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

Southern Methodist University, UT Southwestern Medical Center **Dallas, TX**
Research Fellow *August 2023 - Current*

University of North Texas **Denton, TX**
Teaching Fellow *August 2020 - May 2023*

Gamesys Group (Bally's Corporation) **London, UK**
Insight analyst *August 2019 - July 2020*

Key Sports Education **London, UK**
Physical Education Teacher *August 2018 - August 2019*

Teaching Experience

Instructor of Record **University of North Texas**

o MATH 1680 – Elementary Probability and Statistics   Fall 2022, Spring 2023

Teaching Assistant **University of North Texas**

o MATH 1710 – Calculus I   Spring 2021
o MATH 1720 – Calculus II   Spring 2021, Fall 2021
o MATH 1720 – Calculus II (TAMS)   Fall 2021
o MATH 1650 – Pre-Calculus   Spring 2022

Awards

o Walsh Award for outstanding performance on the PhD Qualifying Exam – Spring 2025
o Gunst Award for outstanding performance on the PhD Comprehensive Exam – Spring 2024
o Research Assistantship funded through Dr. Xuexia Wang's Linda Creagh Fund — Summer 2021, 2022.

Current Research Interests

Survival analysis, Missing data, Causal inference, Statistical applications in clinical trials, Public health applications.

Publications

Jeon-Slaughter, H., Whyne, E., **Doyle, C.**, Chen, X., Chiou, S., Tsai, S., and Ebrahimi, R. (2026) "New Ten-Year Atherosclerosis Cardiovascular Disease Risk Score for Asian and American Indian Women Service Members" *Journal of the American College of Cardiology: Asia*, accepted.

Research Experience

Research Fellow **UT Southwestern Medical Center**
Advisor: Dr. Haekyoung Jeon-Slaughter *2024–Current*
Research focus: Development of a risk score to predict the 10-year risk of cardiovascular events among women in the Veterans affairs (VA) healthcare system.

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.

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

Professional Membership

o American Statistical Association (ASA)
o Institute of Mathematical Statistics (IMS)
o International Biometric Society (IBS)