



Pearson

# MyLab Math & Statistics

## December 2017 Update

Greater control over assignments and more opportunities to assess your students



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# The **December 2017 MyLab Release**

Greater control over your assignments and more options to assess student learning.

# Assess Students' Critical Thinking and Decision Making

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The student learning and assessment experience is central to MyLab, and with the December release, you now have an additional way to assess your students.

Updates allow you to assign short-answer essay questions in homework assignments.



# Short-Answer Questions - Student View

Just as you're able to do today in quizzes and tests, with the December release, you will now be able to assign **short-answer essay questions in homework assignments**.

These short-answer essay questions allow students to demonstrate their critical thinking, reasoning, and decision making skills. Select from Pearson authored exercises in some courses or create your own.

## Homework: Week 5 Save

Score: 0 of 1 pt ◀ 5 of 5 (4 complete) ▶ HW Score: 80%, 4 of 5 pts

6.4.87  Question Help 

Regarding normal probability plots:

- Explain in detail what a normal probability plot is and how it is used to assess the normality of a variable.
- How is a normal probability plot used to detect outliers?

  **B** *I* U ~~S~~ I<sub>x</sub>                 $x_2$   $x^2$  Insert Formula

a. A normal probability plot is a plot of the observed values of a variable versus the normal scores - the observations expected for a variable having a standard normal distribution. If the variable is normally distributed, then the normal probability plot should yield roughly a straight line. If the plot is roughly linear, then it is accepted as reasonable that the variable is approximately normally distributed. If it is not roughly linear, then the variable is probably not normally distributed.

b. If the normal probability plot is roughly linear except a small number of points that lie well outside the overall pattern of the plot, it is possible that some or all of those points are outliers. If there is sufficient reason to remove the potential outliers from the sample and doing so results in a plot that is linear without outliers, the analysis can often be carried out with the remaining observations.

# Short-Answer Questions - Instructor View

Short answer questions will be flagged for manual grading.

When Pearson authored questions are available, a correct "Sample Answer" will be provided.

The screenshot shows the 'Review Homework: Week 5' interface. At the top right, it says 'Viewing Results for: Harris Martinson' with a 'Close' button. Below this, the score is 'Score: 1 of 1 pt' and 'HW Score: 100%, 5 of 5 pts'. The question is identified as '6.4.87' and is marked as 'Question is graded.' with a wrench icon. The grade is '1 of 1 pt'. There are buttons for 'Submit Grade', 'Question Help', and a settings gear. A list on the left shows 'Select a question to see student's answer' with five questions, all marked with green checkmarks. The main content area shows the question text: 'Regarding normal probability plots: a. Explain in detail what a normal probability plot is and how it is used to assess the normality of a variable. b. How is a normal probability plot used to detect outliers?'. Below the question is a text box containing the answer for part (a): 'A normal probability plot is a plot of the observed values of a variable versus the normal scores - the observations expected for a variable having a standard normal distribution. If the variable is normally distributed, then the normal probability plot should yield roughly a straight line. If the plot is roughly linear, then it is accepted as reasonable that the variable is approximately normally distributed. If it is not roughly linear, then the variable is probably not normally distributed.' A modal dialog box is overlaid on the answer, titled 'Grade Submitted' with an information icon and a close button. The message inside says 'Your grade has been submitted successfully.' with an 'OK' button. At the bottom of the question area is a 'See Sample Answer' button.

# StatCrunch Question Library

Statistical software is essential for data analysis in most Intro Stats courses, but it is difficult to grade work completed using Excel, TI Calculators, JMP, etc. Through the StatCrunch Question Library, you can assign data sets and corresponding questions by topic or by project, providing more opportunities for students to analyze and interpret data sets in StatCrunch®. The StatCrunch Question Library is available in the Intro Stats CY18 MyLabs and onward.

