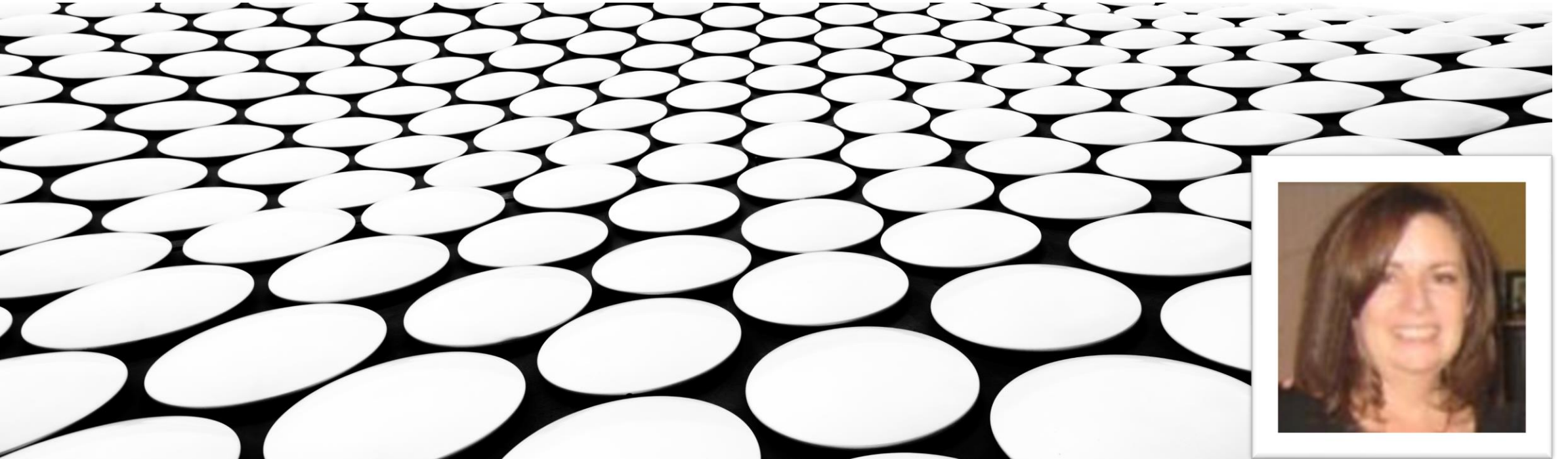


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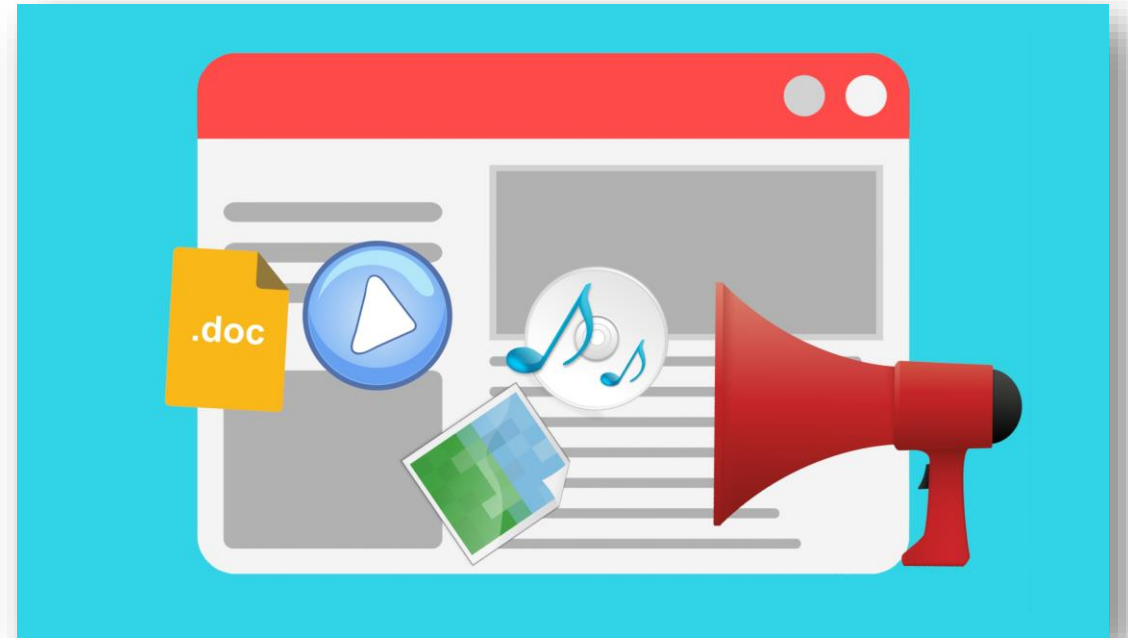
# LEVERAGING D2L COURSE DATA

TEACHING AND LEARNING CENTER



## WHAT WE PLAN TO COVER TODAY

- Various places within a D2L course to access analytics and statistics.
- Strategic planning for intervention based on course data.
- Looking for trends in late/missing submissions or quiz questions/responses.



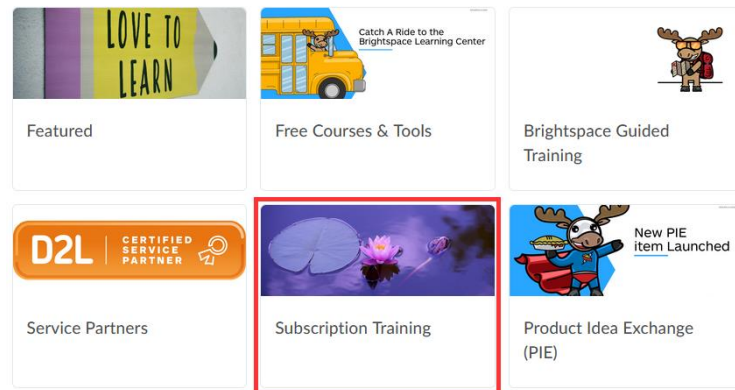
# HELP RESOURCES FOR FACULTY

## Chat with D2L Support 24/7



<https://community.brightspace.com/helpdesk/s/>

## D2L Paid Subscription Training



<https://tl.ssc.edu/tag/subscription-training/>

## SSC Teaching and Learning Center



<https://tl.ssc.edu/calendar>.  
Email: [ssconline@ssc.edu](mailto:ssconline@ssc.edu)  
for one-on-one training

---

# WHY IS IT IMPORTANT TO LOOK AT STUDENT DATA WITHIN A COURSE?

- Certain statistics can be extremely helpful when determining the best way to help students stay on track and reach their goals.
- Confirms Instructor's "gut" feeling with data.
- Provides an opportunity for instructors to tweak and adjust their content during the term.
- Determine whether students are engaged or disengaged with course material.

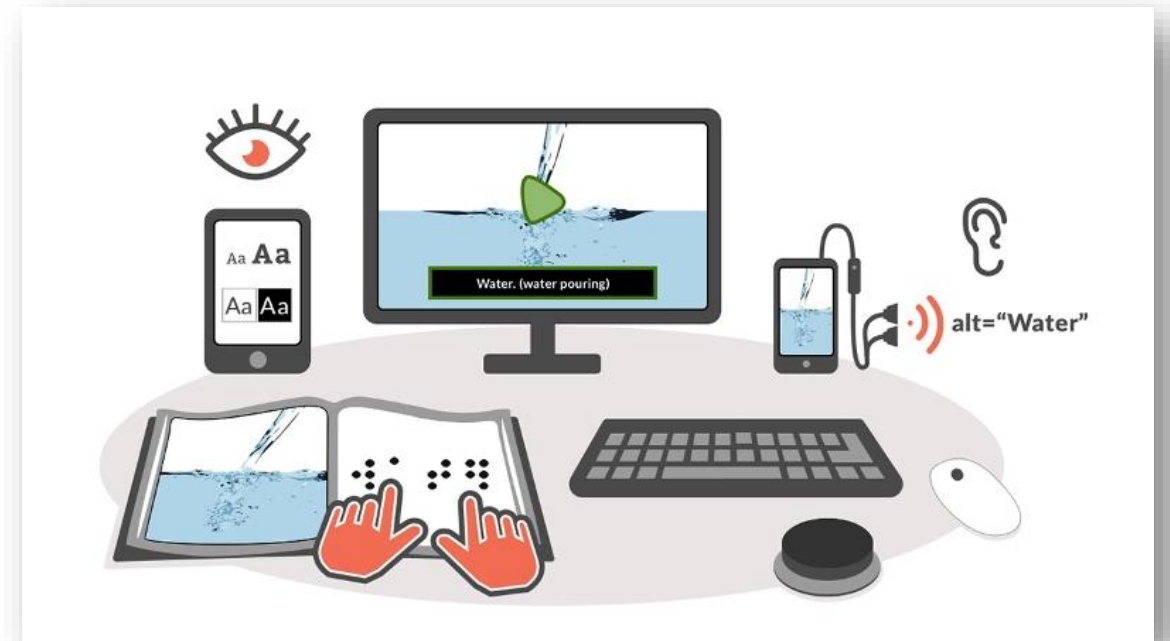


## PROS AND CONS OF COURSE DATA IN D2L?

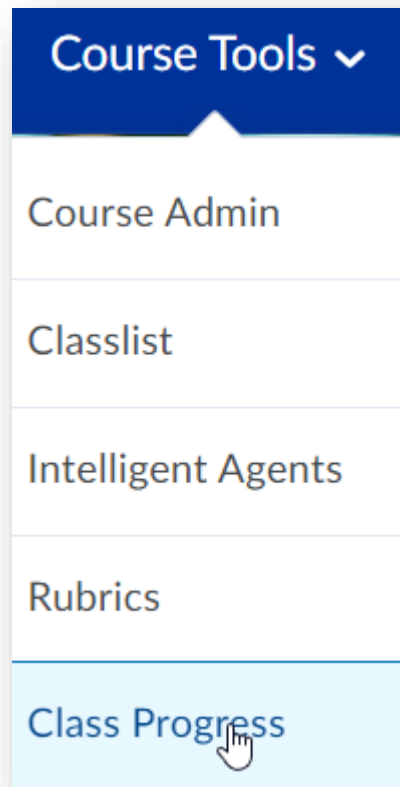
**Pro:** DL2 includes extensive data on student activity within your course.

### Cons:

- This can be overwhelming for instructors.
- Similar data found in different places.
- In D2L, there are actually **ELEVEN** different places to find course data....and counting.



# 1 - CLASS PROGRESS STATISTICS – WHERE TO FIND?



Name ▲	Content Completed	Logins	Grades	Content Visited
	<div><div></div></div> <div>1 % Completed: 1 / 95</div>	<div><div></div></div> <div>Logins: 8</div>	No grades	<div><div></div></div> <div>1 % Visited: 1 / 95</div>
	<div><div></div></div> <div>26 % Completed: 25 / 95</div>	<div><div></div></div> <div>Logins: 38</div>	<div><div></div></div>	<div><div></div></div> <div>24 % Visited: 23 / 95</div>
	<div><div></div></div> <div>28 % Completed: 27 / 95</div>	<div><div></div></div> <div>Logins: 30</div>	<div><div></div></div>	<div><div></div></div> <div>31 % Visited: 29 / 95</div>
	<div><div></div></div> <div>35 % Completed: 33 / 95</div>	<div><div></div></div> <div>Logins: 51</div>	<div><div></div></div>	<div><div></div></div> <div>24 % Visited: 23 / 95</div>
	<div><div></div></div> <div>20 % Completed: 19 / 95</div>	<div><div></div></div> <div>Logins: 264</div>	<div><div></div></div>	<div><div></div></div> <div>14 % Visited: 13 / 95</div>

# 1 - CLASS PROGRESS STATISTICS – AT WEEK 4

Name ▲	Content Completed	Logins	Grades	Content Visited
	<div><div></div></div> <div>1 % Completed: 1 / 95</div>	<div><div></div></div> <div>Logins: 8</div>	No grades	<div><div></div></div> <div>1 % Visited: 1 / 95</div>
	<div><div></div></div> <div>26 % Completed: 25 / 95</div>	<div><div></div></div> <div>Logins: 38</div>	<div><div></div></div>	<div><div></div></div> <div>24 % Visited: 23 / 95</div>
	<div><div></div></div> <div>28 % Completed: 27 / 95</div>	<div><div></div></div> <div>Logins: 30</div>	<div><div></div></div>	<div><div></div></div> <div>31 % Visited: 29 / 95</div>
	<div><div></div></div> <div>35 % Completed: 33 / 95</div>	<div><div></div></div> <div>Logins: 51</div>	<div><div></div></div>	<div><div></div></div> <div>24 % Visited: 23 / 95</div>
	<div><div></div></div> <div>20 % Completed: 19 / 95</div>	<div><div></div></div> <div>Logins: 264</div>	<div><div></div></div>	<div><div></div></div> <div>14 % Visited: 13 / 95</div>

## What can this data show us?

- One student has checked out.
- Do higher logins guarantee higher scores for students?
- Caution:
  - Some students login frequently, download material, then log off.
  - Some students login less, but review material while online – representing less logins.

