



## Learning Analytics Features in Canvas

### 1. Contributors:

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### 2. Introduction

This document provides an overview of the Canvas LMS analytics features currently available to staff who teach as well as some future developments in the area.

### 3. Analytics and Statistics in Canvas

The Canvas LMS offers 3 main levels of analytics and statistics to users. These are: Account, Module and Individual User level. For the purposes of this guide, we will look at Module and Individual User level as these are accessible with the role given to all teaching staff in Canvas; the Teacher Role. Before we look at Analytics, a word on Statistics, which work in conjunction with Analytics.

Analytics in Canvas work in conjunction with statistics and provide the basis for much of the information visualised in the analytics areas.

### 4. Statistics in Canvas

Similar to Analytics, Statistics can be accessed at 3 levels (Account, Module and Individual User). Module statistics give staff who teach insights into the assignments, discussions, and quizzes that are engaging students. The feature also helps users to detect which students are not participating or may have started to fall behind the rest of the class.

### 5. Module Level Statistics

Module statistics are accessible in Module Settings > Module Statistics (from the Module sidebar)

The screenshot shows the Canvas LMS interface for a course. The left sidebar contains navigation options: Account, Admin, Dashboard, Modules, Groups, Calendar, Inbox, Commons, and Help. The 'Settings' option is highlighted in red. The main content area shows the 'Settings' page for a course, with tabs for 'Module details', 'Sections', 'Navigation', 'Apps', and 'Feature Options'. The 'Navigation' tab is active, showing a list of items to be reordered: Home, Zoom, SCORM, Announcements, Units, Assignments, Discussions, Grades, People, Pages, Files, Outcomes, Quizzes, Collaborations, and Analytics Beta. The 'Module statistics' option is highlighted in a red box in the right sidebar. Below the 'Module statistics' option, there is a table showing 'Current users' for the course:

Current users	
Students:	17
Teachers:	3
Non Academic:	None
Technician:	None



In the Totals tab (below), you can view running totals of module discussions, assignments, active students, and quizzes.

Statistics for **Learning Analytics (Fall 2016, 2017)**

Totals | **Assignments** | Students | File storage

Running totals

Discussions	34
Discussion posts	161
Assignments	4
Assignment groups	2
Module rubrics	0
All rubrics	0
Active students	17
Unaccepted students	0
Quizzes	0
Quiz questions	0
Quiz submissions	0

In the Assignments tab (below), you can view statistics about assignments in your module including the submission type, number of assignments, and number of submissions.

Statistics for **History 101**

Totals | **Assignments** | Students | File Storage

Assignments Usage Report

Submission Type	# Assignments	# Submissions
File Upload	13	8
Text Entry	12	1
Website URL	10	1
Quiz	6	4
Discussion Topic	8	4
<b>All Assignments</b>	<b>27</b>	<b>20</b>



ORLA: Online Resource for Learning Analytics | <http://tinyurl.com/NFORLA>

In the Students tab (below), you can view the students who have recently logged in to Canvas. To view information about a student, click the name of a student. The user details page also allows you to view any online interactions you've had with the student in the module as well as module access information and individual analytics.

## Statistics for History 101

Totals
Assignments
Students
File Storage

### Recently Logged-In Users

Emily Boone  
last logged in Jan 22 at 9:20am

Max Johnson  
last logged in Jan 19 at 2:45pm

Bruce Jones  
last logged in Jan 19 at 11:40am

Jessica Doe  
last logged in Jan 15 at 2:52pm

In the File Storage tab (below), you can view the allotted storage for your module, the number of unique uploaded files, and the number of unique media files in your module.

