a defined activity occurs or does not occur.



Can attach release conditions.



Can generate report for combination of activities.



Report can be automated or manually run.

# Survey the Students



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# Insights for Instructors

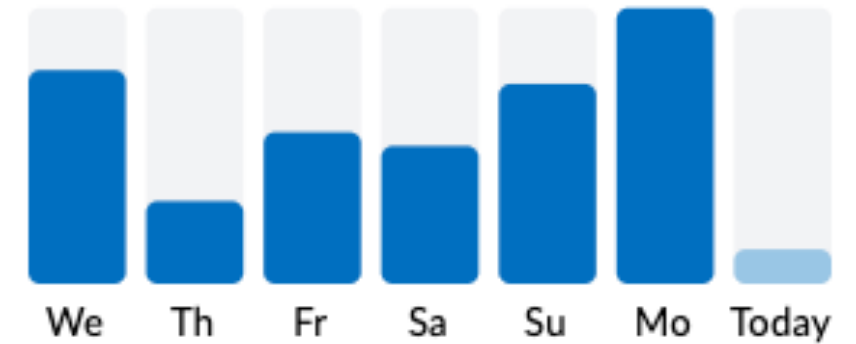
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- In-course Insights reporting was built for Instructors to answer questions in a visual way directly in their courses through the Course Overview Widget and Class Engagement Dashboard.

# Course Overview Widget

- Provides a view of course access over the past week.
- Can be added to the course homepage by the instructor.
- Provides easier access to analytics about learners and courses
- Displays high-level aggregate information about the course and links to course-specific Brightspace Insights reports

## Course Overview ▾



5 people visited this course today.

No quizzes have been submitted today.

[Class Engagement](#)

[Course Access](#)

[Tool Access](#)



Course  
Overview  
Widget

Class  
Engagement

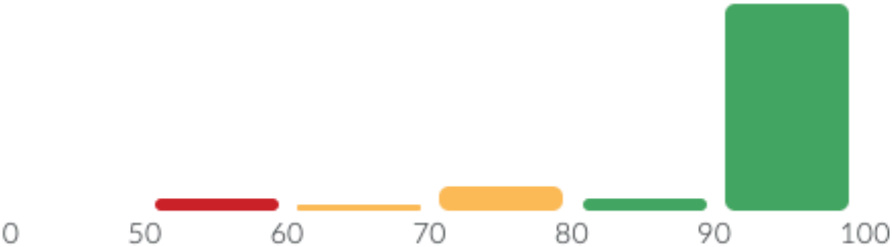
Can also be  
accessed  
through the  
Classlist

Class Engagement

0

students have not  
visited this course in  
the past 7 days.

Grade Distribution



Email Class

Search Students...



<input type="checkbox"/>	Name▼	Current grade	Last visited	Discussions	
<input type="checkbox"/>		● 89%	a day ago March 8	4 Threads	10 Replies
<input type="checkbox"/>		● 97%	an hour ago March 9	5 Threads	10 Replies

# Course Overview Widget

## Course Access

### Course Access

Number of users who accessed "EDU2022JAL202130 - EDU 2022 JAL Spring 2021 Combined Sections" per day