# 1 - CLASS PROGRESS STATISTICS – AT WEEK 4

**Grades Progress**

Final grade not released

**Graded Items**

**Assignments**

- Feedback Last Modified: Feb 21, 2022 9:22 AM
- 5 Items Last Modified: Feb 21, 2022 9:22 AM

**Week 5: Assignment** 5 / 5 | 100 %

Feedback Last Modified: Feb 21, 2022 9:22 AM

**Week 4: Assignment** 5 / 5 | 100 %

Feedback Last Modified: Feb 13, 2022 9:37 AM

**Week 3: Assignment** 5 / 5 | 100 %

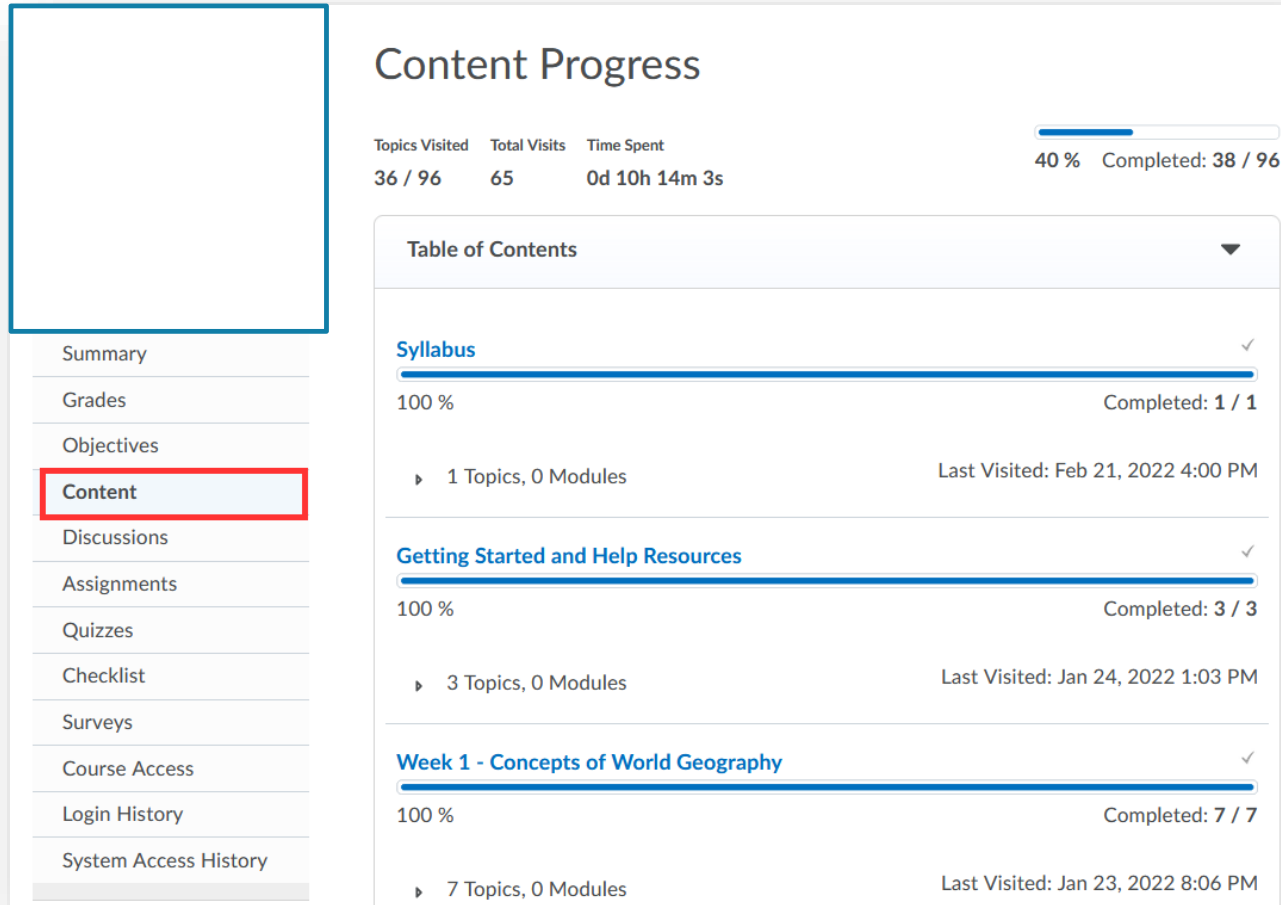
Feedback Last Modified: Feb 7, 2022 8:35 AM

## What does this data show us?

- Selecting Grades, provides more details on this student.
- This same data can be found in the Gradebook.



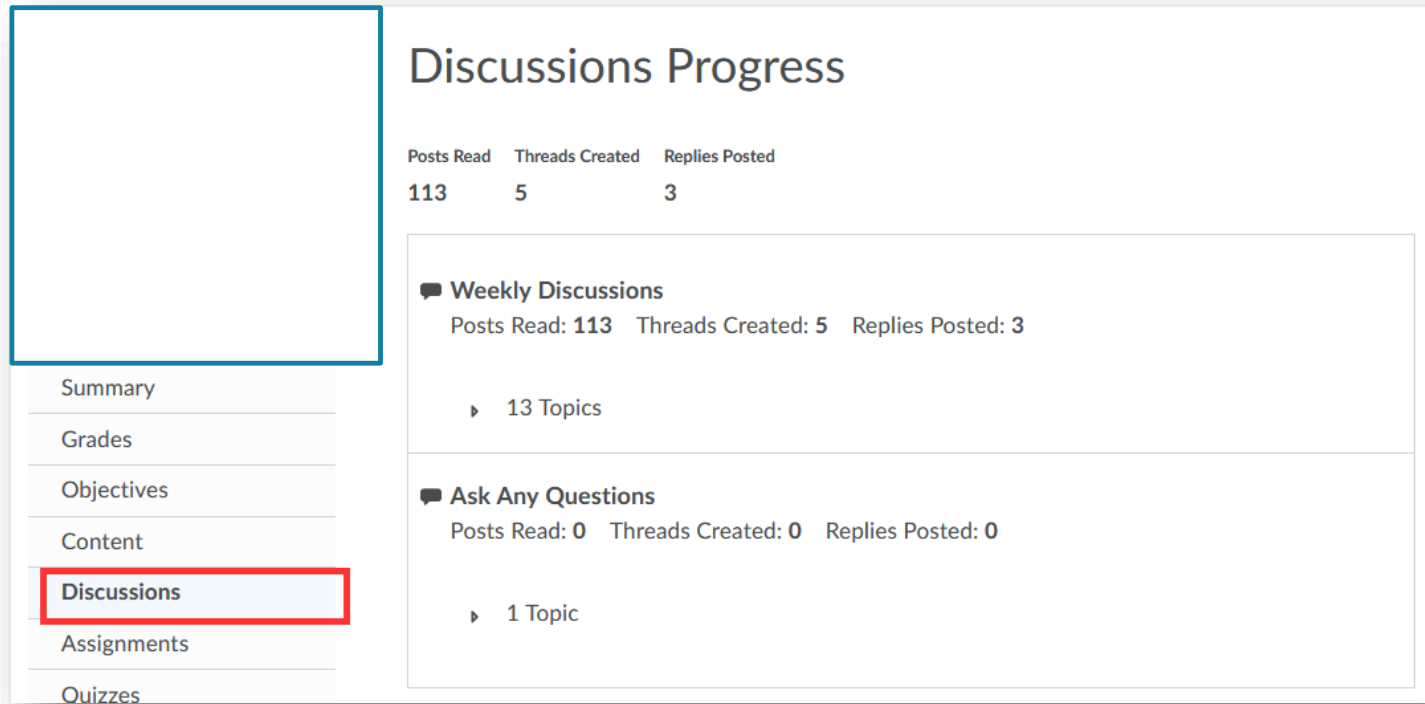
# 1 - CLASS PROGRESS STATISTICS – AT WEEK 4



## What does this data show us?

- Selecting Content, instructors see how the student is progressing through the weekly content.
- Check to see if students are skipping important content that may be needed for an assignment or quiz.

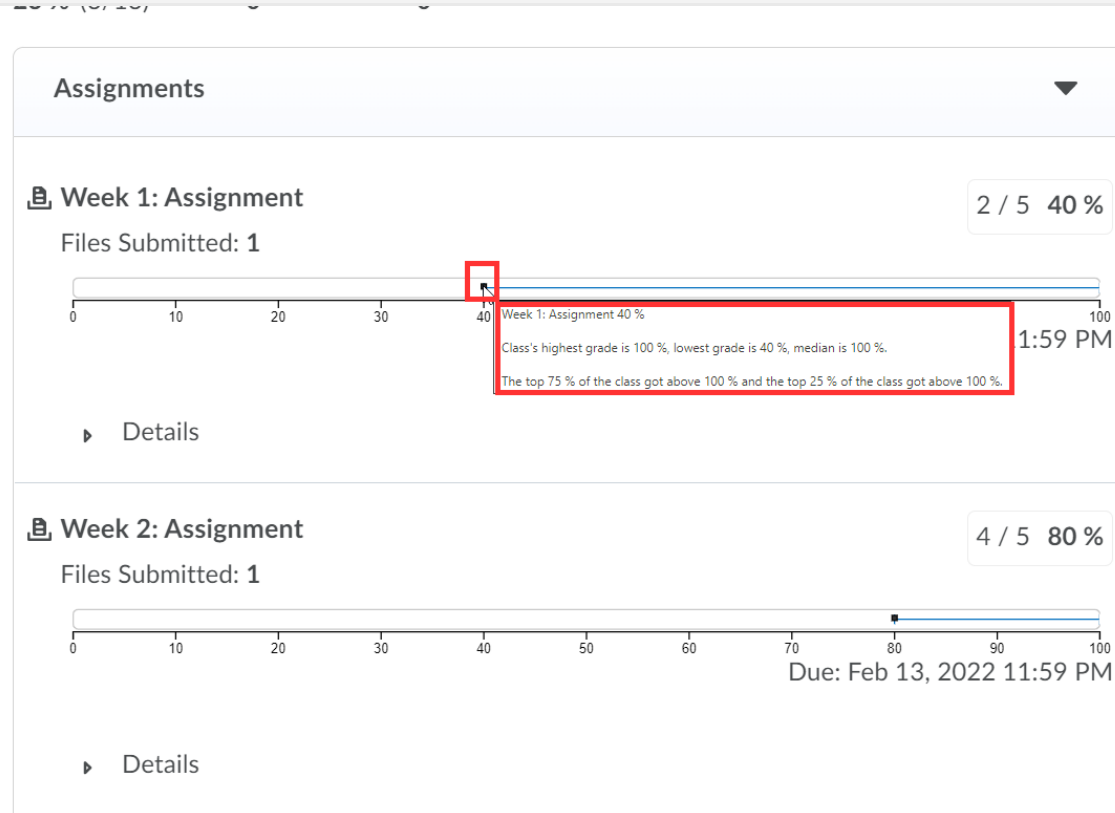
# 1 - CLASS PROGRESS STATISTICS – AT WEEK 4



## What does this data show us?

- Selecting Discussions provides a recap of how the students are progressing through discussions.
- It doesn't compare to other students, but you can see "at a glance" that this student is engaged and participating.

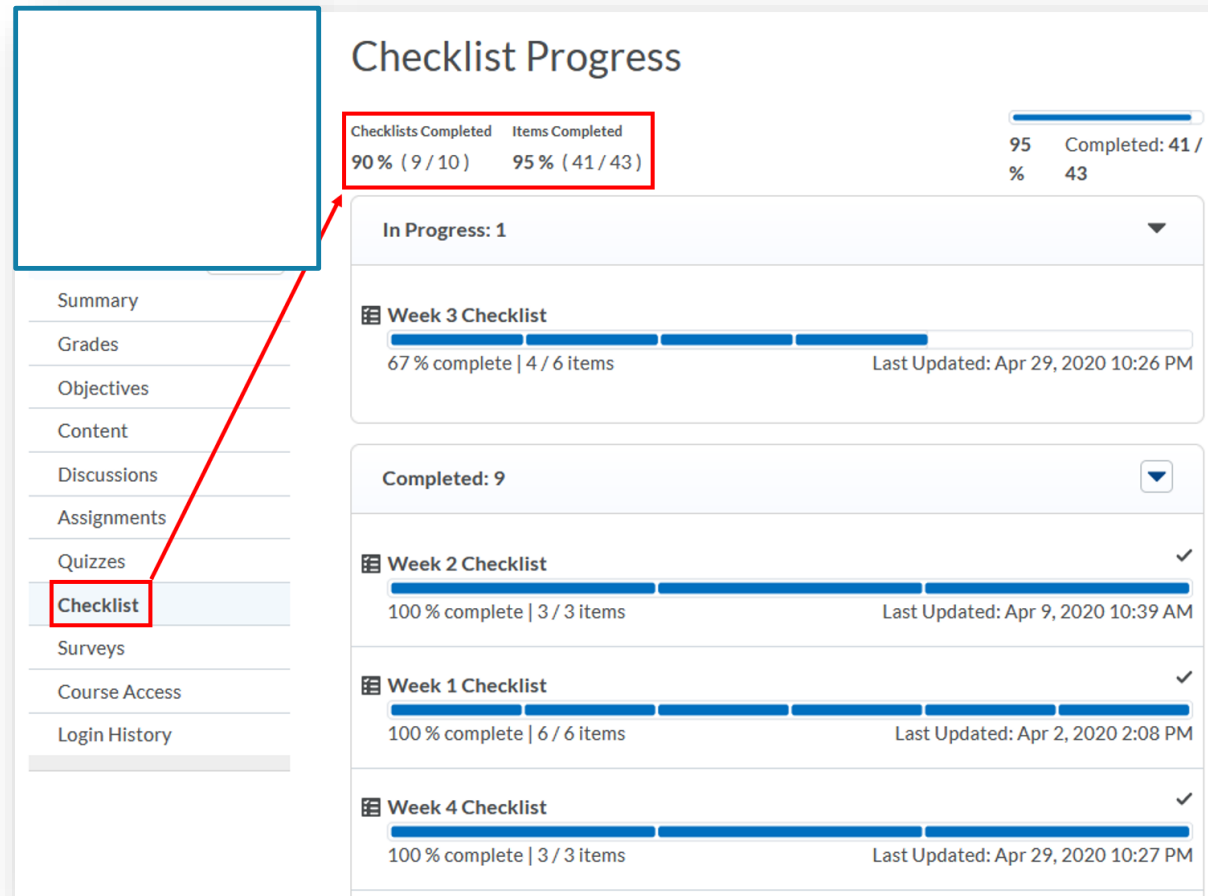
# 1 - CLASS PROGRESS STATISTICS – AT WEEK 4



