

# Emily Malcolm-White

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## HIGHLIGHTS

- passionate educator and student success specialist with 6 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

## UNIVERSITY/COLLEGE TEACHING EXPERIENCE

2020 -	<b>Statistics Faculty</b> <b>UNIVERSITY OF VERMONT, DEPARTMENT OF MATHEMATICS &amp; STATISTICS</b> Burlington, VT, USA <ul style="list-style-type: none"><li>• instructed Introduction to Statistics (STAT 141, STAT 111), Introduction to Data Science (STAT 087)</li></ul>
2020	<b>Statistics Faculty</b> <b>THRIVE SCHOLARS (FORMERLY SCS NOONAN SCHOLARS)</b> <ul style="list-style-type: none"><li>• instructed a 6-week statistics summer bridge program taught synchronously online</li></ul>
2019 -	<b>Mathematics &amp; Statistics Faculty</b> <b>MIDDLEBURY COLLEGE, DEPARTMENT OF MATHEMATICS</b> Middlebury, VT, USA <ul style="list-style-type: none"><li>• instructed Introduction to Statistical Science (MATH 116), Introduction to Data Science (MATH 216), and Calculus I (MATH 121)</li></ul>
2015 - 2019	<b>Math &amp; Statistics Lecturer / Learning Specialist</b> <b>UNIVERSITY OF CALIFORNIA DAVIS, ACADEMIC ASSISTANCE AND TUTORING</b> Davis, CA, USA <ul style="list-style-type: none"><li>• instructed Developmental Mathematics (Algebra, Pre-Calculus), co-requisite Calculus, and Introductory Statistics workshops; instructed the math component of the Summer STEP Program (a 4 week residential program for first-generation low-income students)</li><li>• 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</li><li>• received <i>Educational Opportunity Teaching Award</i> for making a difference in the lives of first-generation, low-income students (student nominated)</li></ul>
2013 - 2014	<b>Instructor &amp; Teaching Assistant</b> <b>UNIVERSITY OF VICTORIA, DEPARTMENT OF MATHEMATICS AND STATISTICS</b> Victoria, BC, Canada

## EDUCATION

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

## 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, Git, Unix, MATLAB, SAS

**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

2005 - 2010 | **Food and Beverage Server, YIN'S RESTAURANT**, Waterford, ON, Canada

## VOLUNTEER EXPERIENCE

2016 - 2018 | **Mentor, GUARDIAN SCHOLARS PROGRAM**  
mentorship program for former foster youth attending UC Davis

2015 - 2018 | **Weaving & Sewing Instructor, UC DAVIS CRAFT CENTER**

## INTERESTS

American Sign Language, weaving, design

## REFERENCES

available upon request