A prestigious research university has just been awarded a grant by a private, anonymous donor to explore the potential relationship between an individual's natural intelligence measured by their intelligence quotient (IQ) and that individual's annual income. Researchers and the donor are interested in continuing to explore whether nature is a more important factor in a person's final income than nurture. This project is the first of many research projects that will be discussed at the university's upcoming discussion with the donor. The donor has provided a random sample of 500 volunteers and IQ information. The Volunteer Number, Gender, Geographic Region, Annual Revenue, Average Cost of Gasoline, and Miles from Interstate are the variables of interest.

[StatCrunch Data Set](#)

The research team leadership is interested in analyzing the distribution of the Annual Revenue variable. Which of the following best describes the shape of the distribution?

A. The distribution is right-skewed.

B. The distribution is approximately normal.

C. The distribution is left-skewed.

Question is complete. Tap on the red indicator to view the correct answer.

All parts showing   Show completed problem  Work problem

Cracker Barrel (Question #1) - Google Chrome

Secure | <https://www.statcrunch.com/app/index.php?dataid=1958600>

### Cracker Barrel (Question #1)

[Sign in to analyze data!](#)

Row	Geographic	Annual Revenue	Average Cost of Gasoline	Miles from Interstate
1	Southeast	12000000	3.42	0.35
2	Midwest	12378991	3.26	0.58
3	Northeast	12149171	3.29	0.7
4	Midatlantic	14412876	2.68	0.92
5	West	15244993	2.69	0.48
6	South	15157320	2.62	0.1
7	Southeast	13242108	2.86	0.5
8	Midwest	18226327	2.1	0.82
9	Northeast	12763602	3.11	0.34
10	Midatlantic	13905469	2.73	0.31
11	West	19508494	2.08	0.41
12	South	13841958	2.85	0.73
13	Southeast	18352320	2.04	0.12
14	West	18898740	2.2	0.29

# Gain Greater Control Over Your Assignments

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The MyLab December release gives you more flexibility to customize their MyLab course.

Updates allow you to both remove and replace questions from assignments follow student submissions and change LMS grade sync settings after students have submitted results. Additionally, you may now add exercises and hide content within Interactive Assignments.



# Edit Assignments with Results - Replace Questions

After assignments are assigned, and students have started working, you may sometimes find the need to edit the assignment. Today, you have the ability to **remove** questions after students have submitted results, and with the December release, you will now have the ability to **replace** questions after results have been submitted.

The screenshot shows the 'Homework/Test Manager' interface. At the top, there are navigation tabs: 'Create Assignment', 'Change Dates & Assign Status', 'Individual Student Settings', and 'More Tools'. Below these are filters for 'Show All' and 'All Chapters', and a 'View' section with radio buttons for 'Assigned', 'Unassigned', and 'All' (selected). The main content is a table with columns: Order, Ch., Assignment Name, Category, Assigned, Start, Due, and Actions. The table lists five assignments, all marked as 'Assigned' with green checkmarks. A dropdown menu is open for the first assignment, showing options: Unassign, Edit..., Copy..., Settings for Class, Settings per Student, Remove Questions, Replace Question (highlighted with a red box and a red arrow), Preview, List Questions, and Print... Below the table, there is a note: 'This course (Intro Stat) is based on Weiss: Introductory Statistics, 8e Copyright 2017 Pearson Education'.

Order ↑	Ch.	Assignment Name	Category	Assigned	Start	Due	Actions
1	O, 2	Week 2	●	✓	11/13/17		-- Select --
2	1, 2	Test on Chapter 1 & 2	◆	✓	11/13/17		-- Select --
3	O, 4	Week 4	●	✓	11/20/17	11/24/17	-- Select --
4	6	Week 5	●	✓	11/20/17	12/08/17	-- Select --
5	6	Week 6	●	✓	11/27/17	12/08/17	-- Select --

- Unassign
- Edit...
- Copy...
- Settings for Class
- Settings per Student
- Remove Questions
- Replace Question**
- Preview
- List Questions
- Print...

# Edit Assignments with Results - Replace Questions

Simply select the question you wish to remove from the assignment and replace from available questions.