## What does this data show us?

- Selecting Assignments, provides more details on this student.
- Selecting the small dot on the graph shows:
  - This student's score
  - Highest score and lowest score of the class
  - 75% of students scored 100%

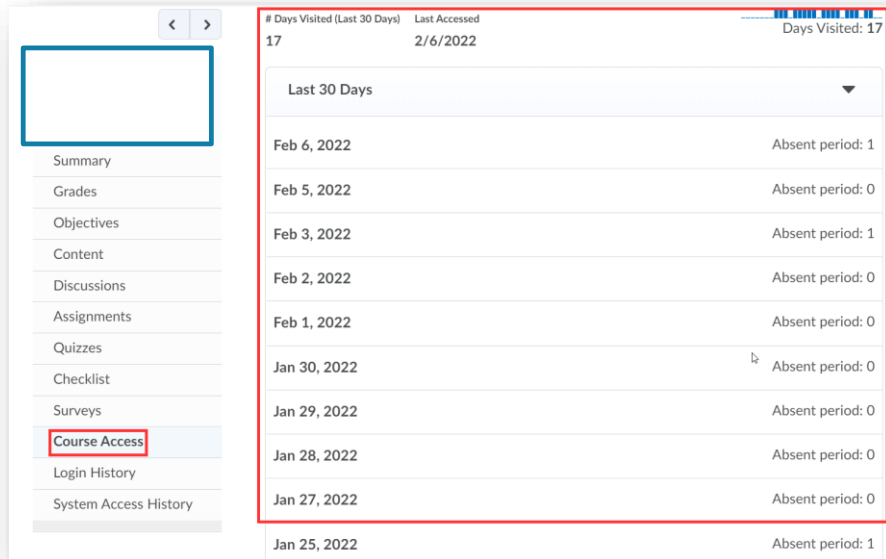
# 1 - CLASS PROGRESS STATISTICS – AT WEEK 4



## What does this data show us?

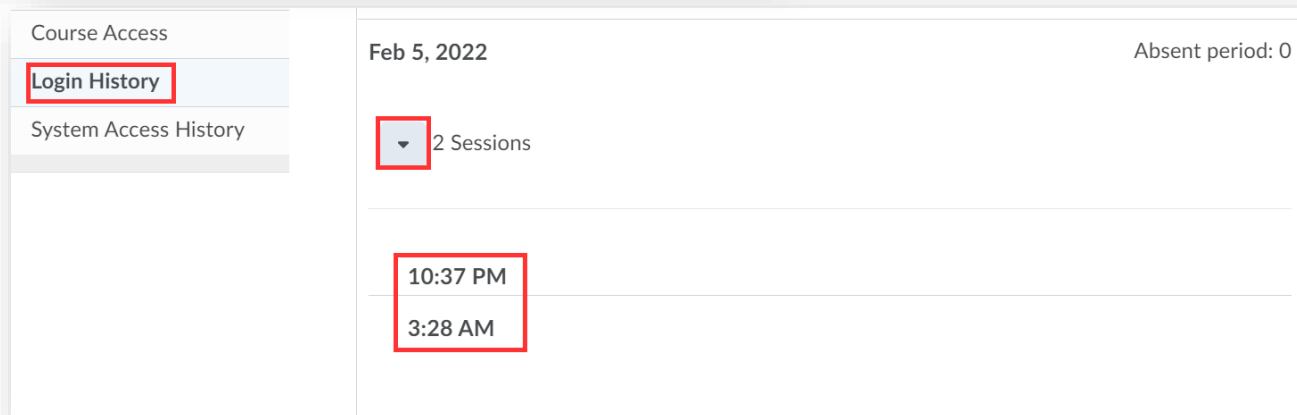
- D2L checklist provides for a “to do” list for students – great for final or research projects.
- Instructors create and student self-check what they completed.
- This is a great way to determine how far along a student is in a project.
- Students can see this data too under their individual class progress tool to self-access.

# 1 - CLASS PROGRESS STATISTICS – AT WEEK 4



## What does this data show us?

- Student logs in daily and sometimes multiple times per day.
- If a student was being kicked out of a timed quiz, this may be a way to confirm the student's login attempts during that time.



# 1 - CLASS PROGRESS STATISTICS – CUSTOMIZING THE REPORT

 Print

 Settings

 Help

## Progress Indicators to Include

Select which progress indicators to display in the User Progress report.

- ☒ Assignments
- ☒ Checklist
- ☒ Content
- ☒ Course Access
- ☒ Discussions
- ☒ Grades
- ☒ Login History
- ☒ Objectives
- ☒ Quizzes
- ☒ Surveys
- ☒ System Access History

## Color Indicators

On Track

70

% and Above



Some Concerns

60

% and Above



At Risk

0

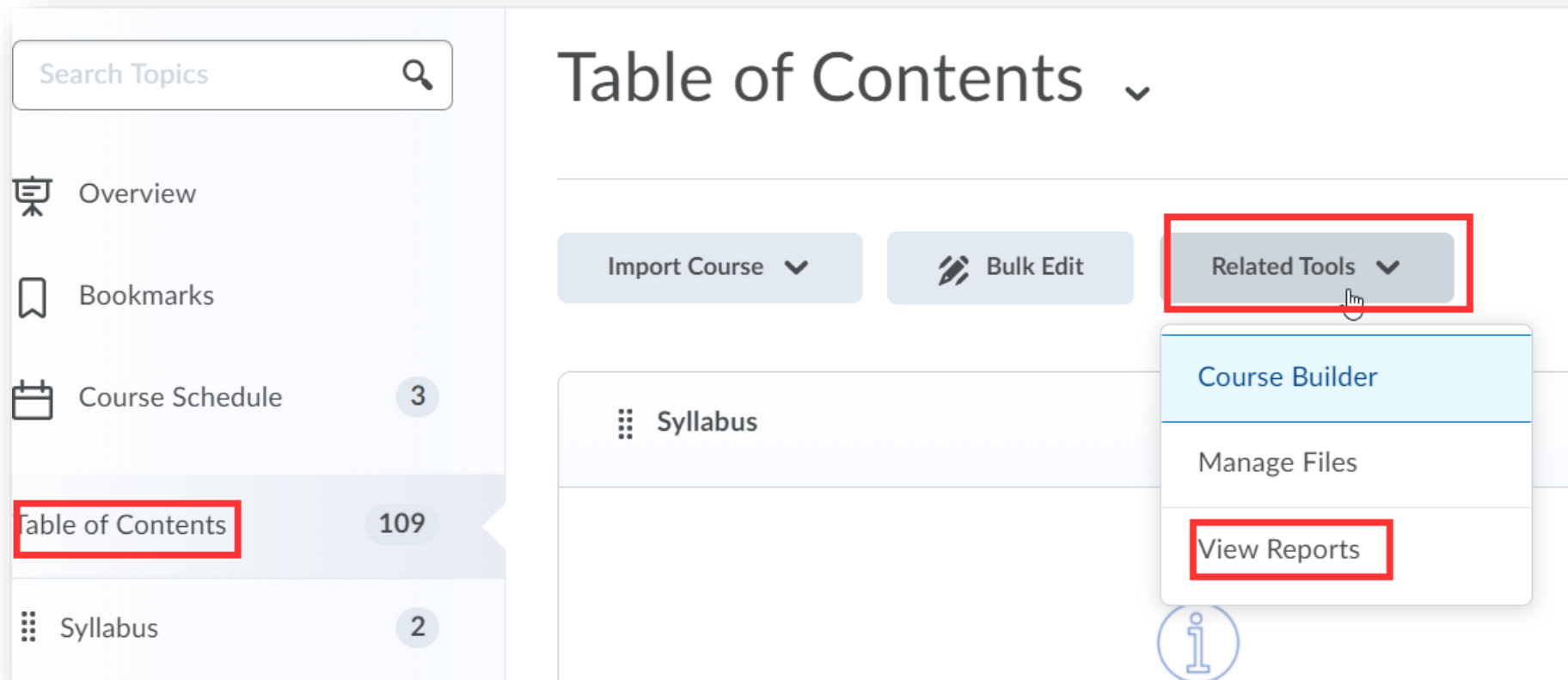
% and Above



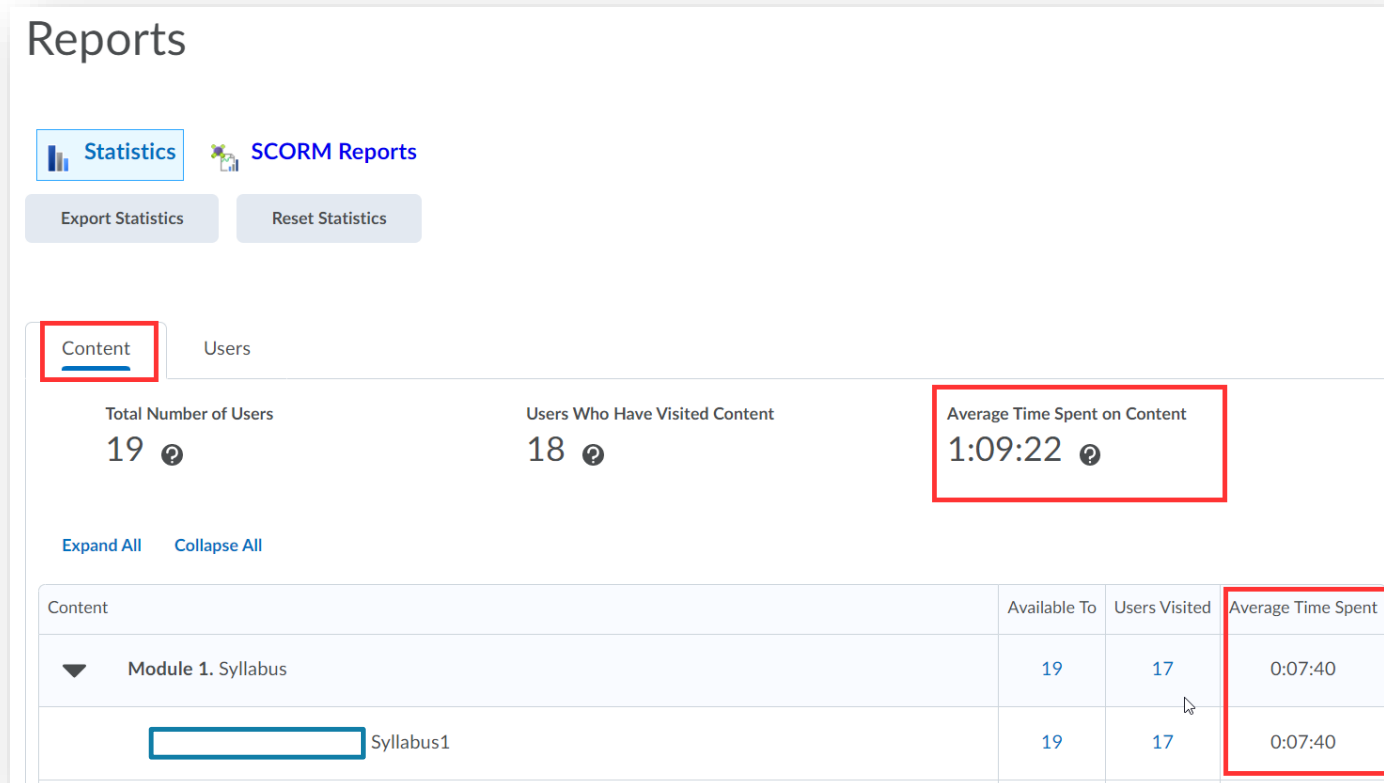
Save and Close

Cancel

## 2 – CONTENT REPORT STATISTICS – WHERE TO FIND?



## 2 – CONTENT REPORT STATISTICS – AT WEEK 4



### What can this data show us?

- Are students spending **more** time than expected on a particular content item?
- If so, confirm that everyone understands the topic.
- Are students spending **less** time on content that was very time consuming to create. Why? Is it engaging?
- Caution: Time spent in a D2L course may be less if using publisher content.



