

Callum Doyle

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Education

Southern Methodist University

Ph.D. in Biostatistics

Dallas, TX

Estimated May 2027

University of North Texas

M.S. in Mathematics

Denton, TX

May 2023

Alderson Broaddus University

B.S. in Mathematics, Minor in Computer Science

Philippi, WV

May 2018

Employment

University of North Texas

Teaching Fellow

Denton, TX

August 2022- May 2023

University of North Texas

Teaching Assistant

Denton, TX

August 2020- May 2022

Gamesys Group (Bally's Corporation)

Insights analyst

London, UK

August 2019-July 2020

Key Sports Education

Physical Education Teacher

London, UK

August 2018- August 2019

Teaching Experience

Instructor

University of North Texas

- MATH 1680 – Elementary Probability and Statistics

Fall 2022, Spring 2023

Teaching Assistant

University of North Texas

- MATH 1710 – Calculus I
- MATH 1720 – Calculus II
- MATH 1720 – Calculus II (TAMS)
- MATH 1650 – Pre-Calculus

Spring 2021
Spring 2021, Fall 2021
Fall 2021
Spring 2022

Awards

- Gunst Award for outstanding performance on the PhD Qualifying Exam – Spring 2024
- Research Assistantship funded through Dr. Xuexia Wang's Linda Creagh Fund — Summer 2021, 2022.

Current Research Interests

Survival analysis, Statistical applications in clinical trials, Statistical genetics, Statistical computing, Probability theory.

Research Experience

Master's Thesis

University of North Texas

Advisor: Dr. Xuexia Wang

2021–2023

Research focus: Development of novel statistical methods to identify genetic variants associated with complex diseases, especially in admixed populations

Graduate Research Assistant

Southern Methodist University

Advisors: Dr. Minjae Lee, Dr. Sy Han Chiou

2023–Current

Research focus: Development and extension of statistical methods in clinical trials, particularly in crossover trials; time-to-event data; statistical computing.

Professional Membership

- American Statistical Association (ASA)
- Institute of Mathematical Statistics (IMS)