EDUCATION

**2009-2014 Colorado State University Fort Collins, Colorado**

*Ph.D. - Educational Research Methodology*

* Coursework included: psychometrics, general linear modeling, quantitative research design, longitudinal data analysis, analysis of variance, path analysis, qualitative data analysis, mixed methods, narrative inquiry, & analysis of discourse
* Dissertation topic: *Development and Validation of the Teacher Writing to Learn Scale*
* Advisor: Dr. Gene W. Gloeckner, Professor

**2007-2009 University of Colorado at Denver Denver, Colorado**

*M.A.-Educational Psychology: Research, Statistics, and Evaluation Methodology*

* Coursework included: advanced statistics, qualitative research, program evaluation, measurement
* Advisor: Dr. Alan Davis, Professor

1997-2001 Fort Lewis College Durango, Colorado

*B.A.-English and Education*

* Coursework included: Educational psychology, multicultural education: classroom management, literary analysis, literary theory, and supervised student teaching
* Senior thesis: *Literature as a function of archetypal experiences in James Joyce’s ‘Portrait of the Artist as a young Man’ and in Durante (Dante) Alighieri’s ‘The Inferno’.*

PEER REVIEWED PUBLISHED

**Perkins, M.A.**, Carrier. J.W. & Schaffer, J.M. (2023). Predictability of high school GPA on community college GPA and math and English course success for non-traditionally aged students: a path analysis. *Journal of Applied Research in the Community College*.

Hunt, T., Kassel, A., & **Perkins, M.A**., (2023). School Psychologists’ Lived Experiences of COVID-19. Psychology in the Schools.

**Perkins, M.A.**, Carrier, J.W. & Schaffer, J.M. (2023). Course placement for non-traditional community college students. *Community College Journal of Research and Practice*. <https://doi.org/10.1080/10668926.2023.2216659>

Carrier, J. W., Scull, W. R., **Perkins. M. A.** & Schaffer, J.M. (2023). Understanding institutionally supported free college programs. *New Directions for Community Colleges*.

Carrier, J. W., **Perkins, M.A.**, & Scull, W. R. (2023). The role of external factors in rural serving community college faculty retention. *Journal of Education Human Resources.*

**Perkins, M.A.,** Carrier, J.W. (2023). Using R Shiny to develop a dashboard using IPEDS, Census, and Labor Data*. PLOS One, 18*(1). <https://doi.org/10.1371/journal.pone.0278573>

Inouye, M. Houseal, A. Gunshenan, C., McReynolds, A. **Perkins, M.A**. (2023). Exploring collaborative professionalism as a means of virtually supporting rural teachers. *The Rural Educator, 44*(1)*.* <https://doi.org/10.55533/2643-9662.1313>

Carrier, J. W., **Perkins, M. A.**, & DeDiego, A. C. (2022). Exploring relationships between full-time faculty and community college student success. *Community College Journal of Research and Practice*. <https://doi.org/10.1080/10668926.2022.2156634>

**Perkins, M.A.** (2022). The Relationship between teacher efficacy, writing apprehension, and writing to learn using structural equation modeling. *Journal of Writing Analytics, 6, 15-57*. <https://doi.org/10.37514/JWA-J.2022.6.1.03>

Carrier, J.W., **Perkins, M.A.**, Wilson, B. A., Smith, S., Maestas, S., & Schaffer, J. M. (2022). Community college course success rates by semester block: A report on an institutional research team’s findings and recommendations. *Journal of Applied Research in the Community College*, 29(2), 89-104.

Scull, W.R., **Perkins, M.A.**, Carrier, J.W.., & Barber, M. (2022). Community college institutional researchers’ knowledge, experience, and perceptions of machine learning. *Community College Journal of Research and Practice,* ahead of print, 1-15. https://doi.org/10.1080/10668926.2022.2043202

Elliot, J., **Perkins, M.A.**, & Thelvin, M. (2017). Measuring undergraduate students’ construction education domain self-efficacy, motivation and planned behavior: Validation of a concise survey instrument. *International Journal of Construction Education and Research, 14*(4).