## Statistics for History 101

Totals
Assignments
Students
File Storage

### File Storage

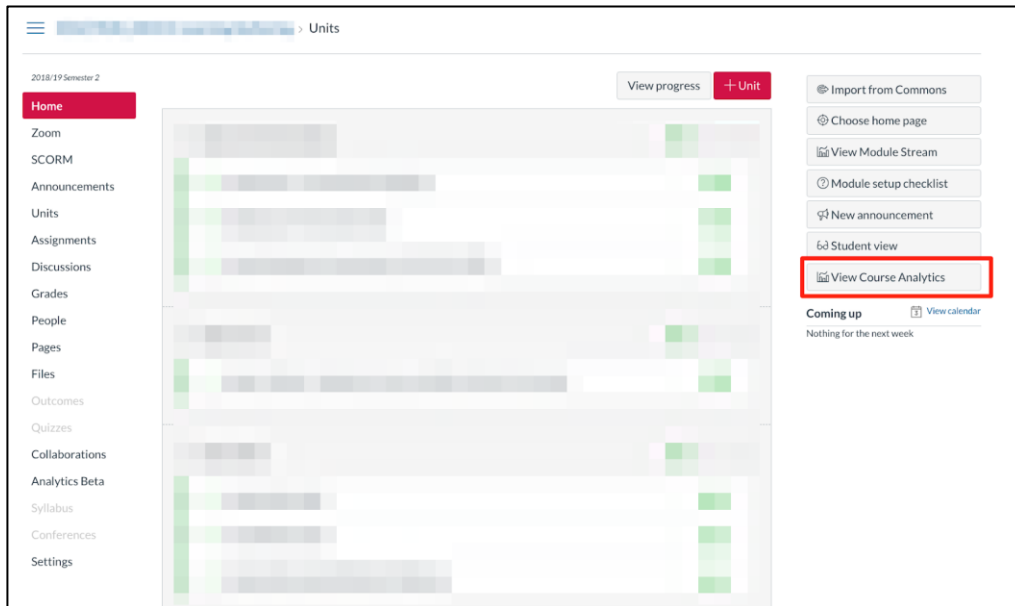
Allotted Storage:	500 MB	
Uploaded Files:	312 KB	2 files
Media Files:	290 Bytes	2 files



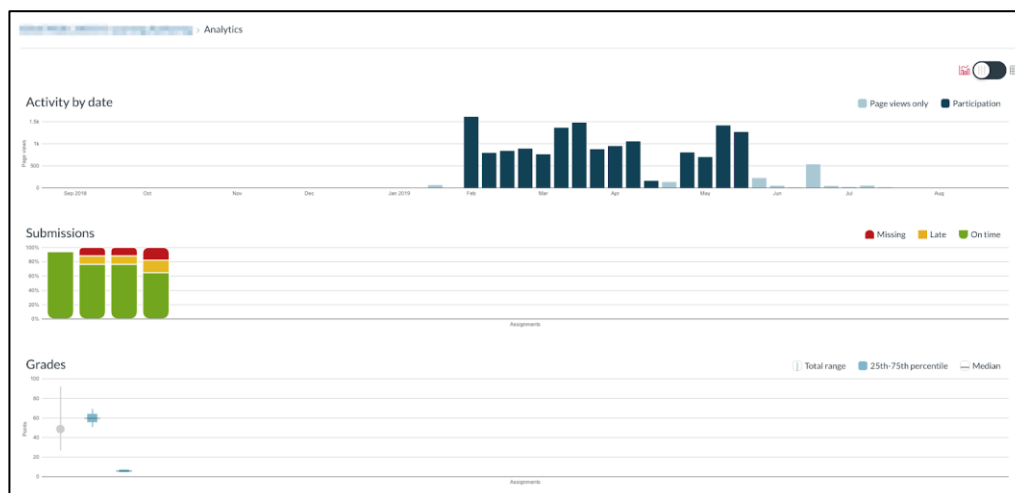
## 6. User Level Statistics

### Module level analytics

Module level analytics (or “module” level using Canvas’ default language pack) are accessible from the module sidebar under “View module Analytics”. Note that if you cannot view analytics, your institution may have restricted this feature.



By default, analytics at this level appear as Charts. You can however toggle between the Chart and Table view. Analytics are displayed under three headings: Activities by date, Submissions and the Grades graph.