Export to XLSX

Export to CSV

Start Date

03/03/2021

End Date

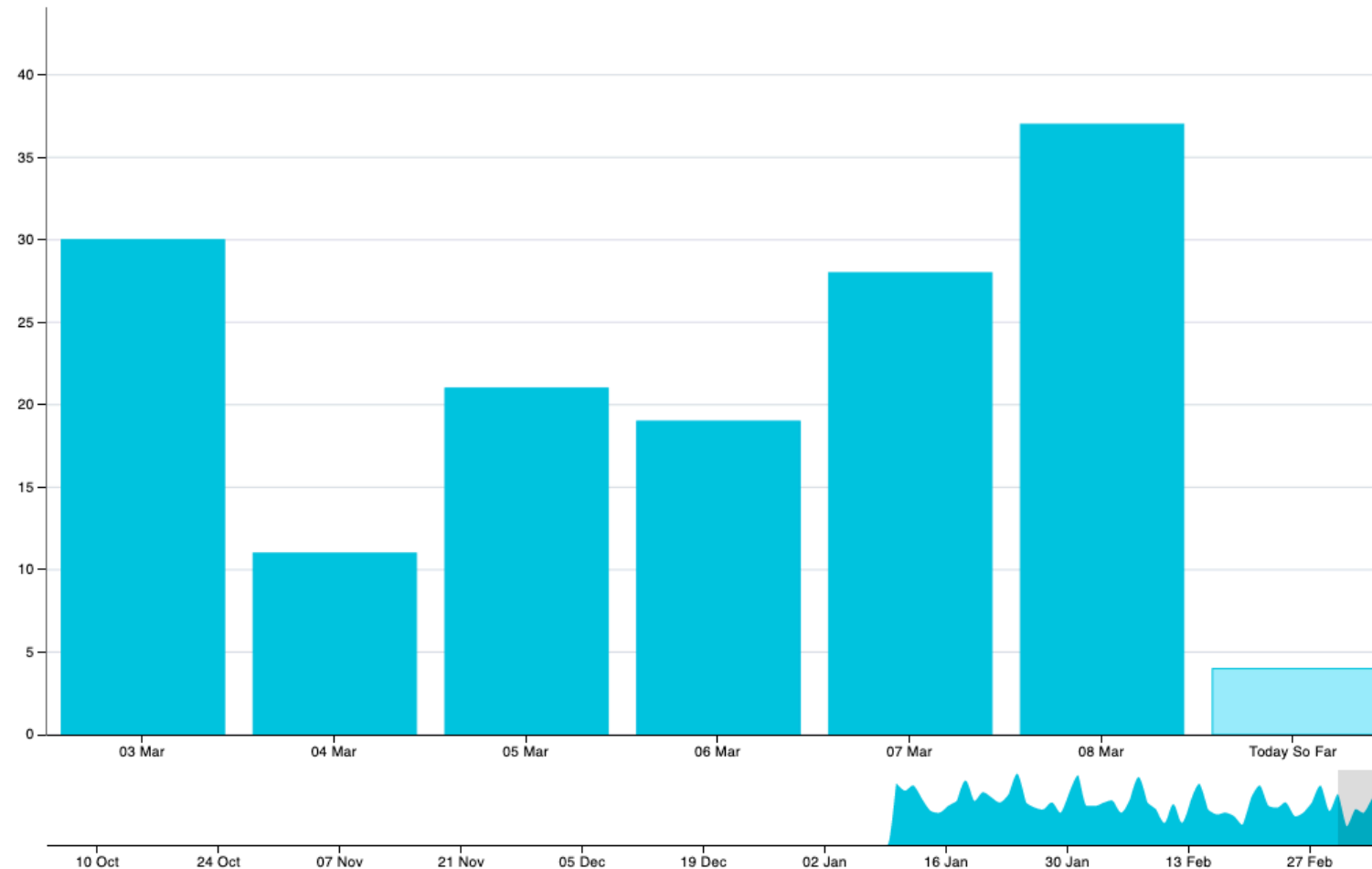
03/09/2021

Role

☐ All Roles

- ☐ APlusermanagment
- ☐ AdminUsersOnly
- ☐ Administrator
- ☐ D2LEndUserSupport
- ☐ ExamSoft SVC
- ☐ Help Desk
- ☐ Instructor with Insights
- ☐ InstructorCascade
- ☐ RedShelf API v2
- ☒ Student
- ☐ Unknown Roles

Roles included: Student



From March 03, 2021 - March 09, 2021

Times shown are in time zone: America/Chicago

150

access events occurred

# Course Overview Widget

## Tool Access

### Tool Access - Course Report

Interactions per tool for EDU 2022 JAL Spring 2021  
Combined Sections - EDU2022JAL202130