Leech, N. L., Crepeau-Hobson, F., Haug, C. A., & **Perkins, M.A.** (2015). Online research and evaluation methods programs in the United States. *Quality Approaches in Higher Education.*

Aragon, A., Culpepper, S. McKee, M.W., & **Perkins, M.A.** (2013). Understanding the profiles of preservice teachers with different levels of commitment to teach in urban schools. *The Journal of Urban Education*, online April 22.

Culpepper, S.A., Basile, C., Ferguson, C.A., Lanning, J.A., & **Perkins, M.A.** (2010). Understanding the transition between high school and college mathematics and science. *The journal of mathematics and science: Collaborative explorations, 12*, 157- 167.

PEER REVIEWED UNDER REVIEW

**Perkins, M.A**. and Carrier, J.W. (In Review). *A protocol to use posit and shiny to program a degree to careers dashboard*. *STAR Protocols*.

Maddox, R.P., **Perkins, M.A**. Palmer, K. (In Review). Does identified gender mediate the effects of mental health on wanting to quit teaching in a rural state? *AERA Open*.

**Perkins, M.A**., Hickman, B., Mercier, A.K. & Palmer, K. (In review). Factors predicting the desire to quit teaching: An analysis of teachers in a rural state. *Teaching and Teacher Education*.

Mercier, A. K., Miller-Rushing, A., Lingle, J.H. and **Perkins, M.A**. (In Review). Development and Validation of an instrument investigating elementary teachers’ sense of agency for science instruction. I*nternational Journal of Science Education*.

SOLICITED PUBLICATIONS/EVALUATIONS (NON-REFEREED)

Perkins, M.A. (2022). Teacher attrition in Wyoming: Factors to consider. Cheyenne, WY: Wyoming Education Association.

Perkins M.A. (2019). *The choropleth showing the density of persons with associate degrees or higher by Wyoming County.* Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2019). *The projected effect of the increase of tuition and the increase of the tuition cap on future revenue*. Cheyenne, WY: Office of Institutional Research. Laramie county Community College.

Perkins, M.A. (2019). *The effectiveness of the tutoring center*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2018). *The efficacy of math and English placement protocols.* Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. and Sorensen, Z. (2018). *The results of a focus group interview with student leadership*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2018). *The correlation of growth in state productivity with growth in education: 1980 to 2016*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2018). *Differences in student profiles and demographics between the 2011-12 academic year and the 2016-17 academic year at Laramie County Community College*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017). *Tuition and fees generated by for-credit swimming classes*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017). *Graduation, transfer, and retention of students who complete the introduction to college course at LCCC*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017). *Development of the faculty advising survey*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017). *College attendance by high school*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. and Schaffer, J. (2017). *State Postsecondary enrollment and population trends: Implications for Wyoming.* Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017) and Smith, S.E. *Factors related to degree-seeking students who are not retained or do not persist at Laramie County Community College*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017). *Predictors of ZOO student success rates. Laramie County Community College*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

*Perkins, M.A. (2017). Age and location of first year students. Laramie County Community College*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017) *Pretest and posttest scores of Spanish students*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017). *Spanish key performance indicators by location*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017) *Demographic profiles of students from the fall of 2014 to the spring of 2017*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017). *The profiles of housing students at LCCC for the fall of 2016 and spring of 2017*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017). *College math and English pass rates between the fall of 2015 and fall of 2016*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017). *Evaluation of predictability of placement protocol for math and English: Fall, 2015 through Fall, 2016*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2017). *Number of programs declared by students as of the Fall, 2016 term.* Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2016, 2017). *Enrollment and developmental course performance of disability student services’ students*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A., (2016, 2017). *Evaluation of the education program given campus location*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2016, 2017). *Enrollment and academic performance of student leaders*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A., (2016). *Evaluation of the English program: Courses at or above English 2020*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A., and Smith, S.E. (2016, 2017, 2018). *Learning commons evaluation. Laramie County Community College*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2016, 2017, 2018). *Potential effects of the removal of a tuition cap. Laramie County Community College*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2016). *LCCC characteristics of completers of health information and technology management programs*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2016). *LCCC student enrollment trends of athletic and non-athletic years. Laramie County Community College*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2016, 2017). *Enrollment and developmental course performance of counseling students*. Laramie County Community College. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins M.A. (2016, 2017). *Long-term enrollment of students in SEEK and CAMP*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2016). *Developmental English course evaluation*. Cheyenne, WY: Office of Institutional Research. Laramie County Community College.

