Michael Foss

Professional Summary

Experienced mathematics educator and statistical analyst with a strong background in higher education instruction and federal statistical methodologies. Skilled in data analysis, survey sampling, and curriculum development. Proven ability to collaborate across departments and communicate complex mathematical concepts to diverse audiences.

Education

Clemson University – Clemson, SC
Master of Science in Mathematics, May 2021
GPA: 3.59
Relevant Coursework: Data Analysis, Probability, Statistical Methods, Design and Analysis of Experiments

Providence College – North Providence, RI
Bachelor of Science in Mathematics, May 2019
GPA: 3.77 | Magna Cum Laude
Relevant Coursework: Probability and Statistics, Linear Algebra, Computer Science (C++), Calculus I–III

Professional Experience

Instructor of Mathematics
University of South Carolina at Beaufort – Beaufort, SC
August 2022 – Present
Supervisors:

- Teach undergraduate mathematics courses both in-person and virtually
- Develop and implement course assessments, lecture notes, and instructional videos
- Collaborate with departmental faculty to ensure alignment with learning outcomes
- Courses taught:
    - College Algebra
    - Precalculus
    - Finite Mathematics
    - Calculus II
    - Calculus for Business Administration and Social Science

Mathematical Statistician (Federal Position)
U.S. Census Bureau – Suitland, MD
December 2021 – July 2025 | Full-time (40 hrs/week)

- Conducted statistical reviews and maintained sample designs for economic surveys
- Ensured compliance with federal data disclosure and suppression standards
- Developed post-stratification methodology for the Annual Integrated Economic Survey
- Reviewed time series data and recommended adjustments
- Tested imputation techniques and contributed to Quarterly Services Survey press releases

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Training & Certifications

- **Data Science Training Program: Python**, July–September 2024
- **SAS Training: Probability Surveys 1**, Sept–Oct 2022
- **SAS Training: SAS SQL1: Essential**, May 2022

Languages

- **Spanish**
  - Spoken: Novice
  - Written: Intermediate
  - Reading: Intermediate