OFFICE OF
Academic Technology
A&M-COMMERCE

Analytics in eCollege Gradebook

Statistics are available in eCollege for Exams and User Activity.

1. To access exam or quiz statistics:
   A. Click on the **Gradebook**.
   B. **Select Gradebook View** of week/unit of exam/quiz's location
   C. Click the **Go** button
   D. Click the **Graph icon** above the word Exam

2. On **the Exam Statistics** page, the **Exam Level Statistics** are visible. To access additional content:

    A.   Click the **Download** link to download the statistics.

    B.   Click the **Definitions & Example** link to view definitions of terms used in the exam statistics feature

    C.   Click on the **Question Level Statistics** to view the results for the individual questions.

EXAM STATISTICS

Download | Definitions & Examples

Exam Level Statistics | Question Level Statistics

Highest Score:	87.5 pts. (89.74%)	Number of Respondents:	20
Lowest Score:	45 pts. (46.15%)	Number of Questions:	40
Range:	42.5 pts.	Points Possible:	97.5 pts.
Mean:	75.55 pts.		
Median:	78.75 pts.		
Mode:	82.5 pts.		
Difficulty (Mean P-Value):	0.72		
Standard Deviation:	10.46		
Semi-Interquartile Range:	6.63		

Note: Statistics based on the sum of points achieved on questions.

	Points Achieved	Frequency		Percentile
Frequency Distribution:	87.5 pts.	2 (10%)		95
	85 pts.	2 (10%)		85
	82.5 pts.	4 (20%)		70
	80 pts.	2 (10%)		55
	77.5 pts.	2 (10%)		45
	70 pts.	3 (15%)		32.5
	68.5 pts.	1 (5%)		22.5
	67.5 pts.	2 (10%)		15
	62.5 pts.	1 (5%)		7.5
	45 pts.	1 (5%)		2.5

3. **Download** Feature:

    A. **Exam Level Statistics and Question Level Statistics** are included in document

    B. Click the **Save** link to save the statistics in your preferred location.

EXAM STATISTICS

🖫 Save

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4. Definitions & Example Feature

QUESTION STATISTIC DEFINITIONS AND EXAMPLES:

Number of Respondents:	The number of students who took the exam.
Number of Questions:	The number of exam questions available to students on the exam. (Note: If exam pools were used, the question-level statistics section may include more questions than displayed here because statistics display for all of the questions in the pool.)
Points Possible:	The maximum number of points a student can achieve on the exam; calculated by summing the points possible for all questions in the exam. (Note: If you choose to "curve" the exam by modifying the Points Possible *within the Gradebook* , any changes you m reflected in the Points Possible displayed in Exam Statistics. Modifying the Points Possible *in the Author view of the exam itself* (i.e., the Exam Builder) will display changes in Exam Statistics.)
Highest Score:	The highest number of points achieved by any student on the exam.
Lowest Score:	The lowest number of points achieved by any student on the exam.
Range:	The span between the lowest and highest achieved scores on the exam.
	Example:
	If the lowest score on an exam was 15 and the highest score was 90, the range is 75.
Mean:	The average score on the exam.
	Example:
	50 students take an exam. At the end of the exam, all of the students' scores added together equal 500. To find the Mean Score, take the total for the test (500) and divide by the number of students who took the test (50). The result (500/50 = 10) gives you mean or average score for the test.
Median:	The "middle value" if the exam scores are listed in rank order. If there are two central values, the median is simply the average of these values. The median can be a useful statistic when dealing with highly skewed data.
	Example:
	If the scores were 93, 87, 75, 73, 72, 68, 67 and 52, the median is 72.5, or exactly the physical midpoint of the range.

5. Question Level Statistics provides:

A. Statistics on **number and percentage of answers** selected by students

B. **Difficulty and Discrimination** information and **Essay and Short Answer Questions** statistics.

6. **User Activity** Statistics in Gradebook

A. Click on **Gradebook**
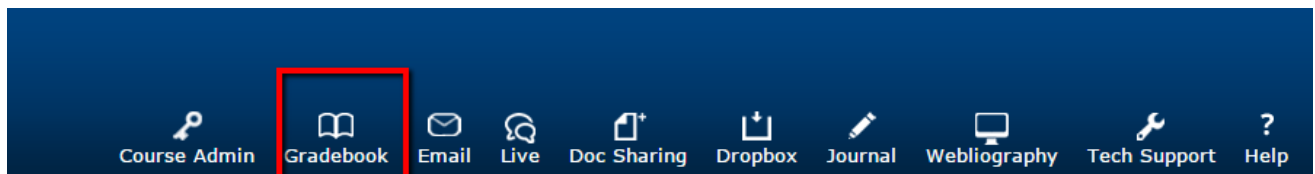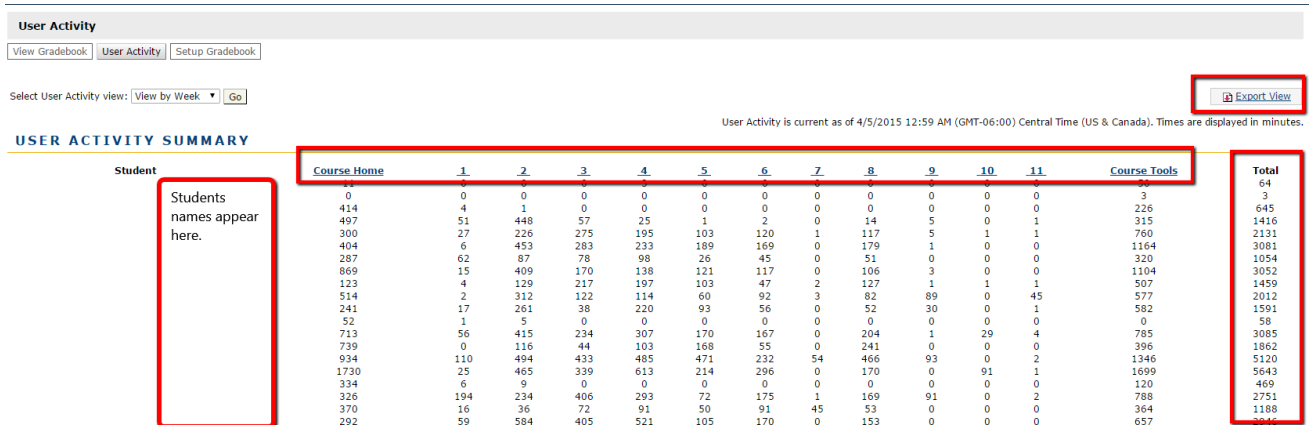
B. Click on **User Activity**

C. Students' names appear in the left field next to **Student.**

1. The amount of time spent in each **unit**, including **Course Home** and **Course Tools** is visible in minutes.
2. The total number of minutes spent in the course is in the far right column named **Total**.
3. The information can be exported to an Excel worksheet by clicking the **Export View** button.

E. To see an individual person's activity, click on the **person's name**.

1. To see time spent on each item in a week or unit click on the **+ sign** to open the week or unit.
2. To download the information click on the **Export View** button.

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