Perkins, M.A. (2015) *Reassessment of child maltreat risk in public child welfare systems*. Fort Collins, CO: Social Work Research Center, School of Social Work. Colorado State University.

Perkins, M.A. & Orsi, R. (2014). *An overview of the literature on actuarial and consensus assessments and positive items*. Fort Collins, CO: Social Work Research Center, School of Social Work. Colorado State University.

Perkins, M.A. (2014). *Juvenile Sex offender treatment: Top takeaways from the study*. Fort Collins, CO: Social Work Research Center, School of Social Work. Colorado State University.

Perkins, M.A. (2014) *Comparison of core service outcomes in Larimer County fiscal year 2013: Top takaways from the Study*. Fort Collins, CO: Social Work Research Center, School of Social Work. Colorado State University.

Perkins, M.A. (2014). *Program evaluation of the Colorado Consortium on Differential Response: Final report 2014, top takeaways*. Fort Collins, CO: Social Work Research Center, School of Social Work. Colorado State University.

Perkins, M.A. (2014) *Child Outcomes in Colorado: A Matched comparison between Children in Kinship and Foster Care, 2006: Top takeaways*. Fort Collins, CO: Social Work Research Center, School of Social Work. Colorado State University.

Perkins, M.A., and Brightheart, L.H. (2012). *The effects of Cooking Matters on the cooking and eating behaviors of Clubhouse members: A pretest-posttest equivalent comparison group design*. Colorado State University: Fort Collins, CO.

Perkins, M.A., and Gloeckner, G (2012) *Biennial survey analysis: The University Council for Workforce and Human Resource Education*. The University Council for Workforce and Human Resource Education. Colorado State University, Fort Collins, CO.

Gloeckner, G., and Perkins M.A. (2010). *Biennial survey analysis. The University Council for Workforce and Human Resource Education*. The University Council for Workforce and Human Resource Education: Colorado State University, Fort Collins, CO.

CONFERENCE PRESENTATIONS

Palmer, K and **Perkins, M.A**. (2023). *Predicting teacher attrition*. American Educational Research Association. May, 2023.

Hawkinson, K., **Perkins, M.A**., Chamberlain, S. (2023). Ma*thematical Identity and Achievement in Rural 7th Grade Students*. American Educational Research Association. April, 2023.

**Perkins, M.A**., Carrier, J. (2022). *Development of a Shiny IPEDS Dashboard Linked to Census and Labor Data.* Association of Institutional Research. June, 2022.

**Perkins, M.A**., Wickramaarachchi, T.I., Addido, J., Vaske, C.A. (2022). *Community and institutional factors in CC outcomes: A path analysis.* Association of Institutional Research. June, 2022.

**Perkins, M.A.,** McDaniel, M., Vaske, C., Grooms, K., Reynolds, B., Carrier, J., & Scull, R. (2022). Predicting Community College Institutional Researchers’ Perceptions of Machine Learning: A Mixed Methods Approach. American Educational Research Association. April, 2022.

Carrier, J. W., Wilson, B., & **Perkins, M. A**. (2022). Community college course

success rates by semester block: A report on an institutional research team’s findings and recommendations. [Paper presentation]. CSCC 2022 Conference, Tempe, Arizona. April, 2022.

