

Emily Malcolm-White

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HIGHLIGHTS

- passionate educator and student success specialist with 10 years experience supporting university-level students in mathematics, statistics, and R programming
- takes pride in utilizing evidence-based best-practices for instruction and student support; uses active learning and instructional technology to enhance the student experience
- experienced at designing curriculum and developing functional and aesthetically-pleasing educational materials with an emphasis on using field specific, real-world examples; skilled in developing online coursework and digital tools
- committed to fostering a student-centered and inclusive learning environment; utilizes strong interpersonal skills and adoptive approaches to communicate and establish effective working relationships with students of varying skills levels, cultural backgrounds and perspectives

HIGHER ED EXPERIENCE

2019 - now	Mathematics & Statistics Faculty MIDDLEBURY COLLEGE, DEPARTMENT OF MATHEMATICS Middlebury, VT, USA <ul style="list-style-type: none">• instructor for Introduction to Statistical Science (STAT 0116), Introduction to Data Science (STAT 0118), and Calculus I (MATH 0121), and Regression (STAT 0211)• oversees the Mathematics Placement process
2020 - 2023	Statistics Faculty THRIVE SCHOLARS (FORMERLY SCS NOONAN SCHOLARS) <ul style="list-style-type: none">• instructed a 6-week statistics summer bridge program taught synchronously online for college-bound students of color• oversaw the hiring and onboarding of 15 - 20 Mathematics faculty for Summer 2022 and Summer 2023
2021 - 2022	Director of Mathematics Center UNIVERSITY OF NEW HAMPSHIRE, DEPARTMENT OF MATHEMATICS & STATISTICS Durham, NH, USA <ul style="list-style-type: none">• oversaw the design and implementation of a new, larger mathematics tutoring center• supervised and trained 30 undergraduate student tutors• Mathematics Placement Coordinator
2015 - 2019	Math & Statistics Learning Specialist UNIVERSITY OF CALIFORNIA DAVIS, ACADEMIC ASSISTANCE AND TUTORING Davis, CA, USA <ul style="list-style-type: none">• instructed Developmental Mathematics (Algebra, Pre-Calculus), co-requisite Calculus support courses, and Introductory Statistics workshops; instructed the math component of the Summer STEP Program (a 4 week residential program for first-generation low-income students)• involved in recruiting and training mathematics and statistics tutors within the department as well as supervising and participating in the mathematics and statistics drop-in statistics room• analyzed student data for trends and patterns which contributed in meaningful way to the Department's Annual Report and Strategic Plan. Projects included "Retention and Success of MAT D (Algebra II) Students" and "Co-instruction in Calculus to Bridge the Opportunity Gap".• developed and facilitated an Algebra/Pre-Calculus bridge program for incoming freshman taught entirely online; developed online instructional videos, hosted one-on-one support meetings with students, tracked student success and progress• received <i>Educational Opportunity Teaching Award</i> for making a difference in the lives of first-generation, low-income students (student nominated)

EDUCATION

- 2014 | **Master of Science in Statistics**
UNIVERSITY OF VICTORIA
Victoria, BC, Canada
Participated in the AARMS Summer School at Dalhousie University (2014)
- 2012 | **Bachelor of Science in Applied Mathematics and Statistics** with a Certificate in Business
UNIVERSITY OF GUELPH
Guelph, ON, Canada
Award for Highest Cumulative GPA of all Mathematics and Statistics Graduates

PROFESSIONAL DEVELOPMENT

- Teaching and Pedagogy** Teaching Effectively Online, 4-week course at University of Vermont (2021)
Universal Design for Learning, Workshop at Middlebury College (2021)
Active Learning for Busy Skeptics, Workshop at University of Vermont (2021)
Crowdsourced Notes in the Classroom, Workshop at Middlebury College (2019)
Software Carpentry Instructor Training (2019)
Best Practices for Video Creation for Education, Workshop at UC Davis (2018)
Pedagogy for Mathematics, Course at UVic Learning and Teaching Center (2014)
- Diversity and Inclusion** Recognizing Microaggressions, Workshop at Middlebury College (2021)
Inclusive Hiring Practices, Workshop at Middlebury College (2019)
Inclusive Practitioners Program, Workshop Series at Middlebury College (2019)
Veteran Ally Training, Workshop at UC Davis (2017)
LGBTQIA Ally Training I & II, Workshop Series at UC Davis (2017)
Supporting First-Generation College Students, Workshop at UC Davis (2016)
- Advising and Coaching** Coaching Students to Success I & II, Workshop Series at UC Davis (2018)

SOFTWARE SKILLS

- Computing** R (included RMarkdown and Quarto), Git, Unix, MATLAB (beginner)
Typesetting RMarkdown, \LaTeX
Education Canvas, Blackboard, MyStatLab, YouTube (video creation), Gradescope, Slack, Piazza, YellowDig
Other Microsoft Suite (Word, Excel, Access, Outlook), Google Suite (Sheets, Pages, Gmail, Forms), Qualtrics

PUBLISHED WORK

- 2020 | **Malcolm-White E**, McMahon CR, Cowen LLE. Complete tag loss in capture-recapture studies affects abundance estimates: an elephant seal case study. *Ecol Evol.* 2020;00:1-9.
<https://doi.org/10.1002/ece3.6052>

OTHER EXPERIENCE

- 2014 | **Statistical Consultant, SENDWITHUS**, Victoria, BC, Canada
- 2012 | **Merchant Acquisition Intern, AMERICAN EXPRESS CANADA**, Markham, ON, Canada
- 2011 | **Services Product Marketing Intern, BLACKBERRY**, Waterloo, ON, Canada
- 2010 | **Knowledge Management Intern, BLACKBERRY**, Waterloo, ON, Canada