The new question may be previewed prior to replacing.

### Remove/Replace Questions

Remove Question   **Replace Question**

**Assignment name**      Week 6  
**Chapter coverage**      6  
**Displays with chapters**      6  
**Total points**      6  
**Estimated time**      18m 51s  
**Metrics-based assignment difficulty**      Easy (0), Moderate (5), Hard (1), Very Hard (0)  
**History ID**      91027\_H\_17013195\_1

Replacement questions are automatically given to students who have not started the assignment. Students who have already worked on the assignment will get the new question when they start a new attempt. Scores for students who have already completed their assignment are not adjusted.

#	Question ID	Objective	Estimated time	# Points
<input type="radio"/>	1 6.2.37	Determine the area under the standard normal curve.	2m 21s	1
<input type="radio"/>	2 6.2.39	Determine the area under the standard normal curve.	2m 29s	1
<input type="radio"/>	3 6.2.41	Determine the area under the standard normal curve.	4m 12s	1
<input type="radio"/>	4 6.2.43	Determine the area under the standard normal curve.	3m 57s	1
<input type="radio"/>	5 6.2.45	Determine the area under the standard normal curve.	4m 13s	1
<input checked="" type="radio"/>	6 6.2.55	Obtain z-scores.	1m 39s	1

This course (Intro Stat) is based on Weiss: Introductory Statistics, 8e  
Copyright 2017 Pearson Education

# Replace Questions - Student View

For students who have completed the question, they will be prompted to “Do new version” of question. Students who have not yet attempted the replaced question will **not** be prompted and will proceed as normal.

## Homework: Homework 1 Save

Score: 1 of 1 pt ◀ 2 of 5 (5 complete) ▶ **HW Score: 90%, 4.5 of 5 pts**

A new version of this question was assigned by your instructor. To continue working you must do the new version.

[Do new version](#)

# LMS Grade Sync Following Student Results

The December release enables you to change LMS grade sync settings for individual assignments *after* students have submitted results.

This enhancement, being moved to the Change Weights & Grade Sync Settings page, will make it easier for you to manage LMS grade sync settings.

**Assignment Weighting - Edit**

● Homework: Equal weight (10 pts)      ◆ Tests: Equal weight (10 pts)  
■ Quizzes: Equal weight (10 pts)      ▲ Other: Equal weight (10 pts)

All Assignments ▾ All Chapters ▾

Ch.	Assignment Name		Send to Canvas	Assignment Weight	Percent of Overall Score
One	Chapter 1 HW	●	<input checked="" type="checkbox"/>	10 pts	16.7%
2	Chapter 2 HW	●	<input checked="" type="checkbox"/>	10 pts	16.7%
3	Chapter 3 HW	●	<input checked="" type="checkbox"/>	10 pts	16.7%
One	Chapter 1 Quiz	■	<input checked="" type="checkbox"/>	10 pts	16.7%
2	Chapter 2 Quiz	■	<input checked="" type="checkbox"/>	10 pts	16.7%
3	Chapter 3 Quiz	■	<input checked="" type="checkbox"/>	10 pts	16.7%
		<b>Total</b>		60 pts	

# Add Exercises to Interactive Assignments

[Interactive MyLab™ Math and MyLab™ Statistics](#) courses offer a new type of digital learning experience. Written entirely in Pearson's MyLab and powered by new Interactive Assignments, the courses encourage students to interact with material in new, dynamic, and engaging ways.

You will now be able to **select and add questions to interactive assignments** giving students even more opportunities to demonstrate their learning. Questions that have been added will be found under the “Additional Questions” tab.