**Perkins, M.A**., (2021, October 26). *That’s not Valid! An overview of Research Paradigms and their Implications for IR*. Rocky Mountain Association of Institutional Research. Online.

**Perkins, M.A**., Scull, R. Carrier, J., Barber, M. (2021, October 19). *CC Institutional Researchers’ Knowledge, Experience, and Perceptions of Machine Learning*. Rocky Mountain Association of Institutional Research. Online.

Scull. W. R., Carrier, J. W., & **Perkins, M**.A. (2021, September 23). *Institutional research in community colleges: A view into the work of IRs, and implications for rural practice and further research.* [Invited Presentation]. Rural Community College Alliance Annual Conference, Hickory, North Carolina.

Scull, R., **Perkins, M.A**., Carrier, J., Barber, M. (2021, February). *Machine Learning in Community College Institutional Research: A Report on Stakeholder Knowledge, Experience, and Perceptions*. The Council for the Study of Community Colleges. Online.

**Perkins, M.A.** (2019, February 22). The efficacy of the placement protocol measures at Laramie County Community College. Conference on Accelerated Education. El Dorado, KS.

Perkins, S.E. & **Perkins, M.A.** (2018, June 7). *Excel tricks and tips*. Workshop and the Colleague User’s Group (CUG) conference. Cheyenne, WY.

**Perkins, M.A.** (2017, October 4). *An introduction to Power BI to visualize data and create dashboards*. Workshop presented at the Rocky Mountain Association of Institutional Research (RMAIR) conference. Scottsdale, AZ.

**Perkins, M.A.** (2017, June 9). *Let’s do the pivot*. Workshop presented at the Colleague User’s Group (CUG) conference. Cheyenne, WY.

Marsh, R., Drake, T., **Perkins, M.**A., & Gibbons, A. (2013, April 12). *Creation and validation of a technological adaptation scale*. Poster presented at the Society for Industrial and Organizational Psychology (SIOP) Conference. Houston, Texas.

Aragon, A., Culpepper, S., & **Perkins, M.A**. (2011, April 12). *Understanding the profiles of preservice teachers with different levels of commitment to teach in urban schools*. Presented at the American Educational Research Association (AERA) Conference. New Orleans, LA.

Nahary, L., Ferguson, C., Culpepper, S., Basile, C.B., & **Perkins, M.A**. (2010, July 28). *Understanding Student Performance in College Math and Science: A Colorado Case Study*. Presented at the Colorado Association of School Executives (CASE). Breckenridge, Colorado.

**Perkins, M.A.**, Basile, C.B., & Culpepper, S. (2010, April 30). *Predictors of student content success*. American Education Research Association (AERA) Conference, Denver, Colorado.

**Perkins, M.A.** (2003, May 16). *Teaching the novel using thematic units*. Presented at the Fountain Fort Carson School District 8 Professional Conference. Fountain, Colorado.

LEGISLATIVE TESTIMONY

Perkins, M.A. and Hickman B. (2023, May 23). Teacher attrition in Wyoming. Wyoming Legislative Joint Education Committee. <https://wyoleg.gov/InterimCommittee/2023/04-2023052318-03_TeacherRetentionInWyoming.pdf>

Perkins, M.A. and DeDiego A. (2022, October 10). Wyoming teacher attrition: Non-monetary factors and solutions. Wyoming Legislative Joint Education Committee. <https://wyoleg.gov/InterimCommittee/2022/04-2022101004-01_UWPresentationTeacher_Attrition.pdf>

NON-CONFERENCE PRESENTATIONS

Perkins, M.A. (2022, April 20). Teacher attrition in Wyoming. Wyoming School University Partnership, Online.

Perkins, M.A. (2018, April 24). Program Annual Analysis on Tableau. President’s Cabinet presentation. Laramie County Community College. Cheyenne, WY.

Perkins, M.A. (2018, September 19). Using Tableau to evaluate programs and student learning. President’s Cabinet presentation. Laramie County Community College. Cheyenne, WY.

