

How effective was our QM-based Faculty Development? Using Data Visualization to Assess the Data and Improve Teaching and Learning

Andreas Brockhaus and Sara Frizelle

University of Washington Bothell



UWB at a Glance

1 of 3 University of Washington campuses

5,000 students and 40+ undergraduate and graduate degree programs

51% of UWB students are students of color or first generation college students



eFellows Program

From

Goal: complete
faculty training



To

Goal: teach a course

Meet regularly
as a large group



Meet regularly
individually

Meet for weeks



Meet for months

eFellows specifics

- Must pass QM review prior to teaching a hybrid or online course
- Iterative faculty development
- Participate in assessment activities
- Share resources
- \$2000 mini-grants
- 15 faculty participated
- Ran from 2015-16

What was the impact of our faculty development on students?



Data sources

QM Based Student Survey

- 8 Likert-scale QM questions
- 2 Likert-scale questions about taking a hybrid/online courses
- 1 open-ended question on why they took a hybrid/online course

Student course evaluations

- Both quantitative and qualitative elements

Faculty reflection



Data issues

QM topics don't correspond well to UWB's course evals

No course eval forms for hybrid

- Outdated DL evals
- 2 different course evals used

Coding data for effective use of Tableau



Tableau

- Interactive data visualization software.
- Allows for data sets of any size and from a variety of sources to be explored in a graphical representation.



Finding #1

Faculty almost universally liked using QM to redesign their course to a more student-centric focus

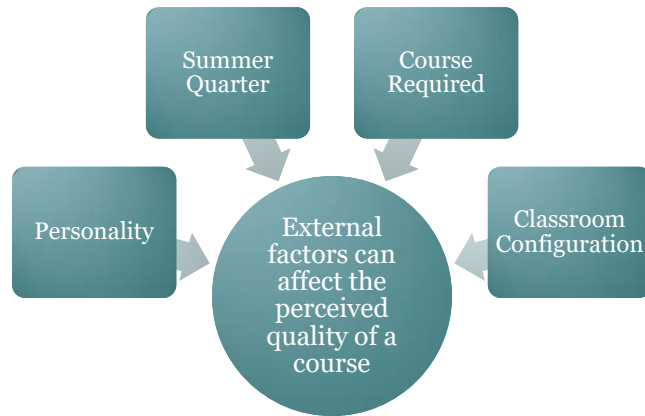


Finding #2

QM enhanced course organization, but that had little effect on students' perceptions of the value of your course work or whether they could track their learning progress.



Finding #3



Finding #4



For hybrid courses, more holistic faculty development is needed

Next Steps

- Reintroduce the faculty as student experience
- Create a hybrid course eval that better captures topics like interactivity
- Change our assessment to better capture faculty development impact
- Use QM as a more continuous improvement model
- Move to more programmatic faculty development



Contact Us

Andreas Brockhaus
Director of Learning Technologies
ajb5@uw.edu

Sara Frizelle
eLearning Planning & Research Specialist
sarafriz@uw.edu