

Bronlyn Wassink

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SUMMARY

Sixteen years of teaching experience in formats including large lecture, small class, lab, and online. Won competitive teaching awards, most recently as a graduate teaching assistant for excellence teaching Business Statistics, STT 315. Successful at teaching technical and theoretical material to undergraduate and graduate business students. Experienced with content creation and curriculum development. Successful with incorporating technology in lecture, groupwork settings, and in course projects.

EDUCATION

- **Ph.D. in Mathematics**, Binghamton University; Binghamton, New York, May 2008.
- **M.S. in Statistics**, Michigan State University; East Lansing, Michigan, May 2013.
Course complete for a Ph.D. in Statistics, Michigan State University.
- **B.A. in Mathematics**, State University of New York at Geneseo; Geneseo, NY, December 2001.

RELEVANT EXPERIENCE

Quantitative Literacy Course Coordinator, MTH 101 and MTH 102 **2015 – present**

Department of Mathematics, Michigan State University, East Lansing, MI

- Teaching responsibilities include teaching multiple large-lecture courses of 250 students each.
 - Consistently high SIRS and positive student feedback.
- Managing and Coordinating Teaching Assistants
 - Managed a team of teaching assistants (GTAs and ULAs) for MTH 101 and 102. Number of teaching assistants per semester has recently varied from 6 to 16.
 - Held weekly meetings to ensure TAs were prepared to assist with weekly labs and to answer student questions.
 - Ensured consistent grading between TAs for exams by organizing exam grading sessions and for projects by creating detailed rubrics that were discussed in meetings.
- Curriculum and Content Development
 - Developed course objectives and content for MTH 101 and MTH 102, as well as decided which mathematical or statistical topics are covered in the courses.
 - Ensure that all content is level-appropriate and applicable to real-life situations.
 - Create labs and projects so students can gain experience and comfort working with data.
 - Have written books/course packs for both MTH 101 and MTH 102.

Applying Business Analytics

2017 – present

Executive Development Programs, *Eli Broad College of Business, Michigan State University*

- Curriculum and Content Development
 - Created several online modules, including lecture videos, study guides, discussion board posts, interactive learning activities, and module quizzes.
- Teaching Software for Analytics
 - Online lecture videos feature Tableau and Excel, and live lectures feature Tableau and R.
- Teaching Statistics for Analytics
 - Focus on when a common statistical method is appropriate for the data and how to interpret the results. Topics include confidence intervals, ANOVA, and regression (linear, exponential, power, logarithmic, and logistic) focusing on both quantitative and categorical independent variables.

Business Analytics Problem Solving, ITM 883 (previously ACC 822)**2015 – present***Master's in Business Analytics Program, Eli Broad College of Business, Michigan State University*

- Curriculum and Content Development
 - Created labs and projects to develop students' familiarity and comfort working with data.
 - Adapted course content to provide students with skills necessary for their corporate analytics project and their summer internships.
- Teaching Software for Analytics
 - Have taught with SPSS and R. Will incorporate Tableau and R in Spring 2019.
 - Willing to teach using Python or other statistical program.
- Teaching Statistics for Analytics
 - Students explore which common statistical method is appropriate for the data and how to interpret the results. Topics include confidence intervals, several types of ANOVA, and regression (linear, polynomial, exponential, power, logarithmic, and logistic).
 - Strong focus on categorical vs. quantitative independent variables in models.
 - Strong focus on effective communication of results to non-technical audiences.

R for Statistics, MKT 891**2018 – present***Master of Science in Marketing Research Program, Eli Broad College of Business, Michigan State University*

- Created and currently teaching the online course "R for Statistics" a one-credit elective course for students in the MSMR program.

Business Statistics, STT 315**2011 – 2015***Department of Probability and Statistics, Michigan State University*

- Teaching assistant and summer instructor.
- Awarded the Dr. William Harkness Excellence in Teaching Award, 2013. Was the only recipient in 2013; received this award based on exemplary teaching observations and student evaluations.