Export to XLSX

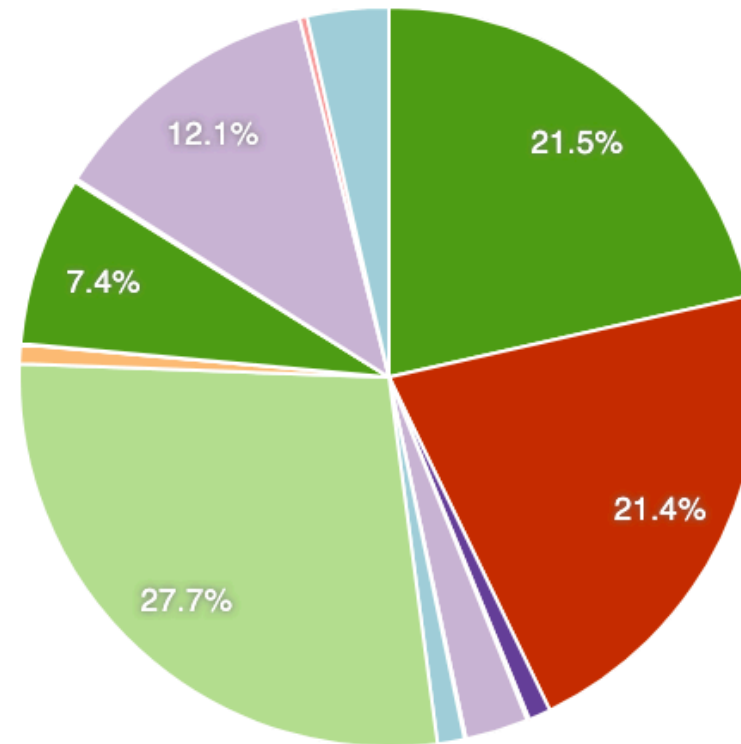
Export to CSV

Time Span

Last 12 months

Roles included: Student

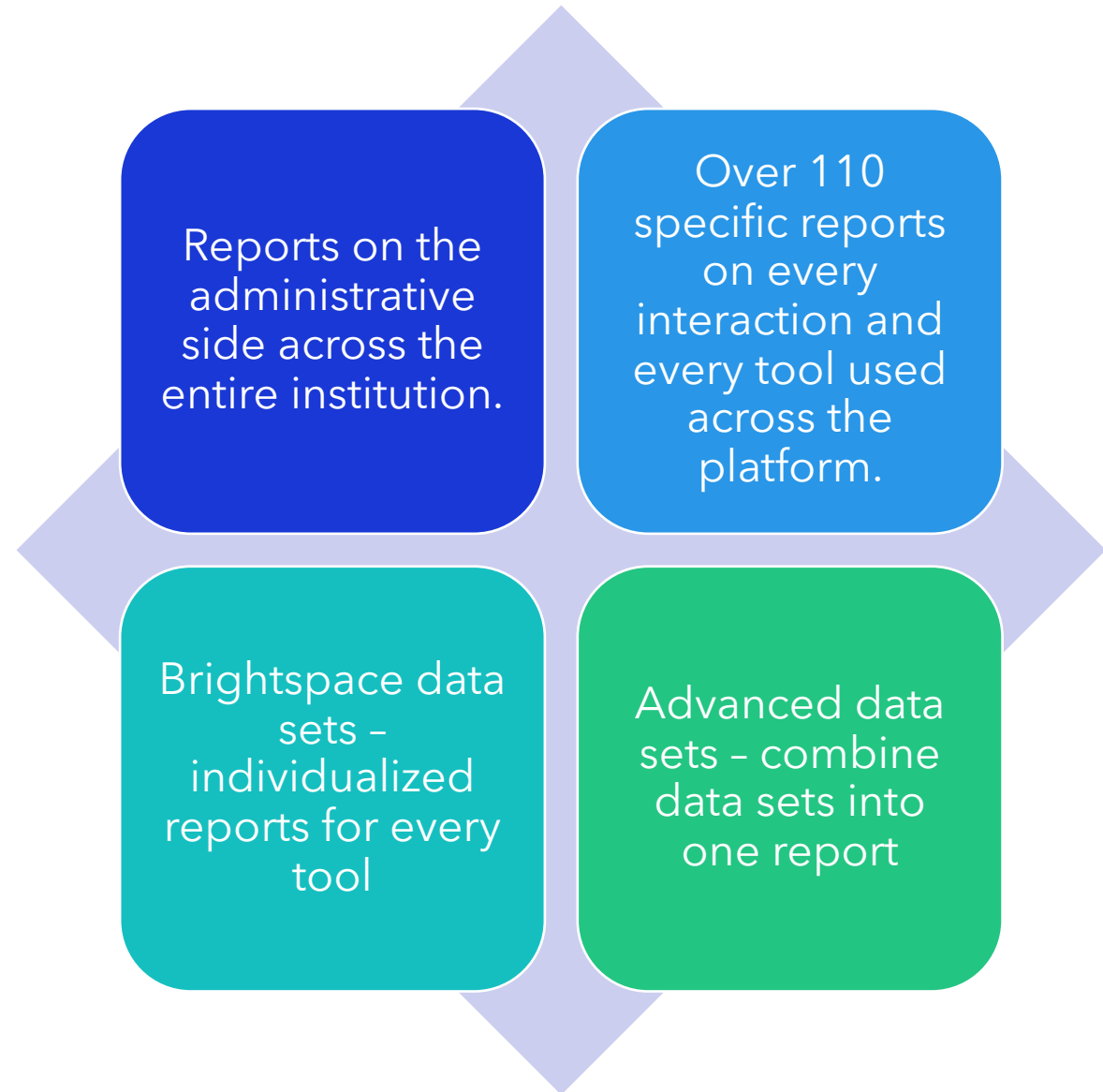
March 1, 2020 – March 9, 2021



Role

- ☐ All Roles
- ☐ Administrator
- ☐ AdminUsersOnly
- ☐ Instructor with Insights
- ☐ InstructorCascade
- ☒ Student
- ☐ D2LEndUserSupport
- ☐ APIusermanagement
- ☐ RedShelf API v2
- ☐ Help Desk
- ☐ ExamSoft SVC
- ☐ Unknown Roles

# Data Hub





# Insights Portal

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Creates visualization for data available in the data hub

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Based on role-based permissions to deliver data relevant to you.

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Provides data for all your courses.

