Callum Doyle

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Education

Southern Methodist University	**Dallas, TX**
Ph.D. in Biostatistics	*Estimated May 2027*
University of North Texas	**Denton, TX**
M.S. in Mathematics	*May 2023*
Alderson Broaddus University	**Philippi, WV**
B.S. in Mathematics, Minor in Computer Science	*May 2018*

Employment

University of North Texas	**Denton, TX**
Teaching Fellow	*August 2022- May 2023*
University of North Texas	**Denton, TX**
Teaching Assistant	*August 2020- May 2022*
Gamesys Group (Bally's Corporation)	**London, UK**
Insights analyst	*August 2019-July 2020*
Key Sports Education	**London, UK**
Physical Education Teacher	*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	Spring 2021
○ MATH 1720 – Calculus II	Spring 2021, Fall 2021
○ MATH 1720 – Calculus II (TAMS)	Fall 2021
○ MATH 1650 – Pre-Calculus	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.