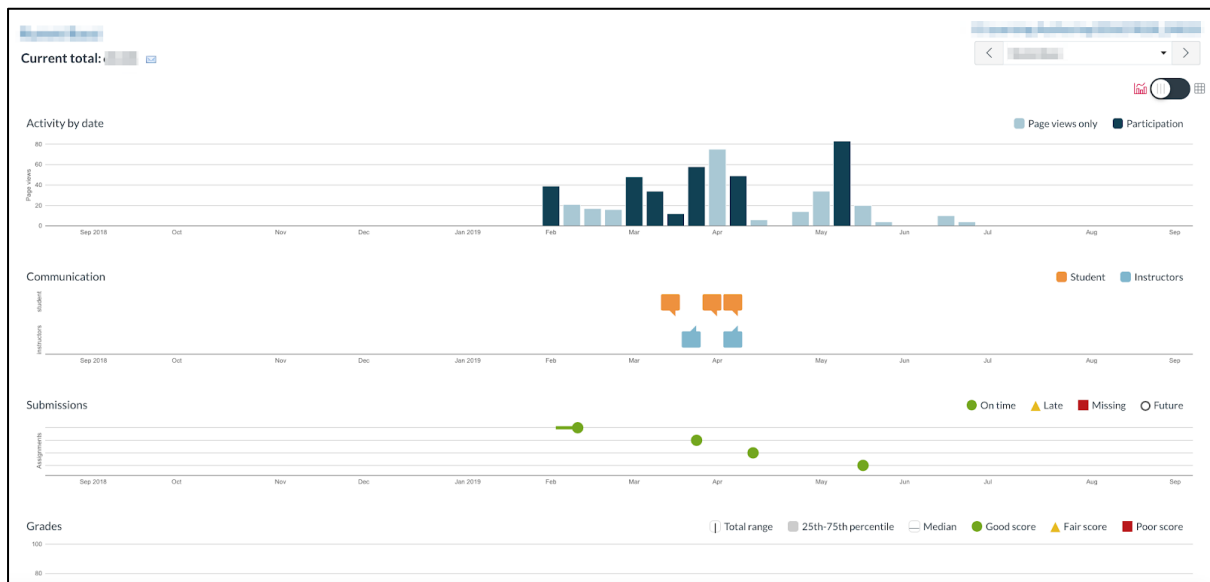
You can also view general analytics for all students on the module on the same page. Included here are:

- Page Views
- Participation
- Submissions (On Time, Late, Missing, Current Score)

Student	Page views	Participations	Submissions	On time	Late	Missing	Current score
[Student]	11	0	0	0	0	3	--
[Student]	544	13	4	4	0	0	%
[Student]	340	4	1	1	0	3	--
[Student]	1341	9	4	4	0	0	%
[Student]	318	4	4	4	0	0	%
[Student]	459	8	4	4	0	0	%
[Student]	653	13	4	4	0	0	%
[Student]	507	7	4	4	0	0	%
[Student]	836	9	4	4	0	0	%
[Student]	587	24	4	3	1	0	%

### User level analytics

To access user level analytics, click on the hyperlinked student name in the Module Level Analytics page



The User Level Analytics page gives you a similar view to the Module level with the addition of figures for Communication interactions in the module. You can toggle between students in your class to view their participation in either graph or table format.





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Page views and participation metrics include an aggregate across all devices, including Canvas mobile apps and can be used to:

- View average module grade analytics as an interactive chart graph or a data table
- Compare the module average with an individual assignment, module section, or student filter using the chart graph comparison or data table comparison
- View average weekly online participation analytics as an interactive chart graph or a data table
- Compare the module average weekly online participation analytics with an individual student or section using the chart graph comparison or data table comparison
- Send a message to all students based on specific module grade or participation criteria
- Send a message to an individual student based on specific module grade or participation criteria
- View module grade and participation analytics for an individual student

More information on the Analytics Beta LTI and its development schedule can be found at <https://community.canvaslms.com/groups/analytics-beta/pages/home>