

Education

PhD, Educational Psychology
MSEd, Special Education
MS, Mathematics
BS, Mathematics Education

Purdue University
Purdue University
Kansas State University
Purdue University

Recent Appointments

Clemson University • Clemson, SC

Chief Student Success & Empowerment Officer

2023-present

Affiliate Faculty, Department of Engineering & Science Education

2020-present

Chief Data Officer

2017-23

Purdue University • West Lafayette, IN

Adjunct Faculty, Department of Curriculum & Instruction

2020-present

Faculty Fellow, Center for Instructional Excellence

2015-18

Director, Office of Institutional Effectiveness

2015-17

Assistant Head, Department of Mathematics

2011-15

Recent Relevant Publications

- [1] Hord, C. & Wiles, B. (2023). Making models of working memory: A teaching and assessment tool. *Teacher Education Quarterly*. Vol. 50, Iss. 3: 78-96.
- [2] Wiles, B. & Levesque-Bristol, C. (2023). Motivation and achievement in undergraduate STEM calculus: Applying Self-Determination Theory to examine the differential impact of learning environments across demographic groups. *School Science and Mathematics*, 1– 14.
- [3] Wang, C., Cho, H.J., Wiles, B., Moss, J.B., Bonem, E.M., Li, Q., Lu, Y., & Levesque-Bristol, C. (2022). Competence and autonomous motivation as motivational predictors of college students' mathematics achievement: From the perspective of Self-Determination Theory. *International Journal of STEM Education*, 9, 41.
- [4] Miller, B., Wiles, B., Herrygers, A., & McLean, L. (2021). Developing perceptions about science in pre-service early childhood educators. *School Science and Mathematics*, 121(8), 481-494.
- [5] Wiles, B. & Levesque-Bristol, C. (2020). On the removal of motivational and structural barriers in the classroom and across the mathematics curriculum. In C. O. Anhalt (Ed.). *Access to Mathematics: Opening Doors for Students Currently Excluded, Critical Issues in Mathematics Education 2018, Vol 14*

Recent Relevant Presentations

- [1] Weiner, B., Chadna, R., Kew-Fickus, O., Wiles, B., & Wilkinson, K. (2023). *Hub, Spoke, Fabric? CDOs' Perspectives on the Role of IR in Data Strategy*. Association of Institutional Research National Forum, Cleveland, OH.
- [2] Wiles, B. & Levesque-Bristol, C. (paper accepted, 2023). *Identifying, Understanding, and Addressing Inequity in STEM Education Using Self-Determination Theory*. American Educational Research Association National Meeting, Chicago, IL.
- [3] Wiles, B. (2022). *Generating Academic Value from Institutional Data: Bridging the Gap*. Higher Education Data Warehousing Forum, University of Illinois, virtual.
- [4] Wiles, B. & Sugathan, R. (2021). *CDO Pathways and Priorities: Pragmatic Perspectives on the Position*. EDUCAUSE Annual Conference, Philadelphia, PA.
- [5] Kuh, G., Levesque-Bristol, C., Wiles, B. Morris, P., & Hutchings, P. (2019). *Taking Student-Centered Pedagogy to Scale: How One University Has Done It (and You Can, Too!)*. Association of American Colleges & Universities Annual Meeting. Atlanta, GA.

- [6] Wiles, B. & Levesque-Bristol, C. (2018). *College Algebra and the Confluence of Transformations in Curricula, Pedagogy, Placement, and Culture*. Gateway Course Experience Conference, Gardner Institute for Excellence in Undergraduate Education, Houston, TX.
- [7] Yater, Z. & Wiles, B. (2017). *Deploying Business Analytics in Higher Education*. Association of Institutional Research National Forum, Washington, DC.

Recent Invited Talks & Media

- [1] Wiles, B. (2023). *Data and Analytics: Is Data the New Digital Currency?*. Digital Technology Solutions' Digital Awareness Series. University of Cincinnati, Cincinnati, OH.
- [2] Wiles, B., Chadna, R., & Kew-Fickus, O. (2023). *Building a Data-Informed Culture*. EDUCAUSE Executive Leadership Academy, virtual.
- [3] 2023 EDUCAUSE Horizon Report: Action Plan for Data Governance (Expert Panel Member). EDUCAUSE. <https://library.educause.edu/resources/2023/3/2023-educause-horizon-action-plan-data-governance>
- [4] Karkera, A., Dandapani, A., Marsico, J., Wiles, B. (2023). *Datathons – Crowdsourcing Data Solutions for the Public Domain*. CDO & Data Leaders' Global Summit, virtual
- [5] Collison, D. w/ Wiles, B., (2022, October 18). Clemson University CDO: Humanize your Change. *CDO Magazine*, https://www.cdomagazine.tech/cdo_magazine/topics/leadership/video-clemson-university-cdo-humanize-your-change/article_2bb997b6-4ee4-11ed-a5c0-4ba37afe3f03.html
- [6] 2022 EDUCAUSE Horizon Report: Data & Analytics Edition (Expert Panel Member). <https://library.educause.edu/-/media/files/library/2022/7/2022hrdataandanalytics.pdf>.
- [7] Wiles, B. (2020). IT and Analytics: A Match Made in Heaven or a Marriage of Convenience? Higher Education Academics and CIOs Engage Program, RTM, virtual
- [8] Wiles, B. (2018). *Construction of Sustainable, Motivationally-Supportive Mathematics Learning Environments in Higher Education*. ESED Research Seminar, Clemson University.

Courses Taught

Graduate: Assessment in STEM Education, Teaching and Learning Data Analysis and Probability, Advanced Readings in Mathematics Education

Undergraduate: Institutional Data Research Seminar, Probability Theory, Linear Algebra, Real Analysis, Ordinary and Partial Differential Equations, Introduction to Proof, Axiomatic Geometry, Plane Analytic Geometry and Calculus (I, II, & III), Math for Elementary Teachers (I, II, & III), College Algebra, and Inferential Statistics

Recent Professional Service

Advisory Board Member, Gartner Data & Analytics Summit North America	2019-present
Advisory Board Member, Empowering Faculty to Run Online Learning Experiments, NSF IUSE: EHR #1915363	2019-present
Reviewer, American Educational Research Association Annual Meetings	2020-present
Mentor, Executive Leadership Academy, EDUCAUSE	2023-present
Referee, School Science and Mathematics Journal, Wiley Blackwell Publishers	2022-present
Global Editorial Board Member, CDO Magazine	2023-present
Co-Chair, Higher Education Chief Data Officer Working Group, EDUCAUSE	2020-23
Member, Community Group Leaders Committee, EDUCAUSE	2020-23
Reviewer, American Psychological Association Annual Convention	2022
Reviewer, Transforming STEM Higher Education Conference, Association of American Colleges & Universities	2022
Member, Membership Committee, Ed Psych Division, American Psychological Association	2017-19
Member, Scholarship Committee, Association for Institutional Research	2017-18