## 2 – CONTENT REPORT STATISTICS – AT WEEK 4

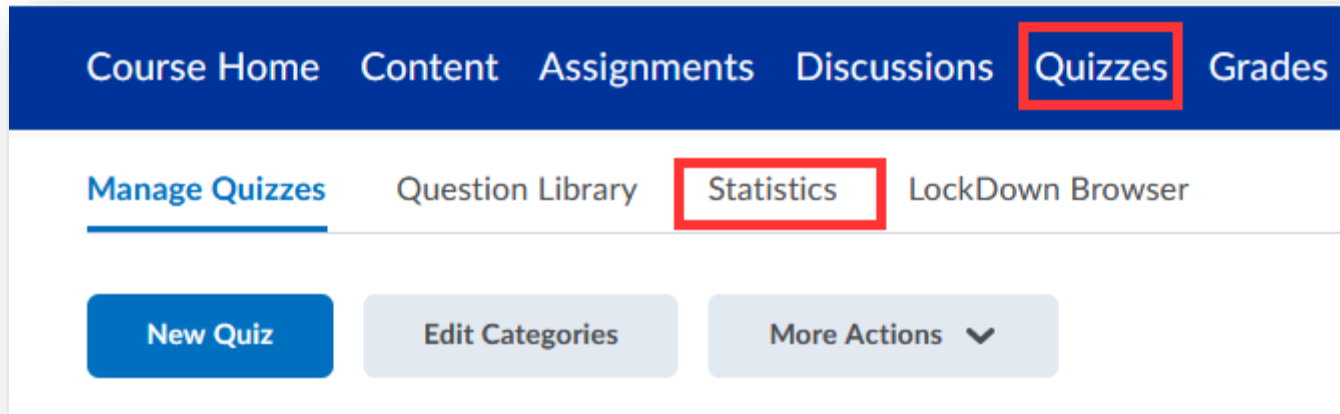
Last Name, First Name	Content Topics Available	Content Topics Visited
	96	15
	96	24
	96	21

Module 3. Week 1 - Concepts of World Geography	Yes	15	0:02:08	Jan 20, 2022 4:54 PM
i. Week 1: Overview	Yes	2	0:00:12	Jan 18, 2022 12:40 PM
ii. Week 1: Video - Globalization I - The Upside: Crash Course World History #41 (11:51)	Yes	1	0:14:14	Jan 20, 2022 1:42 PM
iii. Week 1: Video - Introduction to Geography and the Five Themes (12:51)	Yes	1	0:00:01	Jan 20, 2022 4:54 PM
iv. Week 1: Video - World Geography - Realms and Regions (7:21)	Yes	1	0:00:03	Jan 20, 2022 4:54 PM
v. Week 1 Assignment	Yes	5	0:00:10	Jan 20, 2022 4:53 PM
vi. Week 1: Discussion - Introduce Yourself	Yes	2	0:02:27	Jan 18, 2022 12:41 PM
vii. Week 1: Quiz	Yes	3	0:03:53	Jan 20, 2022 4:54 PM

### What can this data show us?

- Select a student's name to drill down on their individual data on content viewed and time spent on that content item.
- For this weekly module, this student spent the most time watching video embedded within the course (not a link to YouTube website).
- But this student didn't spend a lot of time on the other videos. Why is that?

### 3 – QUIZ STATISTICS – WHERE TO FIND?



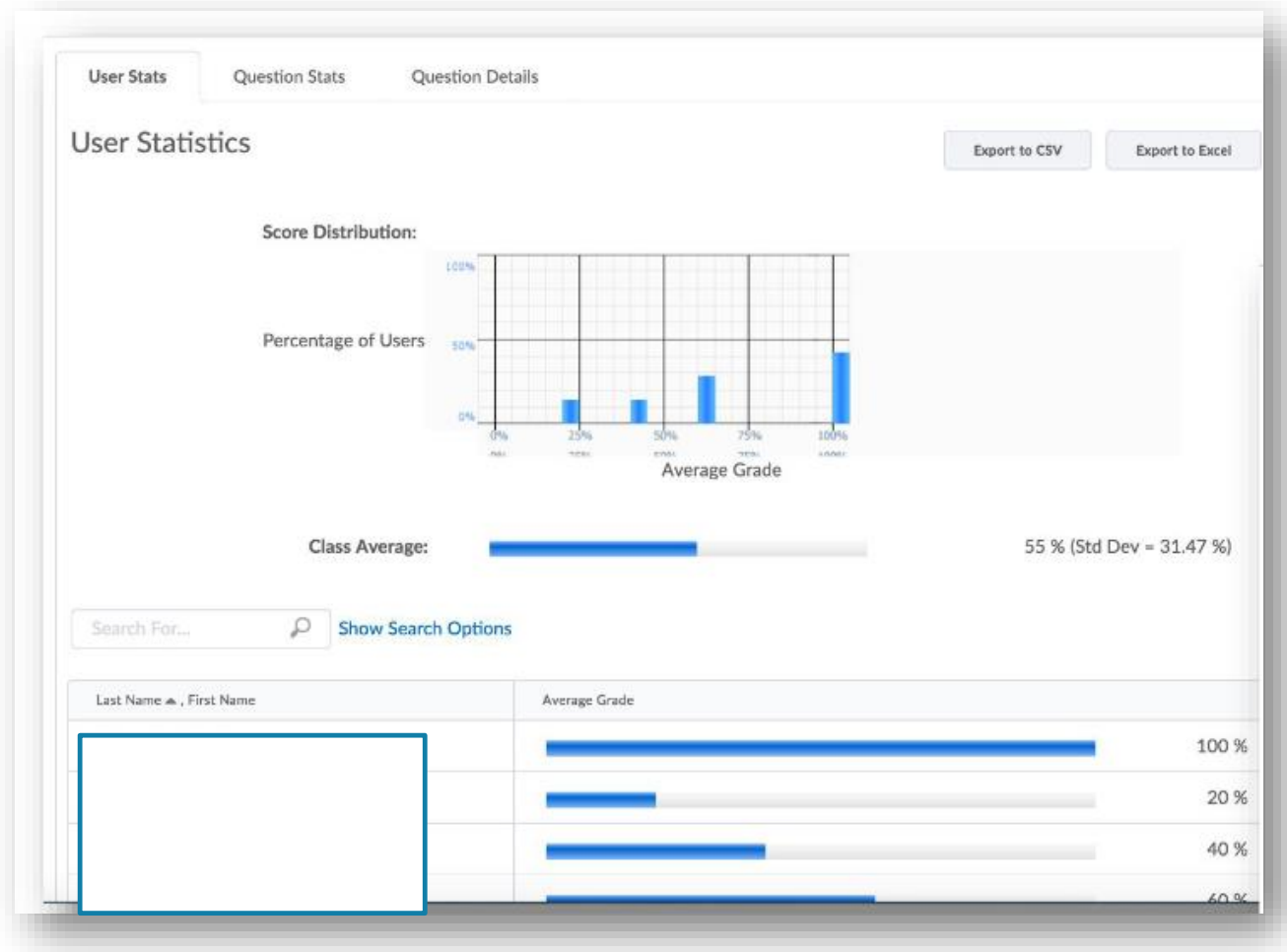
The screenshot shows the top navigation bar with links: Course Home, Content, Assignments, Discussions, Quizzes (highlighted with a red box), and Grades. Below this, the 'Manage Quizzes' section includes links for Manage Quizzes, Question Library, Statistics (highlighted with a red box), and LockDown Browser. At the bottom of this section are three buttons: New Quiz, Edit Categories, and More Actions (with a dropdown arrow).

Current Quizzes	Quiz Averages
Week 1: Practice Quiz	82.22 %
Week 2: Practice Quiz	87.88 %
Week 3: Practice Quiz	84.62 %
Week 4: Practice Quiz	66.67 %
Week 5: Practice Quiz	50.00 %

#### What can this data show us?

- Quizzes or practice quizzes (formative assessments) build up to the higher stakes. assessments (midterm or final – summative assessments).
- For this example, Week 5 Quiz had an overage average of 50%. Why is that?
- Select quiz name for more details.

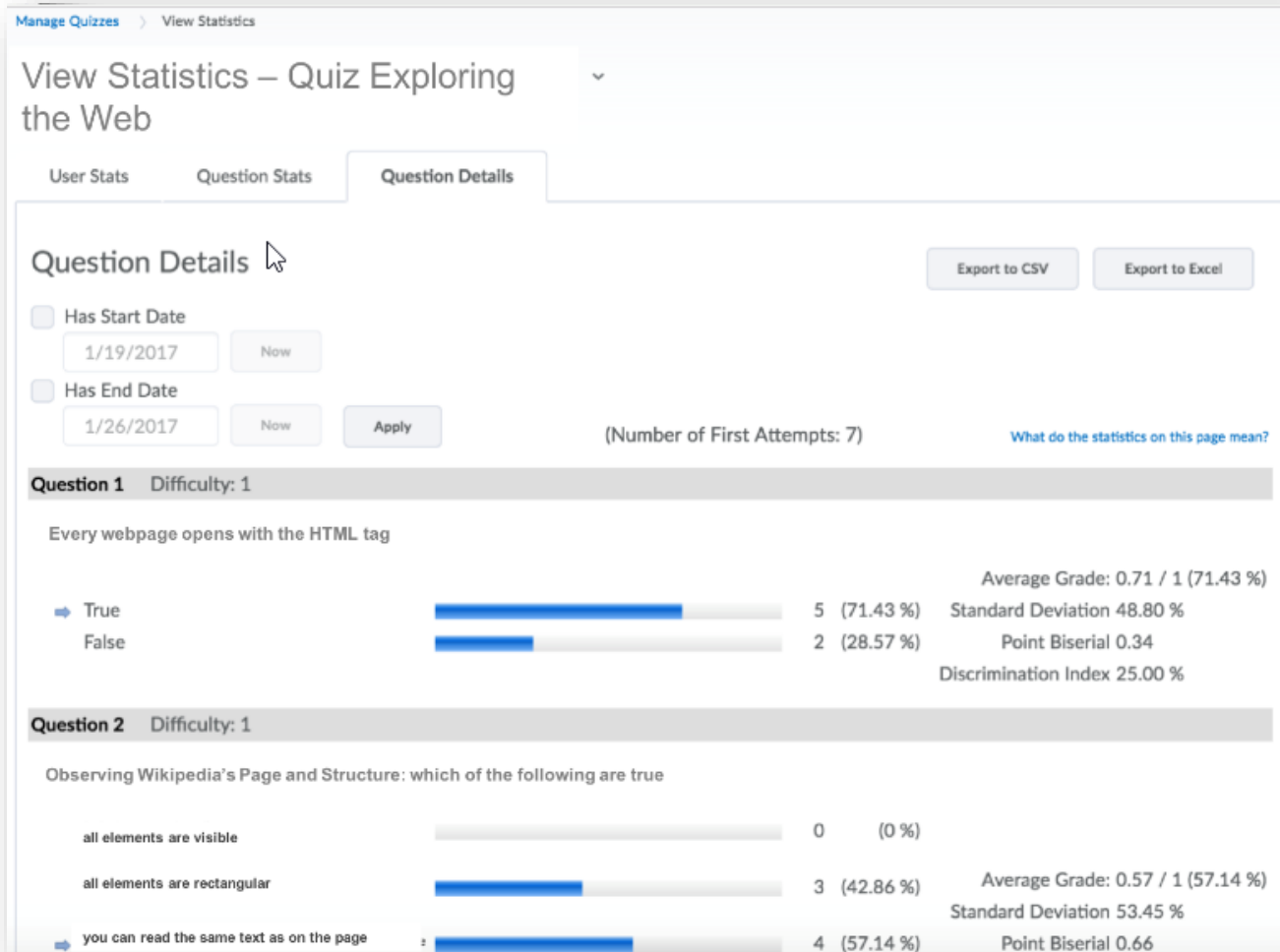
### 3 – QUIZ STATISTICS



#### What can this data show us?

- User Stats provides how each student independently scored on a quiz, along with average grade.
- Student #1 did well, but other students did not – which brought down the quiz average score.

### 3 – QUIZ STATISTICS



#### What can this data show us?

- Question Details drills down on the actual quiz questions and percentages overall of correct or incorrect answers.
- On Question 2: 42% of the students answered this question wrong.
- Instructor can clarify this question by: discussion in class, posting a discussion post, or recording a quick video and posting to D2L course.

