

ASHER ROBERTS

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<https://asherbroberts.com>

RESEARCH INTERESTS

Probability, analytic number theory, math education

EDUCATION

CUNY Graduate Center

September 2024

Ph.D. in Mathematics (advisor Louis-Pierre Arguin)

Thesis: Limit Theorems for L -functions in Analytic Number Theory ([link](#))

Queens College

May 2017

M.A. in Mathematics

Western Governors University

December 2013

B.A. in Mathematics (5-12)

CERTIFICATIONS

Mathematics 7-12

October 2017

Professional Certificate from the New York State Education Department

Mathematics 7-12

March 2014

Initial Certificate from the New York State Education Department

EMPLOYMENT

St. Joseph's University

September 2024 - Present

Assistant Professor of Mathematics

P.S. 035 Manhattan High School

September 2016 - September 2024

Program Chair

P.S. 035 Manhattan High School

September 2014 - September 2024

Teacher (tenure awarded September 2017)

Newtown High School

September 2013 - June 2014

Student Teacher

COURSES TAUGHT

High School Level: Pre-algebra, Algebra I, Geometry, Algebra II, Pre-calculus

College Level: Calculus I, Calculus II, Calculus III, Mathematics for Elementary Teachers, Statistics

PUBLICATIONS

A. Egbert, E. Lojek, B. Biswal, A. Roberts. *A Novel Golden Ratio-Based Index for Quantifying Pattern Stability in RS-fMRI Signal Fluctuations*. Submitted. (2025)

A. Roberts. *The Rate of Convergence for Selberg's Central Limit Theorem Under the Riemann Hypothesis*. In: Nathanson, M. B. (eds) Combinatorial and Additive Number Theory VI. CANT CANT 2022 2023. Springer Proceedings in Mathematics & Statistics, vol 464. Springer, Cham. (2025) ([link](#))

A. Roberts. *The Multivariate Rate of Convergence for Selberg's Central Limit Theorem*. Ann. Appl. Probab. **34** (2024), no.3, 33483369. ([link](#))

SEMINARS

CUNY Graduate Center

August 2019 - December 2020

Math Graduate Student Colloquium Organizer

PRESENTATIONS AND TALKS

The Rate of Convergence for Selberg's Multivariate Central Limit Theorem, CUNY Graduate Center Chalk Talk Welcome Event	August 2023
The Rate of Convergence for Selberg's Central Limit Theorem, CUNY Graduate Center Combinatorial and Additive Number Theory Conference	May 2023
The Rate of Convergence for Selberg's Central Limit Theorem, Columbia University Northeast Probability Seminar	November 2022
Selberg's Central Limit Theorem for $\log \zeta(\frac{1}{2} + it) $, CUNY Graduate Center Probability Seminar	May 2022

CONFERENCES ATTENDED

Random Matrices from Quantum Chaos to the Riemann Zeta function University of Bristol, Funding Awarded by NSF	July 2023
Columbia-Princeton Probability Day Columbia University	April 2023
50 Years of Number Theory and Random Matrix Theory Institute for Advanced Study, Funding Awarded by NSF	June 2022

GRANTS AND AWARDS

Resolution A Capital Funding Manhattan Borough President and New York City Council, \$200,000	May 2022
Resolution A Capital Funding Manhattan Borough President, joint work with Joseph Planer, \$150,000	July 2021
Resolution A Capital Funding Manhattan Borough President, joint work with Joseph Planer, \$100,000	July 2020
Resolution A Capital Funding Manhattan Borough President and New York City Council, joint work with Chun Hom, \$135,000	June 2019
Resolution A Capital Funding Manhattan Borough President and New York City Council, \$135,000	September 2018

OTHER

YouTube channel [@asherroberts](#) with math video lectures covering calculus and linear algebra
1,316,922 views as of February 2025

Proficient with HTML, CSS, Python, AWS, git, and L^AT_EX