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Pre-built visualizations

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Ability for admin to build custom reports

# Engagement Dashboard

The Engagement Dashboard contains reports that allow instructors to pinpoint where to intervene by making it easy to identify “at risk” groups or individuals. The ability to drill down to an individual with details on their engagement provide instructors with context to intervene when necessary.

- Overdue Assignments
- Discussion Activity
- System Access
- Current Grade
- Time in Content vs. Grade
- Course Access



## Summary View

## Results

41

Users returned within results.

## Overdue Assignments

40

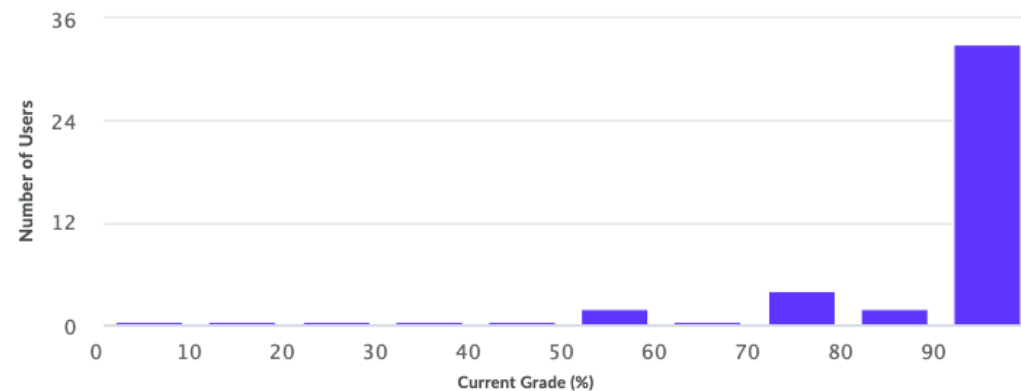
Users currently have one or more overdue assignments.

