

TAYLOR M. OKONEK

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EDUCATION

University of Washington, Seattle, WA
Ph.D., Biostatistics

September 2018 - Present

Saint Olaf College, Northfield, MN
B.A., Mathematics and Religion
Concentration in Statistics

September 2014 - May 2018

RESEARCH AND CONSULTING EXPERINECE

Research Assistant

University of Washington, Department of Biostatistics
Supervisor: Jon Wakefield

June 2019 - Present

University of Washington, Department of Environmental and Occupational Health Sciences
Supervisors: Lianne Sheppard, Joel Kaufman

September 2018 - June 2019

Saint Olaf College Center for Interdisciplinary Research

Statistical Consultant

Supervisors: Louis Epstein, Matthew Wright, Sharon Lane-Getaz

September 2016 - May 2018

Saint Olaf College Collaborative Undergraduate Research and Inquiry Program

Student Summer Researcher

Supervisors: Sharon Lane-Getaz

May 2016 - August 2016

TEACHING EXPERINECE

Teaching Assistant

Saint Olaf College, Department of Mathematics, Statistics, and Computer Science

February 2015 - May 2018

- STAT 212: Statistics for the Sciences
- STAT 322: Statistical Theory
- MATH 244: Real Analysis
- MATH 262: Probability Theory

INDUSTRY EXPERIENCE

Data Science Intern

WindLogics, St. Paul, MN

May 2017 - August 2017

AWARDS AND HONORS

University of Washington

ARCS Foundation Fellow

Biostatistics, Epidemiologic, and Bioinformatic Training in Environmental Health Training Grant

Saint Olaf College
 Phi Beta Kappa Honors Society
 Blue Key Honor Society
 Pi Mu Epsilon Honor Society
 Theta Alpha Kappa Honor Society
 Bellows Scholarship
 President's Scholarship

SELECTED SERVICES AND LEADERSHIP EXPERIENCE

University of Washington, Department of Biostatistics

Member - GPA Advisory Group	<i>February 2020 - Present</i>
Member - Biostatistics Activities and Events Squad	<i>September 2019 - Present</i>
Member - Biostatistics Equity, Diversity, and Inclusion Committee	<i>September 2018 - Present</i>

Saint Olaf College

Member - TRIO McNair Scholars Program	<i>January 2016 - May 2018</i>
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PUBLICATIONS

1. Epstein, L.K., **Okonek, T.M.**, Perkins, A.E. (2019). Mind the Gap: Inclusive Pedagogies for Diverse Classrooms. *Journal of Music History Pedagogy*, 9, 2.

IN REVIEW:

1. Han, S.M., **Okonek, T.M.**, Yadav, N., Zheng, X. Distributions of Matching Distances in Topological Data Analysis. *SIAM Undergraduate Research Online*.

IN PROGRESS:

1. Angell, D.K., Lane-Getaz, S., **Okonek, T.M.** The Role of Short Metacognitive Exam Preparation Assignments in an Introductory Biology Course.

SELECTED RESEARCH PRESENTATIONS

1. "Assessing National PM10 Predictions: From 1990 to 2016." BEBTEH Student Research Day, UW, Seattle, WA. April, 2019. { *Poster Session* }
2. "Distributions of Matching Distances in Topological Data Analysis." Underrepresented Students in Topology and Algebra Research Symposium, Portland, OR. April, 2018. { *Poster Session* }
3. "The Music History Game: Assessing Learning through Play." National Conferences on Undergraduate Research, Memphis, TN. April, 2017. { *Poster Session* }
4. "Teacher Professional Learning Communities and Student Achievement." Saint Olaf College Collaborative Undergraduate Research and Inquiry Program, Northfield, MN. August, 2016. { *Poster Session* }

TECHNICAL SKILLS

Programming Languages and Statistical Packages

R, C++, Python, Mathematica, Shiny, Tidyverse

Other Applications

L^AT_EX, Linux/Unix, Git