

# 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
- 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

## EDUCATION

2014	<b>Master of Science in Statistics</b> <b>UNIVERSITY OF VICTORIA</b> Victoria, BC, Canada
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>

## TEACHING EXPERIENCE

2019 -	<b>Math &amp; Statistics Lecturer</b> <b>MIDDLEBURY COLLEGE, DEPARTMENT OF MATHEMATICS</b> Middlebury, VT, USA <ul style="list-style-type: none"><li>• instructing Introduction to Statistical Science, Introduction to Data Science, and Calculus I</li></ul>
2019 -	<b>Instructor</b> <b>SOFTWARE CARPENTRY</b> Various Locations
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, Trigonometry), co-requisite Calculus, and Introductory Statistics courses utilizing evidence-based best-practices of teaching; often using active learning, flipped classroom design, and instructional technology (Canvas, PollEverywhere, Shiny, YouTube, live coding, etc.) to enhance the student experience</li><li>• developed curriculum and materials for an new individualized Algebra/Pre-calculus program for incoming freshman taught entirely online; developed online instructional videos, hosted one-on-one support meetings with students, tracked student success and progress, often collaborated with other invested parties (other instructors, athletics staff, student housing, etc).</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 <ul style="list-style-type: none"><li>• stand-alone instructor an Introduction to Statistics for Business course</li><li>• led weekly tutorials in R for students registered in Introductory Statistics courses</li></ul>

## PROFESSIONAL DEVELOPMENT

Teaching and Pedagogy	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	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)
Advising and Coaching	Supporting First-Generation College Students, Workshop at UC Davis (2016) 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, Moodle, PollEverywhere, YouTube (video creation), Gradescope, Slack, Piazza

**Other** Microsoft Suite (Word, Excel, Access, Outlook), Google Suite (Sheets, Pages, Gmail, Forms), Qualtrics

## PUBLISHED WORK

In Review	<b>E Malcolm-White</b> , LLE Cowen, and CR McMahon. Complete tag loss in capture-recapture studies affects abundance estimates: an elephant seal case study. <i>Ecology and Evolution</i> .
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## OTHER EXPERIENCE

2014	<b>Statistical Consultant</b> <b>SENDWITHUS</b> Victoria, BC, Canada
2012	<b>Merchant Acquisition Intern</b> <b>AMERICAN EXPRESS CANADA</b> Markham, ON, Canada
2011	<b>Services Product Marketing Co-ordinator</b> <b>RESEARCH IN MOTION (BLACKBERRY)</b> Waterloo, ON, Canada
2010	<b>Knowledge Management Specialist</b> <b>RESEARCH IN MOTION (BLACKBERRY)</b> Waterloo, ON, Canada

## VOLUNTEER EXPERIENCE

2017 - 2019	<b>Mentor</b> <b>GUARDIAN SCHOLARS PROGRAM</b> program for former foster youth attending UC Davis
2016 - 2019	<b>Weaving &amp; Sewing Instructor</b> <b>UC DAVIS CRAFT CENTER</b>

## INTERESTS

American Sign Language, weaving, design

## REFERENCES

available upon request