TEACHING EXPERIENCE BEFORE 2011**Department of Mathematics, Utica College, Utica, NY 2008 – 2011***Assistant Professor*

- Taught a variety of undergraduate mathematics courses such as college algebra, calculus, linear algebra, and topology.
- Very positive teaching evaluations.
- Resigned while in good standing to pursue higher education in applied statistics.

Department of Mathematics, Binghamton University, Binghamton, NY 2002 – 2008

Graduate Teaching Assistant

- Taught a variety of undergraduate mathematics courses.
- Awarded a competitive, university-wide, graduate student award for excellence in teaching, 2005.
At that time, this honor was awarded to one graduate student in the mathematics department once every two or three years.

EXCERPTS FROM STUDENT EVALUATIONS

SIRS comments from MSBA students, 2016 and 2017 cohorts

- *Excellent professor. Makes complex topics easy to understand. Easily accessible and very approachable.*
- *Bronlyn did a great job of teaching us in a way that could be digested by people with all different sorts of backgrounds in math. I enjoy math, and I liked the way the class was taught. I know others who hear the word "statistics" and immediately freak out, yet they seemed to be able to follow along well. This is one of the only courses in our program this semester that taught us things that were immediately useful in our projects. Thank you for your enthusiasm and help, Bronlyn!*
- *Her ability to explain and teach complex statistics techniques so that the whole class understands (no matter their previous knowledge of statistics) was incredible. I often reflected on things I previously learned and was able to better understand them after hearing Bronlyn's explanation. I also appreciated her honesty with us as a class when telling us where we should direct our time and where we should not ("go down a rabbit hole"). As a busy graduate student, this was especially appreciated.*

Student Evaluation Comments from STT 315 students, Fall 2013

Open-ended responses were to the question "Would you recommend this teaching assistant to another student? Explain."

- *Yes, probably the best and most caring TA I have had at Michigan State.*
- *YES. She explains things very simply and is very thorough. She presents an efficient methodology & makes seemingly difficult topics easy. Great TA.*
- *She truly is passionate and competent about what she is teaching. You can tell she really cares and is trying to help as much as she can. She goes above and beyond!!! One of the best TAs I've ever had.*
- *Absolutely – Bronlyn goes above & beyond of what I expected a T.A. to carry out. The way she teaches & explains the material is with such care that her students understand. I feel like I can approach her with any statistics questions I may have & she will know exactly what to do.*
- *YES. Very thoroughly explains all material with great understanding. Probably one of the best, if not the best, TA I've ever had.*

Complete sets of student evaluations are available upon request.

PUBLICATIONS

- Bronlyn Wassink (2018). *Book Review: Ten Great Ideas About Chance*. Math Horizons, 26:1, 29, DOI: 10.1080/10724117.2018.1481248.
- Maiuri, A.R., Wassink, B., Turkus, J.D., Breier, A.B., Lansdell, T., Kaur, G., Ganey, P., & Roth, P. (2017). *Synergistic Cytotoxicity from Drugs and Cytokines In Vitro as an Approach to Classify Drugs According to Their Potential to Cause Idiosyncratic Hepatotoxicity: A Proof-of-Concept Study*. The Journal of

Pharmacology and Experimental Therapeutics. 2017 Sep;362(3):459-473. doi:

- 10.1124/jpet.117.242354.
Tunstall, S. L., Melfi, V., Craig, J., Edwards, R., Krause, A. Wassink, B., & Piercey, V. (2016). *Quantitative Literacy at Michigan State University, 3: Designing General Education Mathematics Courses*. Numeracy, 9(2).
- Wassink, B (2011). *Subgroups of R. Thompsons Group F That Are Isomorphic to F*. Groups - Complexity - Cryptology. Volume 3, Issue 2, Pages 239-256, December 2011.

REFERENCES

- **Cheri Speier-Pero, Ph.D.**
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