

Pete Benbow — Curriculum Vitae

Education

A.B., Political Science (2007), Davidson College

Experience

Davidson College

James B. Duke Assistant Professor of the Practice in Data Science (2024 - Present)

- Advising students majoring in Data Science
- Faculty mentor, Community Research Fellows program
- Developing extracurricular Data Science programs, including ASA DataFest and the Public Good Data Wrangle
- Developed Davidson's first course with a DAT (Data Science) subject code, DAT-153 Database Programming
- Participated in interviewing and hiring Davidson's first tenure-track Professor of Data Science

Director of Data CATS (2024 - Present)

- Managing a team of student tutors/consultants who provide data science services to students, faculty, staff, and community members
- Consulted on research project to identify significant drivers of donor giving in advance of new fundraising campaign
- Developed a dashboard visualizing planned courses for future years to aid departments in optimizing their schedules

Technology & Innovation Department

- Manager of Data Operations (2023 - 2024)
- Business Intelligence Developer (2017 - 2023)

Committee and Task Force Service

- Learning Spaces, Technology, and Design Committee (2025 - present)
- Strategic Planning working group member: "Discovering Passions, Developing Purpose" (2023 - 2024)
- Search Committee: Director of Institutional Research (Spring 2024)
- Search Committee: Assistant Director of Grants and Contracts (Fall 2019)
- Working group for proposed Policy Studies major (2025 - 2026)
- Data Governance Committee (2017 - 2024)

Other Service

- Holistic/pre-major advisor (2019 - Present)
- Davidson College Class of 2007 Class Secretary (2026 - present)

Garretson Resolution Group

Director of Research & Analytics (2015 - 2017)

Manager of Research & Analytics (2013 - 2015)

Medical Review Associate (2012 - 2013)

Teaching

Classroom Instruction

- DAT 395: Independent Study: Data Engineering (Spring 2026)
- DAT 342: Data Engineering (Fall 2026 - Present)
- DAT 153: Database Programming (Spring 2025 - Present)
- DAT 110: Data Science & Society (Fall 2024 - Present)

Online Instruction (edX)

- Analyzing & Visualizing Data with Power BI (2020 - present)
- Introduction to SQL (2021 - present)

Software Development

R Packages/Projects

pipevizR: An R package that diagrams data lineage from tidyverse pipeline code — Creator and primary author ([GitHub](#))

gradeR: An R package that autogrades programming assignments in Gradescope — Co-author ([GitHub](#) | [CRAN](#))

CatScheduler Dashboard: Interactive dashboard visualizing planned course schedules — Creator ([GitHub](#) | [In Production](#) | [Prototype](#))

Data Engineering Projects

Davidson College Enterprise Data Warehouse (EDW): Enterprise data warehouse supporting institutional reporting

Power BI Projects

Davidson College Fact File: Institutional fact book (go.davidson.edu/factfile)

National Student Clearinghouse graduate outcomes: Graduate outcomes reporting

Davidson College departmental finance reports: Departmental finance reporting

COVID-19 campus contact-tracing report: Campus contact-tracing dashboard

Tutorial Services Dashboard: Tutorial services reporting

Conferences & Presentations

“Modeling Further Education of Graduates with NSC Data in Power BI”, with L. Boyles

- North Carolina Association for Institutional Research (April 2024)
- Southern Association for Institutional Research (October 2023)
- Association for Institutional Research (June 2023)

“Database DevOps in Azure: Prepare for Ludicrous Speed”

- PASS Data Community Summit (November 2022)

“Data Crunch: Using Your Data to Streamline Employer Engagements”, with B. Adams

- Southern Association of Colleges and Employers (June 2020)

“Automating the Enterprise Data Warehouse Using Azure DevOps”

- Higher Education Data World Conference (April 2019)

Professional Service

- Graduate, MOR Leaders Program for liberal arts colleges (2023-2024 cohort)
- Founder and co-organizer, Higher Education Power BI User Group (Aug 2023 - Jan 2025)
- Member, American Statistical Association (2024 - Present)

Honors and Awards

- 2023: First Place, Best Innovative Practice, Southern Association for Institutional Research annual conference (with L. Boyles)