

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	Master of Science in Statistics UNIVERSITY OF VICTORIA Victoria, BC, Canada
2012	Bachelor of Science in Applied Mathematics and Statistics with a Certificate in Business UNIVERSITY OF GUELPH Guelph, ON, Canada <i>Award for Highest Cumulative GPA of all Mathematics and Statistics Graduates</i>

TEACHING EXPERIENCE

2019 -	Math & Statistics Lecturer MIDDLEBURY COLLEGE, DEPARTMENT OF MATHEMATICS Middlebury, VT, USA <ul style="list-style-type: none">• instructing Introduction to Statistical Science, Introduction to Data Science, and Calculus I
2019 -	Instructor SOFTWARE CARPENTRY Various Locations
2015 - 2019	Math & Statistics Lecturer / 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, 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• 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).• received <i>Educational Opportunity Teaching Award</i> for making a difference in the lives of first generation, low-income students (student nominated)
2013 - 2014	Instructor & Teaching Assistant UNIVERSITY OF VICTORIA, DEPARTMENT OF MATHEMATICS AND STATISTICS Victoria, BC, Canada <ul style="list-style-type: none">• stand-alone instructor an Introduction to Statistics for Business course• led weekly tutorials in R for students registered in Introductory Statistics courses

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

VOLUNTEER EXPERIENCE

2017 - 2019	Mentor GUARDIAN SCHOLARS PROGRAM program for former foster youth attending UC Davis
2016 - 2019	Weaving & Sewing Instructor UC DAVIS CRAFT CENTER

INTERESTS

American Sign Language, weaving, design

REFERENCES

available upon request