# 3A – SURVEYS STATISTICS – WHERE TO FIND?

Course Tools ▾

Course Admin

Classlist

Intelligent Agents

Rubrics

Class Progress

Virtual Classroom

Video Assignments

Announcements

Checklist

Groups

Quizzes

Surveys

Manage Surveys Question Library Help

New Survey Edit Categories More Actions ▾

Preview: By Category ▾ Apply

Bulk Edit

<input type="checkbox"/>	Without Category	
<input type="checkbox"/>	Mid-Semester Check-In ▾	
	Always Available	<div>Edit</div> <div>Preview</div> <div>Reports</div> <div>Statistics</div>

<input type="checkbox"/>	Last Name ▴, First Name, Id	Completed
<input type="checkbox"/>	Franklin, Ben (Id: test11)	
<input type="checkbox"/>	attempt 1	Nov 8, 2018 3:49 PM
<input type="checkbox"/>	attempt 2	Nov 8, 2018 4:01 PM
	completion summary	
<input type="checkbox"/>	Revere, Paul (Id: test10)	
<input type="checkbox"/>	attempt 1	Nov 8, 2018 3:50 PM
<input type="checkbox"/>	attempt 2	Nov 8, 2018 4:07 PM
	completion summary	
<input type="checkbox"/>	Simpson, Bart	
<input type="checkbox"/>	attempt 1	Nov 8, 2018 3:51 PM
<input type="checkbox"/>	attempt 2	Nov 8, 2018 4:08 PM
	completion summary	
View Overall Results		
20 per page ▾		

## 3A – SURVEYS STATISTICS

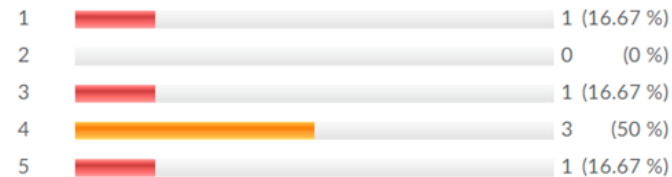
### Completion Summary

6 attempts have been completed

#### Question 1

Rate your agreement on each of the following statements:

The assessments in this course are fair



The activities in this course are enjoyable



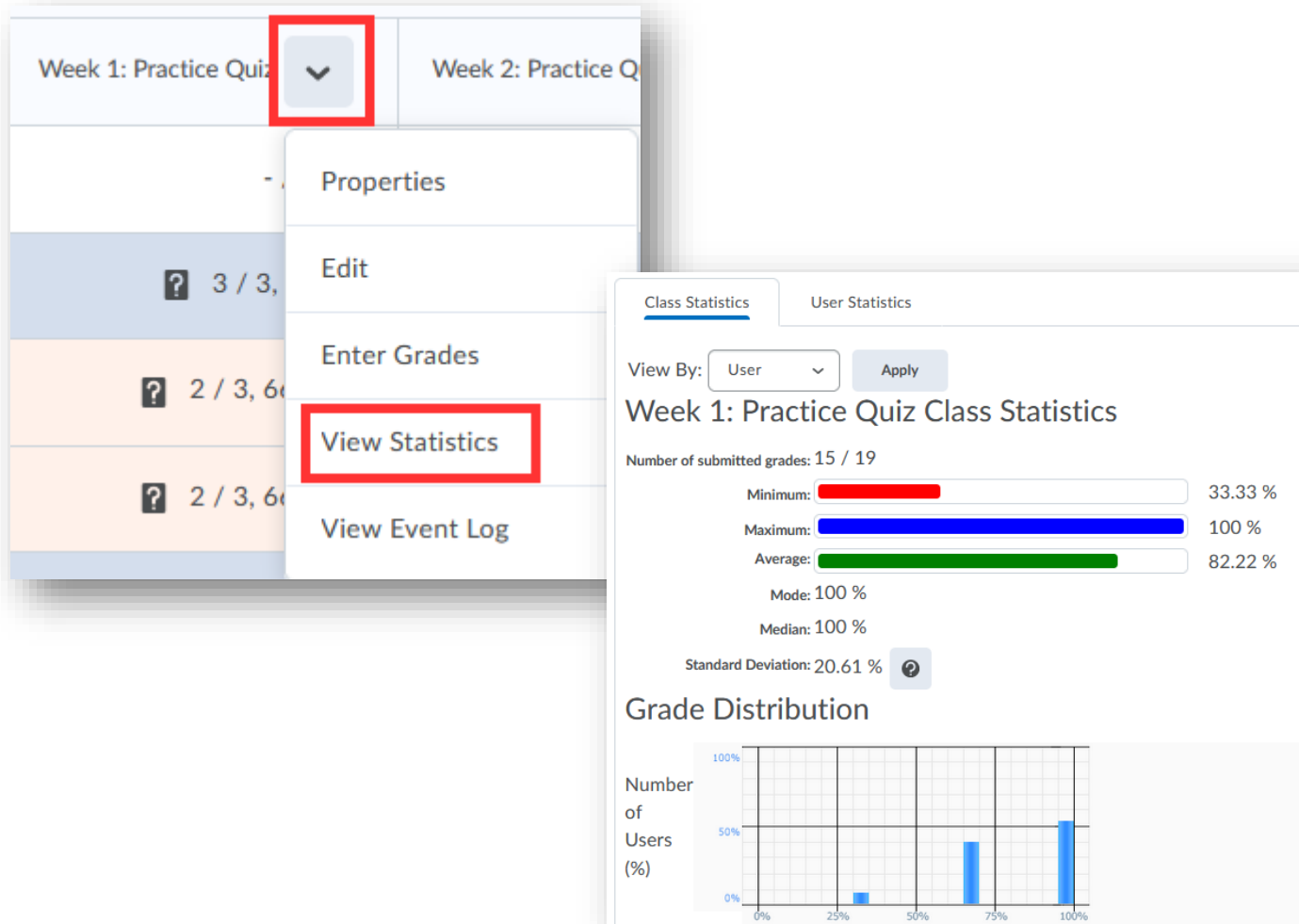
The lectures in this course are boring



### What can this data show us?

- Surveying the students provides insights to what they are thinking.
- This allows instructors to tweak content throughout the term.
- This example shows that 50% of the students do not enjoy the activities of the course and 33% feel the lectures are boring.
- Need suggestions on strategies to improve lectures? Reach out the Faculty Development Committee or Teaching and Learning Center to brainstorm ideas.

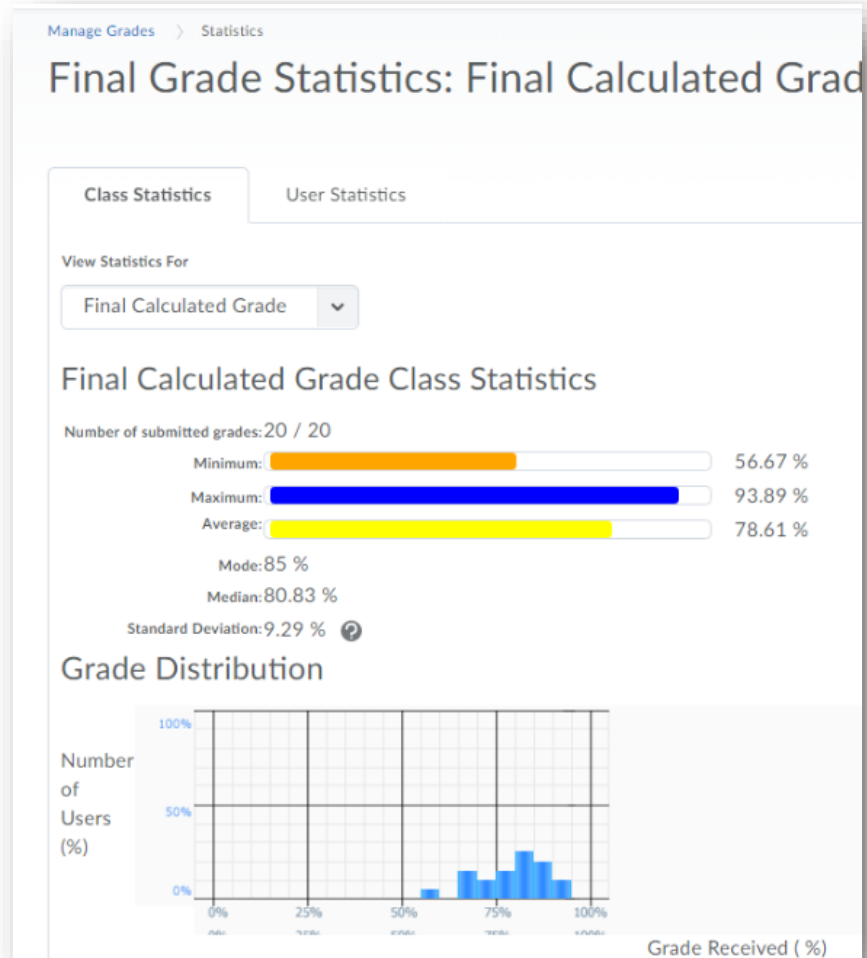
## 4 – GRADES STATISTICS – WHERE TO FIND?



### What can this data show us?

- Each gradebook column, provides a view statistics option.
- This provides an overview of minimum, maximum or average for a particular assignment.
- For this assignment, the average was 82.22%.

## 4 – GRADES STATISTICS

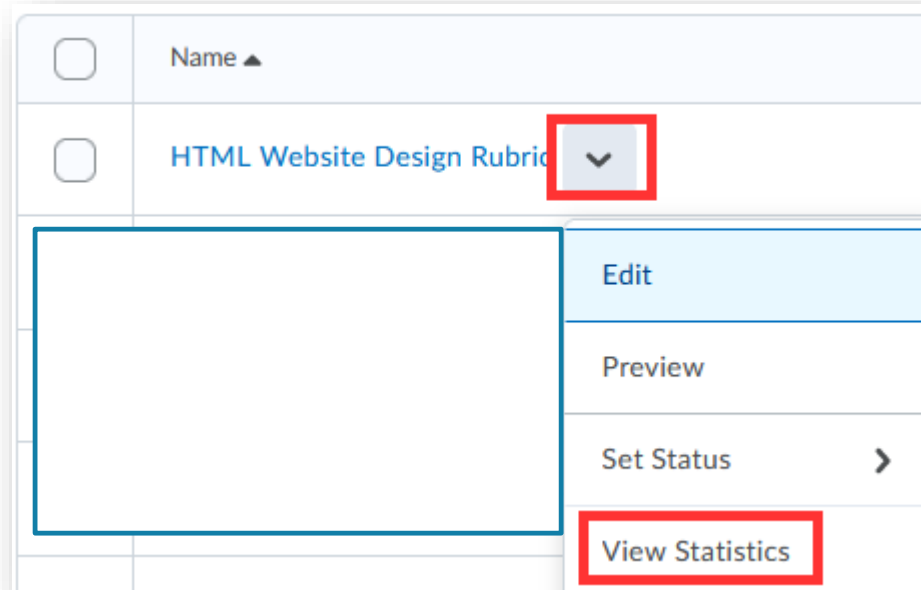
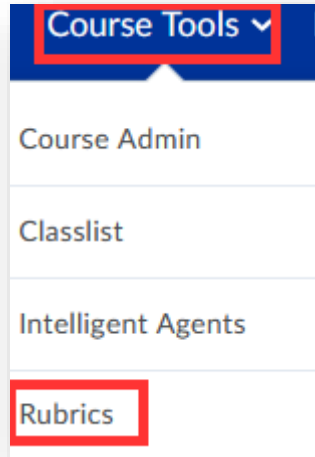


### What can this data show us?

- Since the Final Grade is also a column in the gradebook, view statistics can also be provided for this final column.



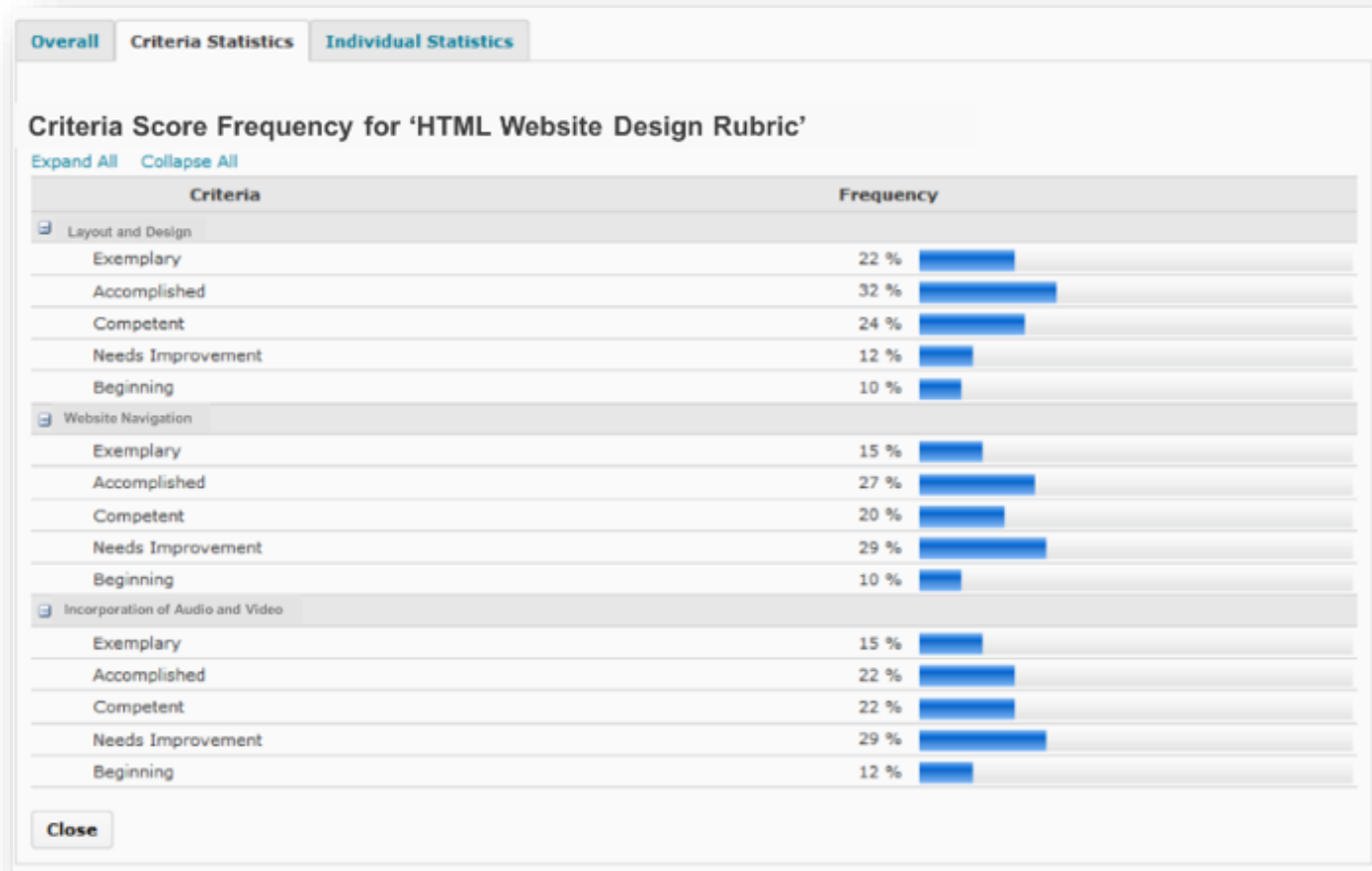
## 5 – RUBRICS STATISTICS – WHERE TO FIND?



