



Louise Hadden presented at her first SAS conference in 1996 and has never looked back, presenting at multiple conferences across the continent over the years, 200+ presentations and counting. She supports file building and analytic programming for life sciences organizations, most frequently for government agencies such as CMS, AHRQ, and CDC, and specializes in reporting and data visualization. When she is not writing SAS papers or going to SAS conferences (or working!), she is a voracious reader, volunteers at her local animal shelter, and donates platelets and plasma at the American Red Cross.



Troy Martin Hughes has been a SAS practitioner for more than 20 years, has managed SAS projects in support of federal, state, and local government initiatives, and is a SAS Certified Advanced Programmer, SAS Certified Base Programmer, SAS Certified Clinical Trials Programmer, and SAS Professional V8. He has given more than 150 presentations, trainings, and hands-on workshops at SAS conferences, including at SAS Global Forum, SAS Analytics Experience, WUSS, SCSUG, SESUG, MWSUG, PharmaSUG, BASAS, BASUG, and MSUG. He has authored three groundbreaking books that model software design and development best practices:

- PROC FCMP User-Defined Functions: An Introduction to the SAS® Function Compiler (2024)
- SAS® Data-Driven Development: From Abstract Design to Dynamic Functionality, Second Edition (2022)
- SAS® Data Analytic Development: Dimensions of Software Quality (2016)

Troy has an MBA in information systems management as well as other credentials, including: PMP, PMI-RMP, PMI-PBA, PMI-ACP, SSCP, CISSP, CSSLP, Network+, Security+, CySA+, CASP+, Cloud+, CISA, CGEIT, CISM, CRISC, ITIL Foundation, CSM, CSP-SM, CSD, A-CSD, CSP-D, CSPO, CSP-PO, CSP, and SAFe Government Practitioner (SGF). He is a US Navy veteran with two tours of duty in Afghanistan.



Michael Salé is an Associate Professor of Management Information Systems at Stonehill College. He has vast experience in information technology management/consulting and multiple successes in helping organizations leverage IT systems to meet their strategic goals. He is also an Agile and XP software development coach. Dr. Salé began his career

as a Senior Project Manager in the higher education software industry where he led the implementation of enterprise-level administrative software at hundreds of colleges and universities in the United States and overseas. He also owns his own consulting firm, Portico Consulting Group, which specializes in providing services to college and university information technology teams. His main teaching areas include management information systems, data analytics, and software engineering. He has been using SAS for nearly 25 years and has been teaching SAS skills throughout his tenure at Stonehill. In 2023, he was recognized as the [SAS Distinguished Educator](#).