



Research on QM Impact

Getting the Most Bang for Your QM



“Committing to Excellence for Learners”

October 27 - 30 Grapevine, Texas

Welcome



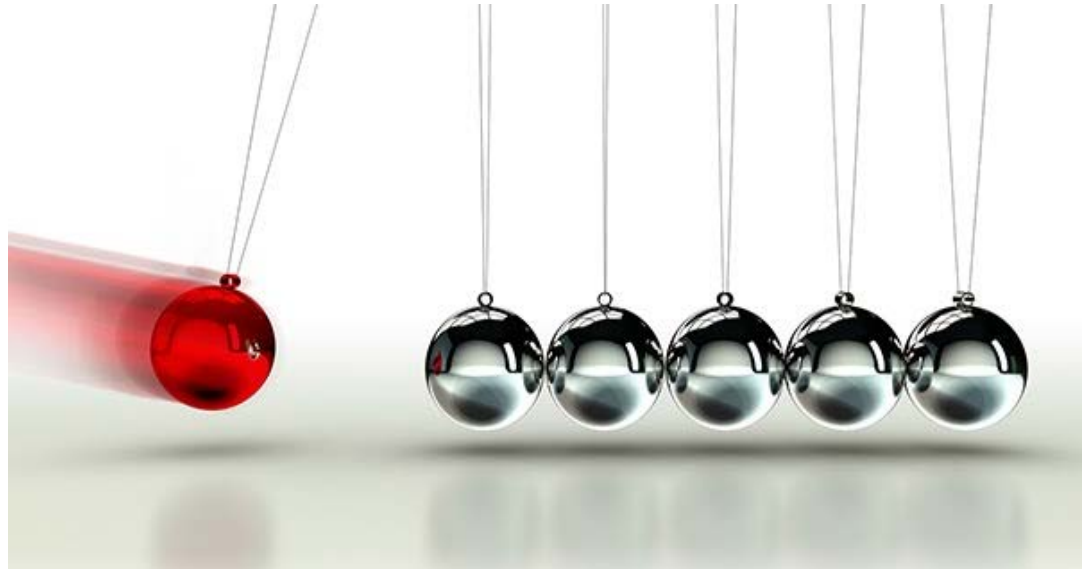
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Let's talk "Impact"

Statisticians caution that the word refers to direct (solitary) causality.



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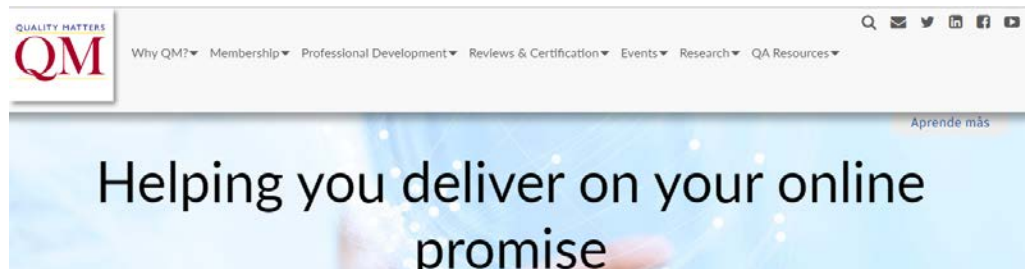


- Course Design
- Course Delivery
- Course Content
- Institutional Infrastructure
- LMS
- Faculty Readiness
- Student Readiness

Research on QM Effect

One good spot:

<https://www.qualitymatters.org/research/curated-research-resources>



Another: <https://www.qualitymatters.org/qa-resources/resource-center/articles-resources>



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Consider

1. Most important studies? Strengths? Lacking?
2. Common threads that led to usable findings?
3. Biggest challenges in doing research on QM effect?
4. Your research questions about QM effect?



Some Findings



Tracking QM Effect Over Time at UDC (2009-2013)

- Longitudinal methodology
- N=1,570
- Results
 - 24% fewer withdrawals
 - 20% increase in passing grades
 - 67% decrease in failing grades



Harkness (2014, 2015)

Southeast Missouri State University (2018)

All courses (~500) underwent internal QM course reviews



- Engagement (LMS activity) up 20% before/after QM use
- Total GPA increasing 1.25%
- A grades increasing 4%/ commensurate decrease in B & C grades
- Withdrawals in graduate courses decreasing

Baranovic, 2018



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Florida International University (2016)

29 redesigned online
course sections
compared to 664 that
had not



- ✓ 16% more student interactions
- ✓ 19% higher rate of student submissions
- ✓ 10% higher course accesses
- ✓ 12% higher course access minutes
- ✓ 51% higher course content item counts
- ✓ 58% higher assessment counts
- ✓ 69% higher tool item count per course
- ✓ 7% higher marks on course evaluations

Lezcano, 2018



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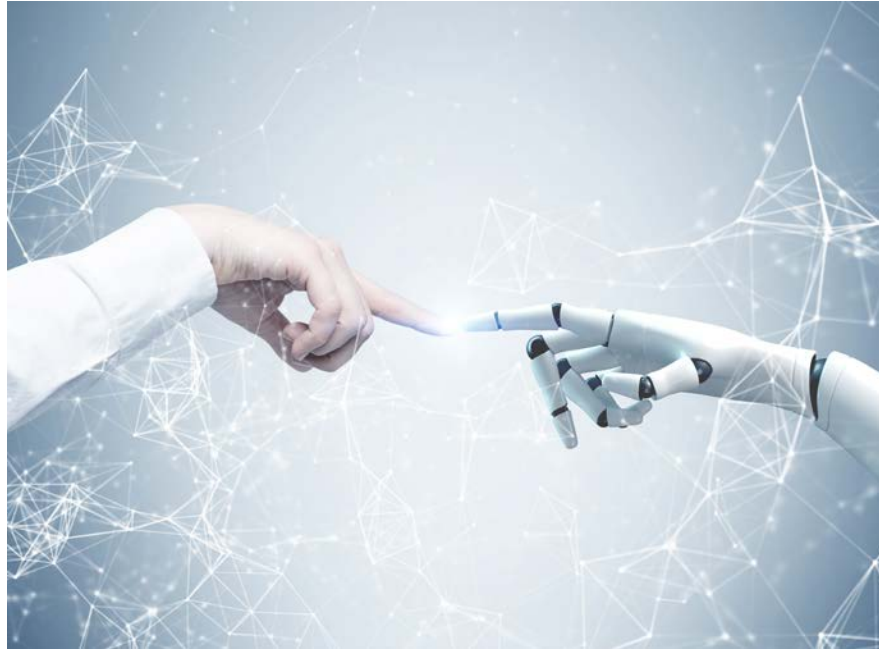
North Carolina Central University (2017)

- Higher informal review scores post APPQMR for Biology course
- Scores significantly correlated to final exam performance & overall course averages.



Hollowell, Brooks & Anderson, 2017

Common Features of Successful Studies



- Principal(s) who are familiar with QM
- Access to the data - connection to a strategic initiative at the organization
- “Clean” pre-condition
- Relatively high N
- Longitudinal time frame



Challenges of Educational Research



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Your Own Questions Re QM Effect: To Think About...

- Why (importance)?
- What (exactly)?
- Who (has the needed data)?
- How (collect & analyze data)?
- When (one shot vs story building)?

- How/when/Who would use results to improve quality?



Questions

1. Most important studies? Strengths? Lacking?
2. Common threads that led to usable findings?
3. Biggest challenges in doing research on QM effect?
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References

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Thank you!

qualitymatters.org/research