### What can this data show us?

- Rubric data provides instructors with how “all” students met the criterion of a rubric.
- If a majority of students were graded with a “needs improvement” criterion, this is an opportunity for instructors to clarify a topic with students.

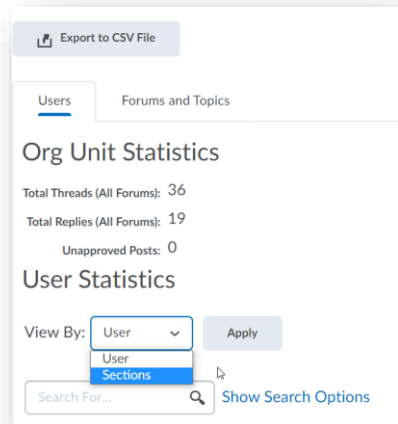
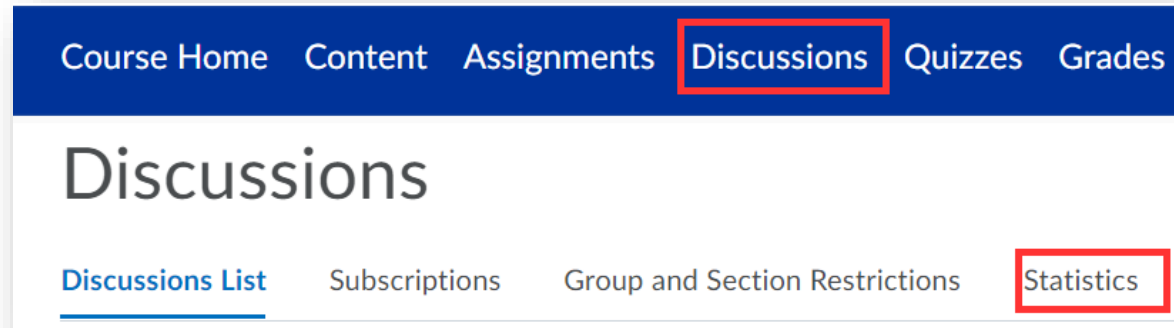
## 5 – RUBRICS STATISTICS



### What can this data show us?

- Criteria Statistics breaks down each rubric category and achievement.
- For this example, 29% of students were rated with Needs Improvement for website navigation and incorporating audio and video in their project.
- Instructors may want to reflect on their course content. Was enough explanation provided to students on these two areas?

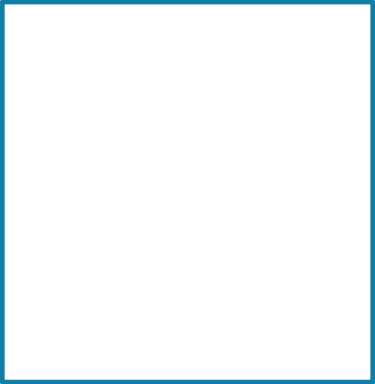
## 6 – DISCUSSION STATISTICS – WHERE TO FIND?



### What can this data show us?

- Discussions can be used for all courses, including online courses, dual delivery courses or traditional face-to-face.
- Statistics can be filtered by sections.
- Are your dual delivery students participating in the online class discussions?

## 6 – DISCUSSION STATISTICS

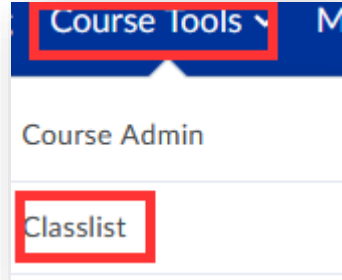
Last Name ▲ , First Name	Number of Posts				
	Threads	Replies	Read (including own)	Unapproved	Scored
	0	0	1	0	0
	3	1	53	0	0
	3	1	21	0	0
	3	0	5	0	0
	1	1	3	0	0

Forum/Topic Title	Total Threads	Total Replies	Number of Posts					Post Ratings		
			Threads	Replies	Read (including own)	Unapproved	Scored	Up	Down	Star
▼ Weekly Discussions	36	19	3	1	4	0	0			
Week 1: Discussion - Introduce Yourself	15	6	1	0	21	0	0			
Week 2: Discussion	9	5	1	0	14	0	0			★★★★★ (0 ratings)
Week 3: Discussion	12	8	1	1	18	0	0			★★★★★ (0 ratings)

### What can this data show us?

- Select students name to drill down total replies and even whether a student read a discussion post.
- Low participation: Are the discussion topic interesting and engaging?
- Contact the Teaching and Learning Center at SSC to provide strategies to get student to participate in online discussion.

## 7 – CLASS LISTS STATISTICS – WHERE TO FIND?

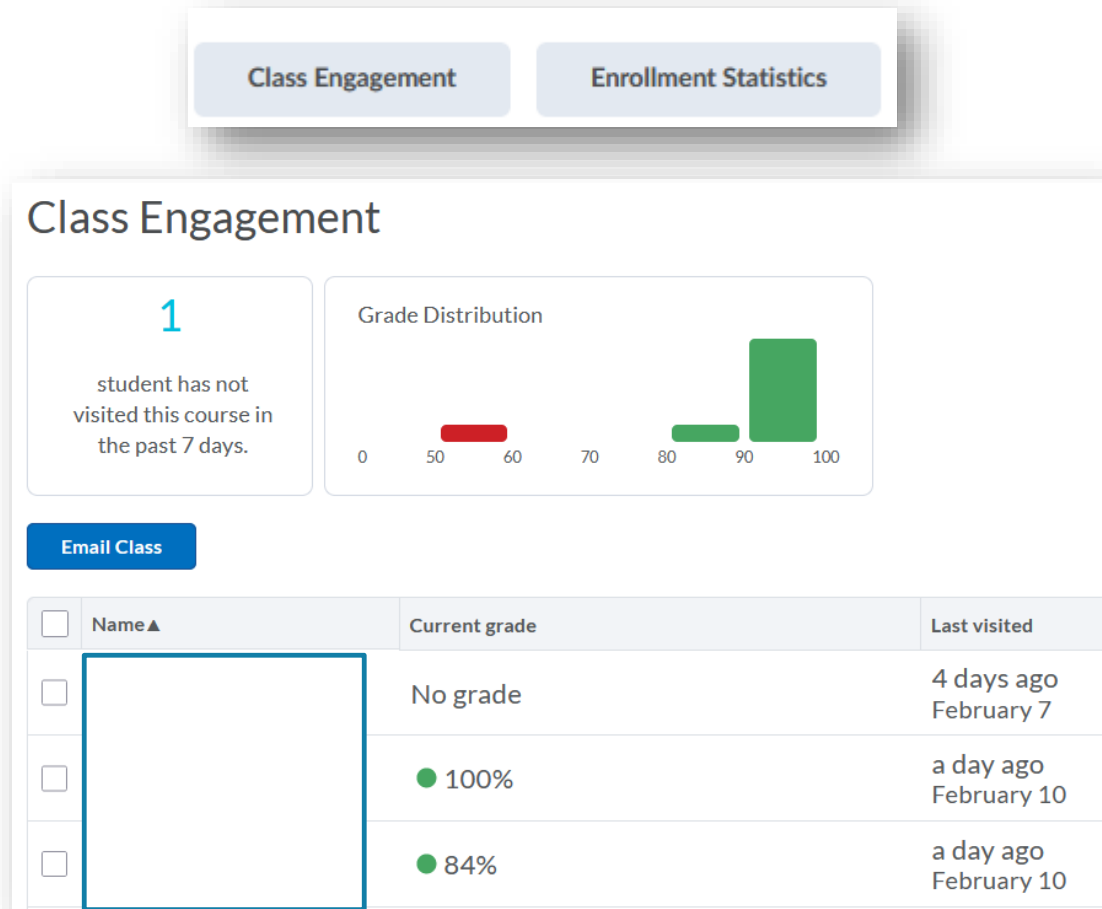


### What can this data show us?

- Basic Information includes when students last access the class.

<input type="checkbox"/>	Image	Last Name ▲, First Name	Username	Org Defined ID	Role	Last Accessed
<input type="checkbox"/>					Learner	Feb 7, 2022 11:56 AM
<input type="checkbox"/>					Learner	Feb 10, 2022 10:19 PM
<input type="checkbox"/>					Learner	Feb 10, 2022 6:13 PM

## 7 – CLASS LISTS STATISTICS



### What can this data show us?

- Class Engagement and Enrollment Statistics are also found under Classlist.
- Class Engagement provides overall grade distribution as compared to login (last visited).
- 1 student has not accessed the course in 7 days.
- Did the student miss a midterm or final that was given in that week?

## 7 – CLASS LISTS STATISTICS

Class Engagement

Enrollment Statistics

Role Name ▲	Enrollments	Withdrawals
Facilitator	0	0
Facilitator	0	0
Incomplete Student	0	0
Instructor	1	0
Learner	19	4
Learner - No Download	0	0
Total	20	4

### Withdrawals

Email Print

<input type="checkbox"/>	Image	Last Name, First Name	Username	Org Defined ID	Role ▲	Date	Last Accessed
<input type="checkbox"/>					Learner	Jan 17, 2022 11:39 AM	
<input type="checkbox"/>					Learner	Jan 19, 2022 12:06 PM	

### What can this data show us?

- Basic Information: Enrollment Statistics provides a list of students who have withdrawn from your course.

## 8 – COURSE OVERVIEW WIDGET – WHERE TO FIND?

- 2<sup>nd</sup> Column on your course page has information about sending grades to Colleague.
- In this column, scroll down to the bottom to see the Course Overview Widget.

### How To Send Your Required Grades To Colleague

Need help to submit your required 10th day, Midterm, Active Pursuit, and Final grades? (Click for Detailed Instructions)

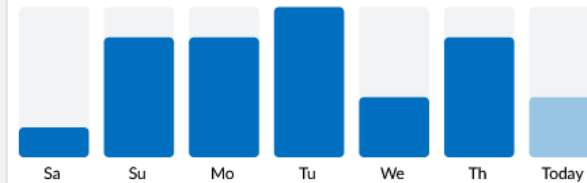
[Attendance Verification \(10th Day\)](#) = Midterm 3 (Options: S or NS along with "Never Attended")

[Active Pursuit \(Midterm\)](#) = Midterm 2 (Options: S or NS)

[Midterm Grade \(Midterm\)](#) = Midterm 1 (Options: A-F, P or V)

[Final Grade \(Final\)](#) = Final Grade (Options: A-F, P or V)

### Course Overview ▾



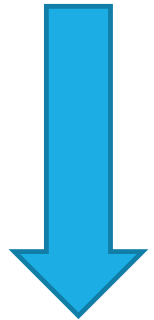
2 people visited this course today.

No quizzes have been submitted today.