The screenshot displays the 'Homework: 4.1 Interactive Assignment' interface. At the top, a progress bar shows '0%' (0 points out of 12) and a 'Save' button. Below the progress bar, a navigation menu includes 'Introduction', 'Objective 1', 'Objective 2', 'Objective 3', 'Objective 4', 'Objective 5', and 'Additional Questions', with the latter highlighted by a red box. The main content area is titled '4.1 Scatter Diagrams and Correlation' and includes a section for 'Preparing for This Section'. A question titled '1. Mean' is shown, with a 'Review Assessment' box containing the following text: '3.1.7 Find the population mean or sample mean as indicated. Sample: 15, 8, 7, 13, 22. The sample mean is . (Type an integer or decimal rounded to three decimal places as needed.)'. The question is worth '0 of 1 Point' and includes a 'Question Help' button.

# Hide Content in Interactive Assignments

We've improved Interactive Assignments by giving you complete control and flexibility over the content presented. If you have removed a learning objective from your course, **content that corresponds to that learning objective will no longer appear in Interactive Assignments.**

Trigsted

## Edit Homework

1 Start   2 Remove/Replace Content   3 Choose Settings

**Book** Trigsted: College Algebra Interactive

**Gradebook Category** Homework

**Homework Name**

[Creating assignments for mobile use.](#)

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Would you like this homework to be personalized based on the student's previous results?

Yes, omit questions from objectives that were mastered in test/quiz:

 If this assignment contains items from learning objectives that you have removed from your course, they will not be shown in the My Selections area on Step 2, and they will be removed from the assignment when you click Save.

# Navigation and Ease of Use Improvements

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The December release will give you the ability to view assignment start time and make it easier to navigate between courses.



# New “Date Started” Column in Student Results

With the new “date started” column, instructors now have insight into when each student began working on assignments.

Results ⓘ 🖨 ?

✉ Harris Martinson

[View student achievements](#)

▶ Show Overall Score

All Assignments ▾ Study Plan Results

Results from entire course to date.		Correct/Total	Score	Time Spent	Date Started	Date Worked	Actions
◆ Test on Chapter 1 & 2	<a href="#">Review</a>	9/10	90%	40s	11/27/17 4:01pm	11/27/17 4:01pm	-- Select -- ▾
● Week 6	<a href="#">Review</a>	1.25/6	20.83%	2m 3s	11/27/17 3:51pm	11/27/17 3:59pm	-- Select -- ▾
● Week 5	<a href="#">Review</a>	11/11*	100%	13m 54s	11/27/17 3:17pm	11/27/17 3:32pm	-- Select -- ▾
● Week 2	<a href="#">Review</a>	1/4	25%	4s	11/20/17 5:06pm	11/20/17 5:06pm	-- Select -- ▾
● Week 4	<a href="#">Review</a>	2/10	20%	21s	11/20/17 4:52pm	11/20/17 4:52pm	-- Select -- ▾

# Easier Navigation

Today, when you select “My Courses” from the left-navigational menu, you are sent back to the main My Courses home page. The December update will return you to the same My Courses page from which the course was launched (homepage, inactive tab, search results, member section page, etc.), making it easier for you to quickly navigate to where you need to go.

The screenshot displays the 'MyLab Statistics' interface. On the left is a vertical navigation menu with the following items: 'My Courses' (highlighted with a red box and a blue arrow icon), 'Manage Course' (with a right-pointing arrow), 'Course Home' (highlighted in blue), 'Homework', 'Quizzes & Tests', 'Student Activity Workbook' (with a right-pointing arrow), 'Study Plan', 'Gradebook', 'StatCrunch', and 'Chapter Contents' (with a right-pointing arrow). The main content area is titled 'Course Home' and contains: 'Intro to Stats', an 'Announcements' section with a speech bubble icon, a calendar for 'October' showing days SUN, MON, TUE, and WED with dates 8, 9, and 10, and a 'What to Work on Next' section stating 'There are currently no upcoming assignments' with a link '> View All Assignments'.

# Extend the Learning Experience- Anytime and Anywhere

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The December 2017 update offers enhancements to the Pearson eText to provide a more mobile-friendly and accessible experience for students.