## Discussion Activity

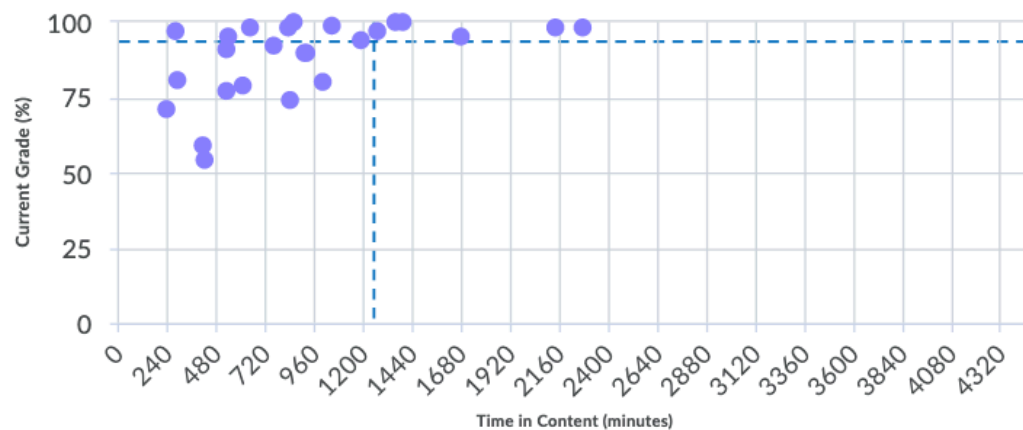


Threads  
Replies  
Reads

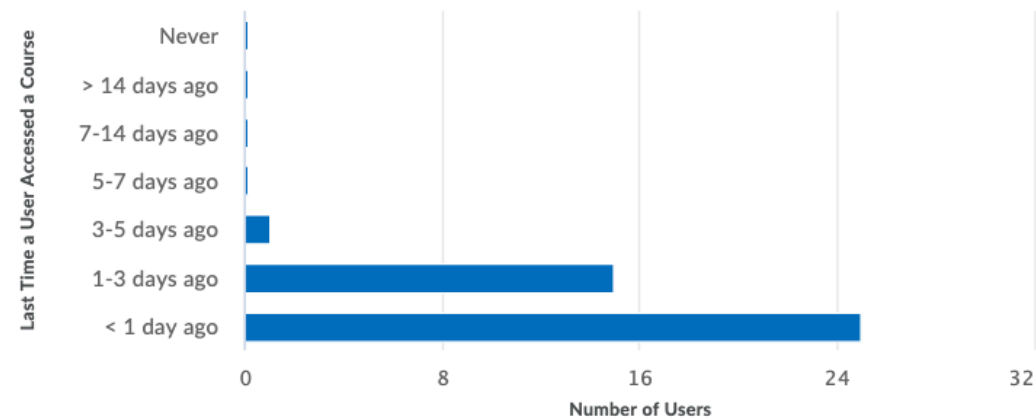
## Current Grade



## Time in Content vs. Grade



## Course Access





## Coming Soon Assessments Quality Dashboard

Measure the quality of the assessment activities such as quizzes, assignments and discussions across Brightspace. Allows users to understand the quality of assessments using quiz and question statistics such as reliability, average grade, and correlation for all quiz and question types (except question pools). This dashboard includes visualizations for quiz and question statistics.

- Quiz Reliability and Quiz Item Analysis
- Average Grade
- Reliability
- Discrimination index
- Point biserial



# Self-Serve Analytics

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- Self-Serve Analytics (SSA) allows designated users to dig deeper into data and visualizations using Brightspace Data Sets, without the complexity of having to work directly with a data warehouse.
- Users with permissions to a report can launch this feature directly from the Insights Portal to access report authoring or viewing.
- Reports can be set up for departments or colleges by the D2L administrator.

# Data Analysis & Course Design Support

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For assistance interpreting the data from your course or for course design recommendations, contact:

Dr. Lu Ding, Instructional Designer

Faculty Development and Innovation Center

[lding@eiu.edu](mailto:lding@eiu.edu)

# Support for D2L

- D2L support page: <http://www.eiu.edu/d2lsolutions>
- For technical support,
  - Call 217-581-HELP (4357),
  - email [support@eiu.edu](mailto:support@eiu.edu), or
  - contact the Instructional Support Specialist (ISS) for your department.

# Q & A



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What are your questions?