[Class Engagement](#)

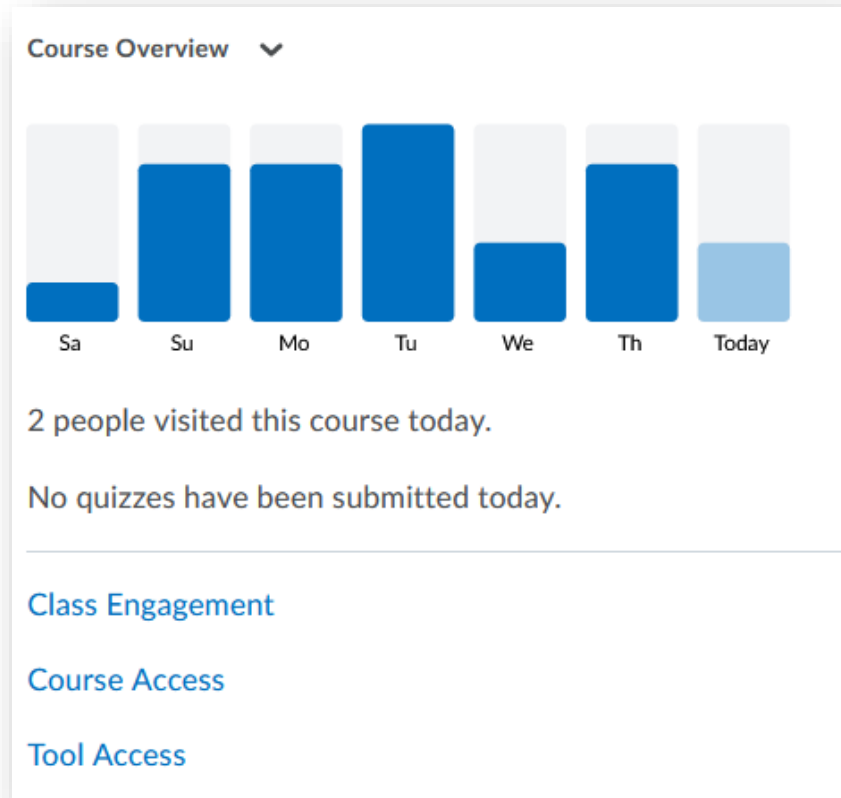
[Course Access](#)

[Tool Access](#)





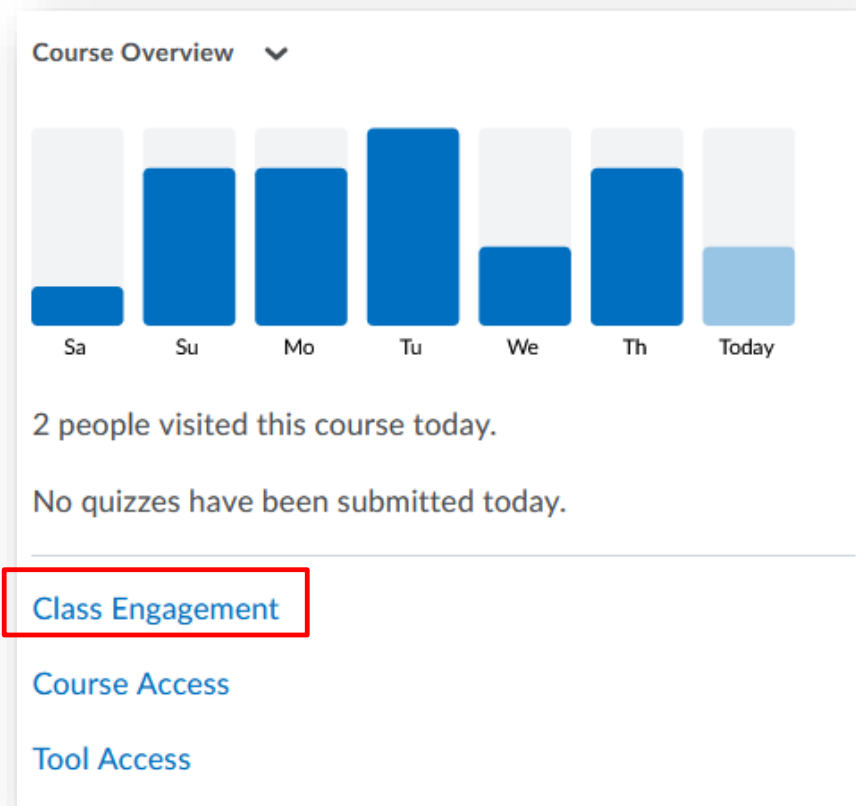
## 8 – COURSE OVERVIEW WIDGET



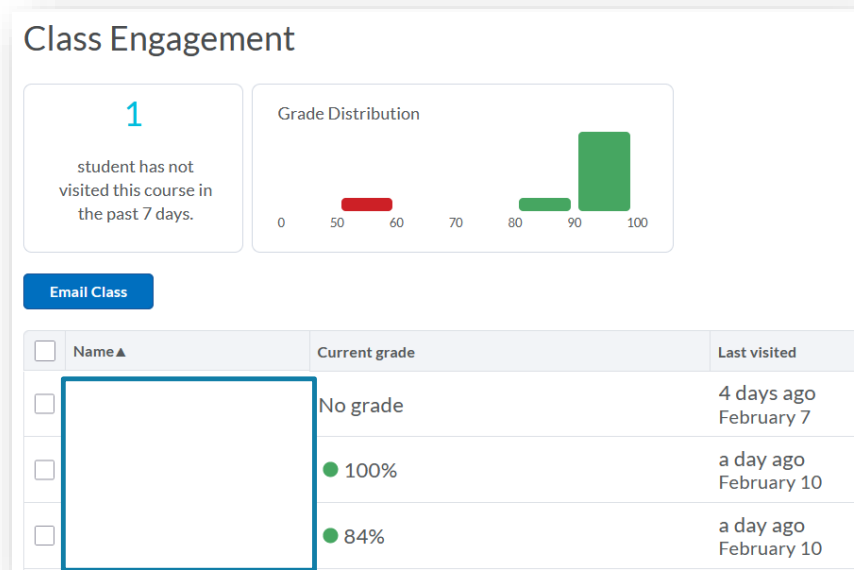
### What can this data show us?

- Course Overview provides login data from the past week.
- Is there a trend? Saturday has low access, where Tuesday has high?
- Is Tuesday when assignments are due or virtual class time?

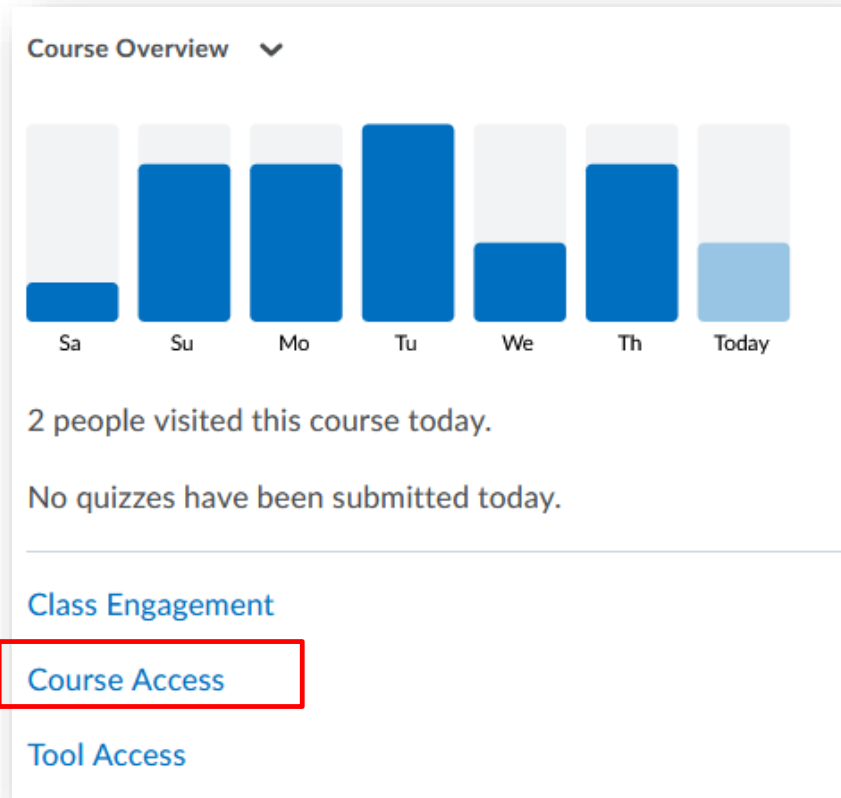
# 8 – COURSE OVERVIEW WIDGET



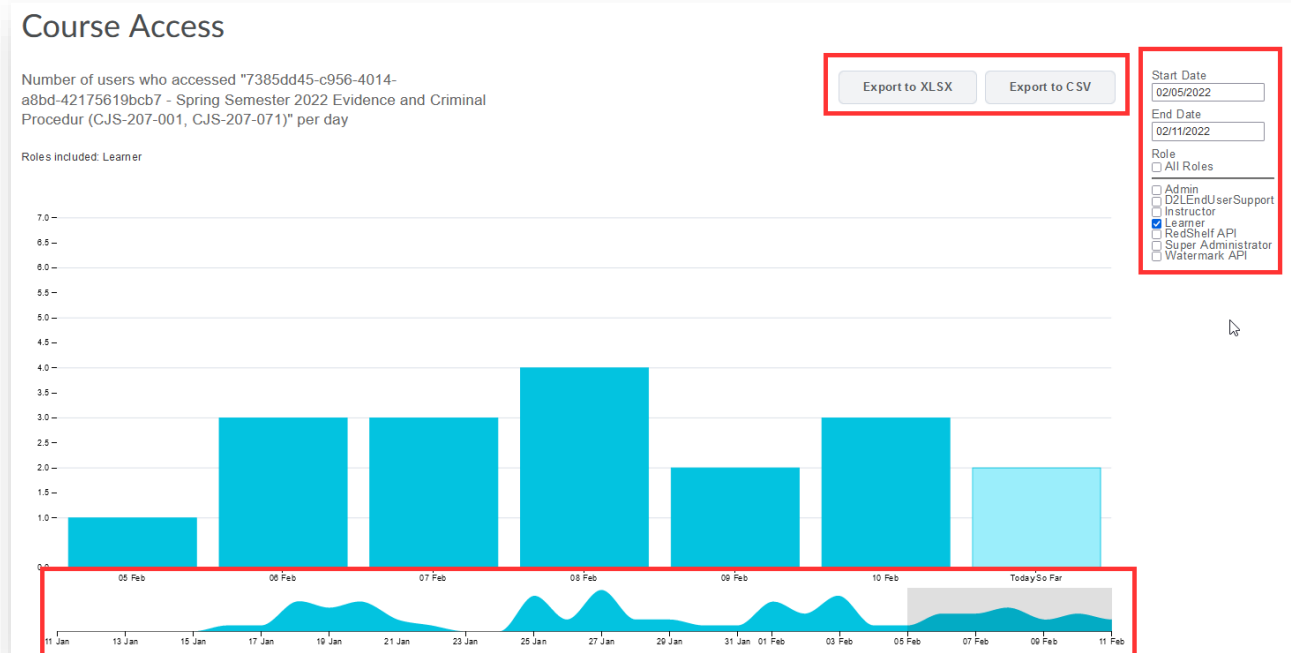
Note - Class Engagement takes you back to report that was provided in the Class List.



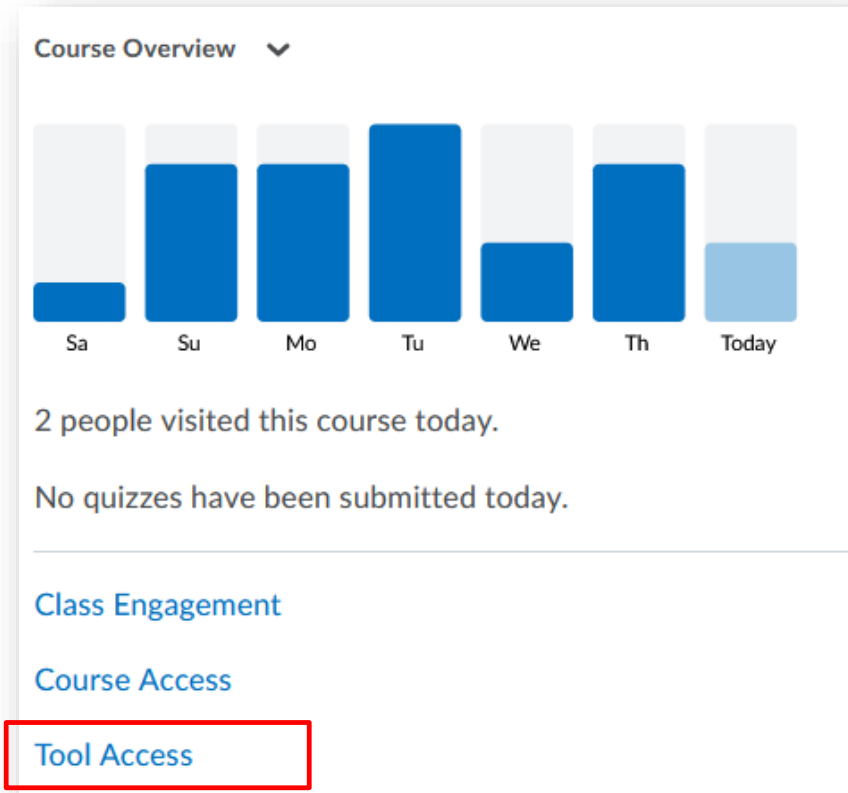
## 8 – COURSE OVERVIEW WIDGET



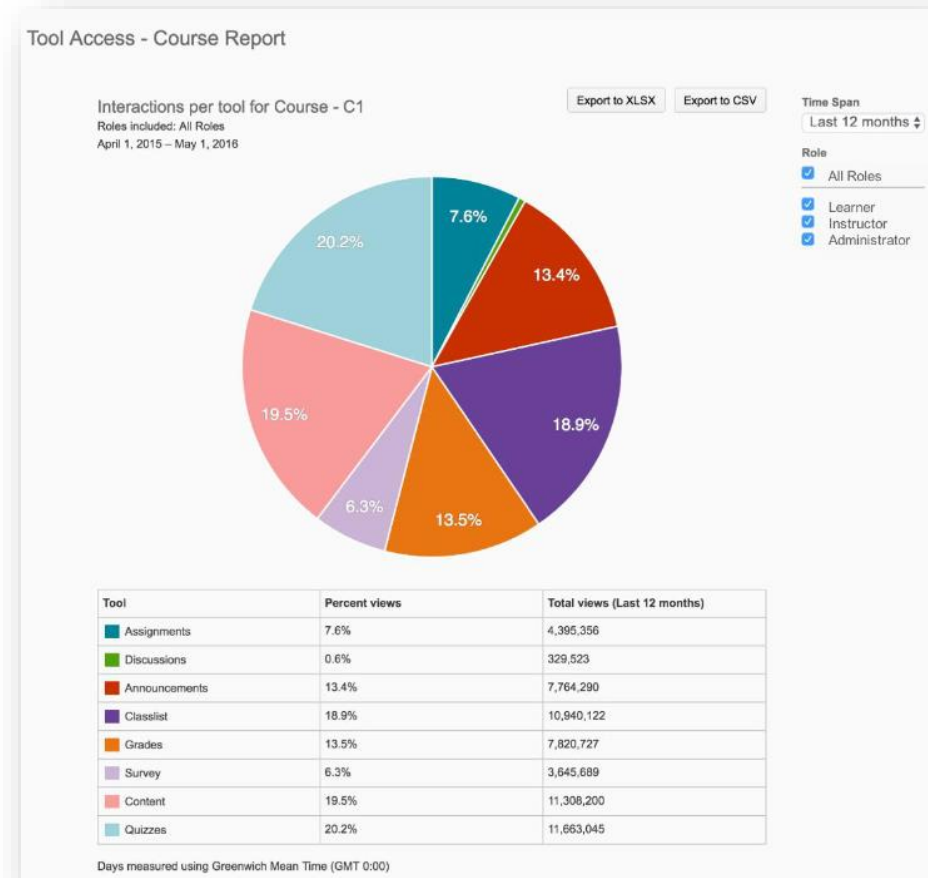
Course Access provides more information - a date range and to opportunity to export report.