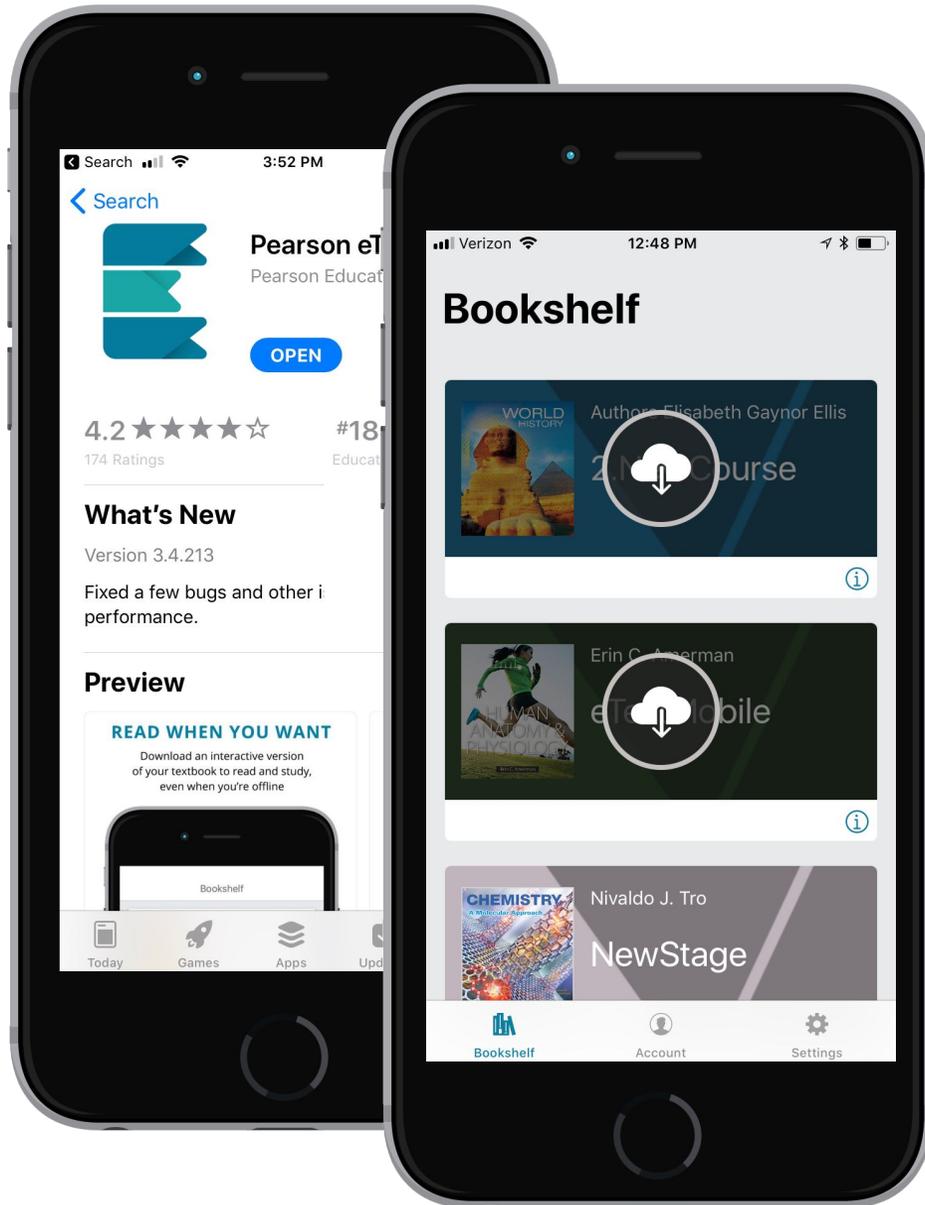


# All eTexts now available on mobile phones

With the updated Pearson eText app for iOS and Android mobile devices, students can access any MyLab eText and read how they want: anytime, anywhere, even offline.

Students can also

- Track exactly what they need to study by creating notes and highlights
- Search for content



ALWAYS LEARNING