Sean M. Tomlin

Ph.D. Candidate · Interdisciplinary Ph.D. Program in Biostatistics

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Education

The Ohio State University — *Columbus, OH*
Doctor of Philosophy in Biostatistics — *Aug. 2020 - present*
- Advisor: Bo Lu, Ph.D.

The Ohio State University — *Columbus, OH*
Master of Science in Statistics — *Aug. 2020 - May 2022*

Wright State University — *Dayton, OH*
Bachelor of Science in Statistics — *Aug. 2016 - May 2020*
- Minor in Mathematics
- *Summa cum Laude* with Honors

Positions and Scientific Appointments

2020-2023	**Graduate Fellow**, Division of Biostatistics, The Ohio State University
Summer 2020	**Research Intern**, Hypersonic and Airbreathing Propulsion Branch, Research Directorate, National Aeronautics and Space Administration, Langely Research Center, Hampton, VA
Summer 2019	**Statistician Intern**, Scientific Test & Analysis Techniques Center of Excellence, Air Force Institute of Technology, Wright-Patterson Air Force Base, OH

Publications

Kolsti, Kyle, **Tomlin, Sean**. 2020. Availability Confidence Intervals from Bootstrap Sampling, STAT Center of Excellence Report, 1. Air Force Institute of Technology.

Tomlin, Sean, McBride, Alex, Sigler, Gina. 2019. Survey & Questionnaire Design, STAT Center of Excellence Report, 7. Air Force Institute of Technology.

Honors and Awards

2022-2023	**College of Public Health Fellowship**, College of Public Health, The Ohio State University
2020-2022	**Susan Huntington Dean's Distinguished University Fellowship**, The Ohio State University
2020	**University Honors Scholar**, Wright State University
2016-2020	**Competitive Honors Scholarship**, Wright State University
2016-2020	**Valedictorian Scholarship**, Wright State University

Research Experience

The Ohio State University - Division of Biostatistics — *Columbus, OH*
Advisor: Bo Lu, Ph.D. — *2021 - Present*

Wright State University - Dept of Mathematics and Statistics — *Dayton, OH*
Advisor: Yang Liu, Ph.D. — *2019-2020*
- Thesis: "Feature selection of survival genes in The Cancer Genome Atlas"

Development

Selected Graduate Coursework

- Advanced Statistical Theory
- Theory of the Linear Model
- Generalized Linear Models
- Advanced Computational Statistics
- Advanced Survival Analysis
- Causal Inference for Health Science Research
- Statistical Analysis of Missing Data
- Clinical Trials
- Applied Bayesian Analysis
- Biostatistical Collaboration
- Principles of Epidemiology
- Joint Modeling Different Types of Biomedical Variables
- Statistical Learning and Data Mining in Public Health

Professional Memberships

American Statistical Association