## 8 – COURSE OVERVIEW WIDGET



Assignments, Discussions, etc. are considered course tools in D2L. What is the most used course tools in your course?



## 9 – VIRTUAL CLASSROOM - WHERE TO FIND?

### Recorded Meetings

Title	Actual Start Time	End Time	Status	Actions
Monday Virtual Class Session (3)	2/7/2022, 11:55 AM	2/7/2022, 1:14 PM	✓	⋮
Wednesday Virtual Class Session (3)	2/2/2022, 11:51 AM	2/2/2022, 1:56 PM	✓	⋮
Monday Virtual Class Session (2)	1/31/2022, 11:57 AM	1/31/2022, 1:30 PM	✓	⋮
Wednesday Virtual Class Session (2)	1/26/2022, 11:59 AM	1/26/2022, 2:02 PM	✓	⋮
Monday Virtual Class Session (1)	1/24/2022, 11:55 AM	1/24/2022, 1:30 PM	✓	⋮
First day of class overview	1/18/2022, 3:20 PM	1/18/2022, 3:59 PM	✓	⋮

- Preview
- Copy Public Url
- Manage Captions
- Download
- Attendance
- Delete

### What can this data show us?

- Basic Information: The only data provided in Virtual Classroom is if the session was recorded.
- Under the Actions column, attendance reports can be accessed.

## 9 – VIRTUAL CLASSROOM

### Attendance for meeting: Monday Virtual Class Session (1)

<input type="text" value="Search..."/>			
↑ Name	Role	Minutes Attended	Chat Count
	Learner	75	0
	Learner	74	0
	Learner	77	0
	Learner	77	1
	Learner	77	1
	Learner	78	1
	Learner	77	0
	Educator	95	1
	Learner	77	1
	Learner	78	0
	Learner	78	1
	Learner	77	1
	Learner	84	1

### What can this data show us?

- Students that attended the virtual classroom, along with minutes attended and chat count.
- In this example: most students participated for the duration of the session.
- Perhaps reach out to those who may have left the virtual classroom meeting early or didn't attend at all and request they watch the recording.

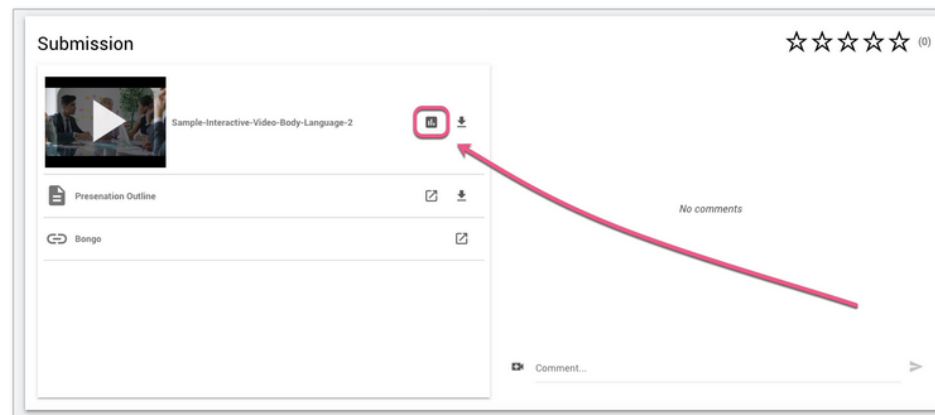
# 10 – VIDEO ASSIGNMENTS STATISTICS – WHERE TO FIND?

## – Accessing the Auto Analysis™ Report

To access a learner's Auto Analysis™ report, first, navigate to the grade book and find the appropriate submission then click **Grade Student Submission**.



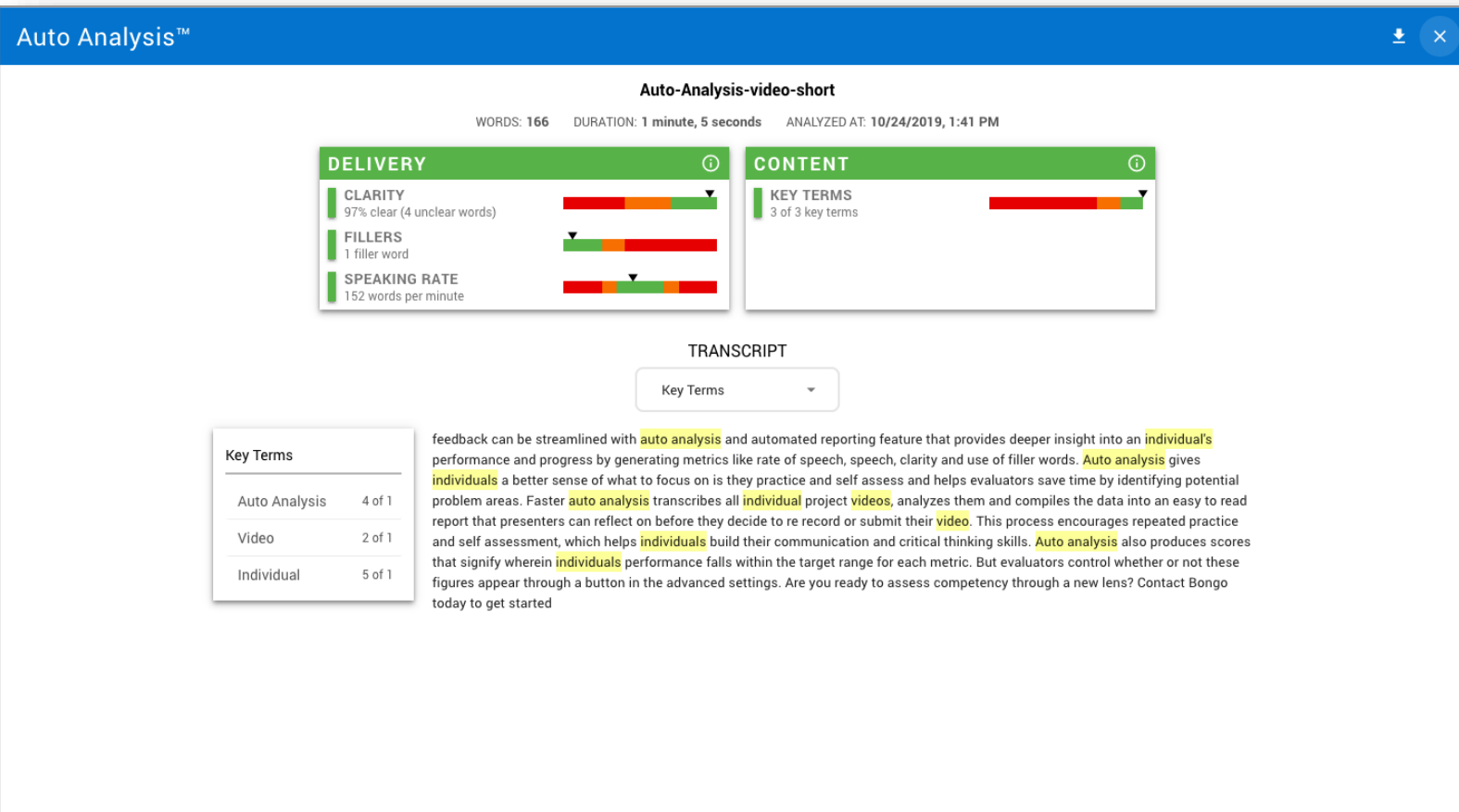
Next to the student's video, click the **Auto Analysis™** icon. Note: If you do not see the icon, you may need to turn on Auto Analysis™ within the [assignment configurations](#).



## What is Video Assignment?

- Video Assignment tool is an add-on and accessed through D2L Module > Added External Activity.
- Each student presentation video provides an **Auto Analysis Report** for both student and instructor.
- Visit: [tl.ssc.edu](http://tl.ssc.edu) on training for using Video Assignments.

# 10 – VIDEO ASSIGNMENTS STATISTICS

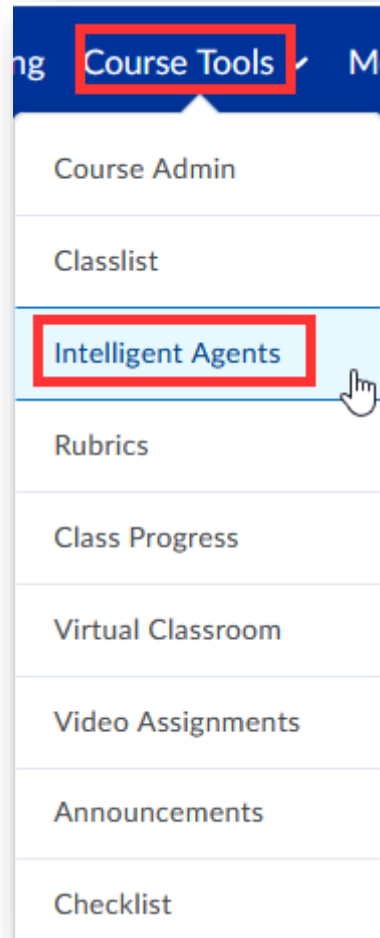


## What can this data show us?

- Auto Analysis Report of the student presentation generates metrics of:
  - Speaking rates per minute.
  - Clarity word percentage
  - Transcript showing key words that were spoke (instructor sets up key words when creating the video assignment).
- This allows instructor to provided additional feedback with data they may not have noticed before.



# 11 – INTELLIGENT AGENTS



## What is an Intelligent Agent?

- The original intent is to create pre-written, targeted email communication to students based on certain criteria.
- The pre-written emails can be manually sent or can be scheduled to be automatically sent when certain criteria is met.

# 11 – INTELLIGENT AGENTS

Message:

Paragraph ▾

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Dear {InitiatingUserFirstName},

It's been a while since you've logged into my course - {OrgUnitName}, so I wanted to reach out to you. Matter of fact, the last time you logged into the course was {LastCourseAccessDate}. As you know, it's important to login to D2L on a regular basis, as I am posting new content on a regular basis. Plus, your fellow classmates miss you, as we have weekly discussion forums and we need your participation.

If you have any questions whatsoever, please feel free to reach out to me. We can meet during my regular office hours on campus, or if you prefer, we can meet virtually. I can work around your schedule.

I'm here to help, so please reach out.

Take care,

Jamie Ackley

≡

# 11 – INTELLIGENT AGENTS

## Release Conditions

Attach Existing

Create and Attach



Remove All Conditions

To access this item, users must satisfy

All conditions must be met ▼

Receives less than or equal to 70 % on the quiz: **Week 1: Practice Quiz** ✕

Receives less than or equal to 70 % on the quiz: **Week 2: Practice Quiz** ✕

## Create a New Release Condition



Release this item when the following condition is met:

Condition Type

Receive feedback on submission ▼

-- Select Condition Type --

Assignments

Submission to folder

Receive feedback on submission

Score on associated rubric

No submission to folder

Awards

Award Earned

Checklist

Completed checklist

Completed checklist item

Incomplete checklist

Incomplete checklist item

Classlist

Group enrollment

Org unit enrollment

Section enrollment

Role in current org unit

Date of enrollment in current org unit

Competencies

Create

Cancel



# RECAP

- 11 different places to find D2L course data.
- Review intervention strategies.
- Provide instructors an opportunity for to tweak and adjust their content and assignments during the term



- How do you use course data?
- Email: [ssconline@ssc.edu](mailto:ssconline@ssc.edu)