



Pearson

# MyLab Statistics

## Efficacy Report Summary

MyLab Statistics is a teaching, learning and assessment system used to teach statistics at the higher education level. It incorporates multimedia instructional materials, interactive tutorials, example datasets, and Pearson's StatCrunch software.

### ***Is usage of MyLab Statistics associated with higher exam scores?***

To analyze the relationship between student usage and course outcomes, we partnered with the School of Business and Economics at Maastricht University in the Netherlands, where students were using MyLab Statistics in the Fall 2015 semester for their first-year course, Quantitative Methods.

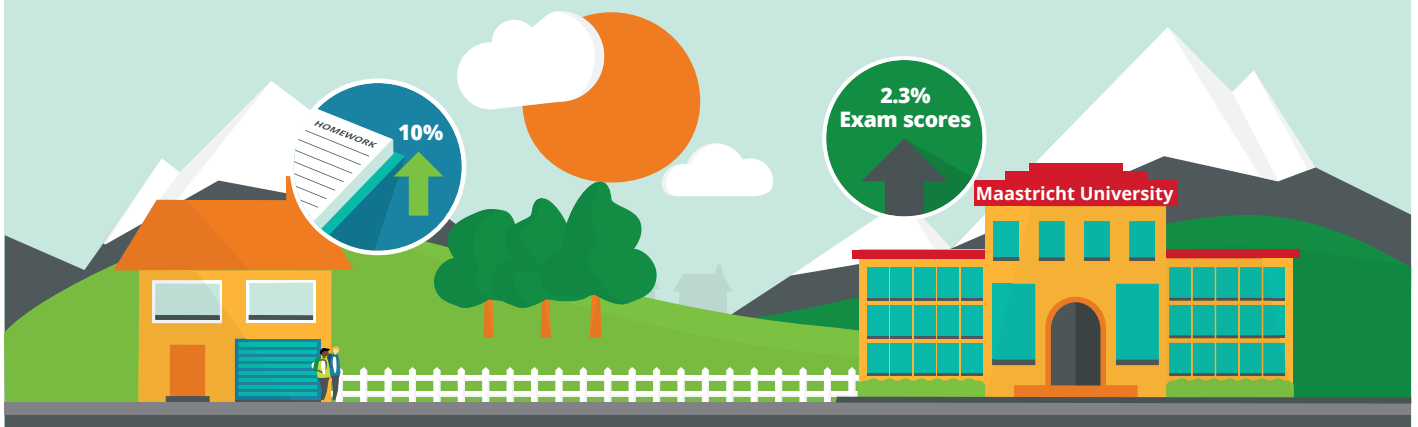
### **What we found**

We found that doing more unique homework questions, better performance in homework assignments, and better performance in quizzes in MyLab Statistics are each associated with better performance on the final exam.

Homework assignments were used to encourage students to learn by testing themselves. Therefore, students were allowed to attempt homework questions as many times as they wanted, to try to improve their score.

**In Fall 2015 a study with a sample of 957 students at Maastricht University, researchers found that:**

**A 10% increase in the percentage of unique MyLab Statistics homework questions attempted is associated with a 2.3% increase in final exam scores**



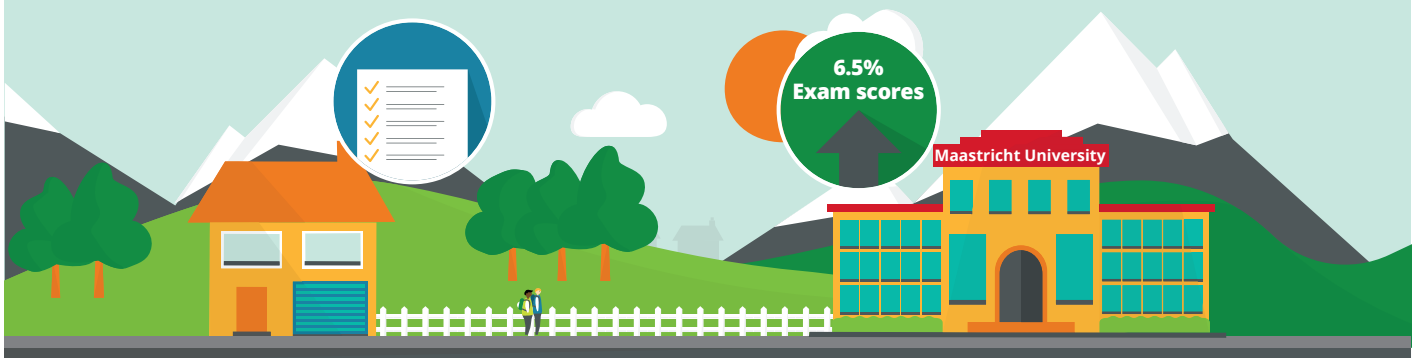
In Fall 2015 a study with a sample of 957 students at Maastricht University, researchers found that:

.... A 10% increase in average MyLab Statistics homework score is associated with a 2.5% increase in final exam scores



In Fall 2015 a study with a sample of 957 students at Maastricht University, researchers found that:

.... And 10% increase in average MyLab Statistics quiz score is associated with a 6.5% increase in final exam scores



In the context of the study conducted at Maastricht University School of Business and Economics for students enrolled in the first-year course Quantitative Methods in the Fall semester of 2015, Pearson is able to make the following statements about the efficacy of MyLab Statistics:

- A 10% increase in the percentage of unique MyLab Statistics homework questions attempted is associated with a 2.3% increase in final exam scores.
- A 10% increase in average MyLab Statistics homework score is associated with a 2.5% increase in final exam scores.
- A 10% increase in average MyLab Statistics quiz score is associated with a 6.5% increase in final exam scores.

*This statement is set out in full in the box titled "Efficacy statements" on page 10 of the Research Report where they have been subject to assurance by PwC, whose report can be found at the end of the Research Report.*

### How we did the research

We examined the relationship between students' use of and performance in MyLab Statistics and their performance on the statistics portion of an independently administered final exam. We measured usage by looking at the number of unique MyLab Statistics homework questions each student attempted. We measured performance in MyLab Statistics by looking at students' average scores in homework assignments and quizzes, and course performance by looking at students' scores on the statistics portion of an independently administered final exam.

Explore the full report at [Pearson.com/corporate/efficacy-and-research](https://www.pearson.com/corporate/efficacy-and-research)

### Pearson's Efficacy Commitment

In 2013, Pearson made a commitment to efficacy: to identify the outcomes that matter most to students and educators, and apply evidence-based approaches to product design, development and implementation support so we could have a greater impact on improving those outcomes. We committed to reporting on the impact of use of products, commencing in 2018 with some of our most frequently used products.

To Pearson, efficacy is more than a commitment to report on the impact of use of our products on outcomes. It is even more than a way to continuously improve our products. Efficacy is a priority for everyone at Pearson. Applying outcomes-focused, evidence-based design to our products, and supporting educators to use them to help more learners learn more, is at the heart of who we are, what we do — and of our vision for the future of learning.