Perkins, M.A. (2017, February 28). Differences in age and student type between 2011-12 and 2016-17. Presented to the board of Laramie County Community College. Cheyenne, WY.

Perkins, M.A. (2017, October 18). Using high school GPA to predict college level placement. Presented to the board of Laramie County Community College. Cheyenne, WY.

Perkins, M.A. (2017, February 27). *Evaluation of predictability of placement protocol for math and English: Fall, 2015 through Fall, 2016. Presented to faculty and administration. Cheyenne, WY.*

Perkins M.A. (2016, October 19). *Potential effects of the removal of a tuition cap.* Presented at the Wyoming Community College Commission meeting. Laramie, WY.

Perkins, M.A. (2012, April 12). *Implementing writing in classes other than language arts*. Presented to Education 350 students at Colorado State University. Fort Collins, CO.

Perkins, M.A., & Pope, M. (2011, December 3). *Classroom Management*. Presented at the Greeley and Evans Weld County School District 6 New Teacher Orientation. Greeley, CO.

Perkins, M.A. (2011, October 13). *Writing in content areas outside of language arts*. Presented to Education 350 Students at Colorado State University. Fort Collins, CO.

Perkins, M.A. (2011, September 16). *Teaching writing in other content areas*. Presented to the Greeley Evans Weld County School District 6 Literacy Conference. Greeley, CO.

SELECT CODED ONLINE DASHBOARDS (UPDATED FREQUENTLY)

Perkins, M.A. (2022). Wyoming District Starting Teacher Salaries (Shiny). Available at:

 <https://marksresearch.shinyapps.io/District_Salaries/>

Perkins, M.A. (2022). Wyoming Teacher Attrition (Shiny). Available at: <https://marksresearch.shinyapps.io/TeacherReport/>

Perkins, M.A. (2022). Careers Dashboard (Shiny). Available at: <https://marksresearch.shinyapps.io/Careers/>

Perkins, M.A. (2021). IPEDS Dashboard (Shiny). Available at: <https://marksresearch.shinyapps.io/IPEDS_Dash/>

Perkins, M.A. (2020). Dynamic Enrollment Report (Shiny). Internal use only.

Perkins, M.A. (2019). *Course success rates (Tableau)*. Internal use only.

Perkins, M.A. (2019). TRIO Outcomes Dashboard (Tableau). Internal use only.

Nickodemus, M. & Perkins, M.A. (2019). Daily enrollment dashboard (R Shiny).

Perkins, M.A. (2019). *Housing GPA and course success* *(Tableau).* Internal use only.

Perkins M.A. (2019). *General education dashboard (Tableau)*. Internal use only.

Perkins, M.A. (2019). *Multi-mass media dashboard* (Tableau). Internal use only.

Perkins, M.A. (2019). *Perkins funding analysis dashboard (Tableau)*. Internal use only.

Perkins, M.A. (2019). *Program analysis dashboard: Credits and time to completion (Tableau).* Internal use only.

Perkins, M.A. (2019). *Program analysis dashboard: FTE and headcount (Tableau).* Internal use only.

Perkins, M.A. (2019). *Program analysis dashboard: Full-time faculty, student/faculty ratio, and section fill rate (Tableau).* Internal use only.

Perkins, M.A. (2019). *Program analysis dashboard: Majors, credentials, and graduation Rates (Tableau).* Internal use only.

Perkins, M.A. (2019). *Program analysis dashboard: Transfers (Tableau).* Found at: Internal use only.

Perkins, M.A. (2019). *Program pipeline dashboard (Shiny)*. Internal use only.

Perkins, M.A. (2019). *Spanish graduates and transfers (Tableau)*. Internal use only.

RESEARCH/GRANT EXPERIENCE

**2022 to Present University of Wyoming Laramie, WY**

*Assistant Dean of Assessment, Data, and Accreditation*

* Collaborate with faculty on accreditation requirements
* Collaborate with faculty to collect, integrate and analyze data
* Formative and summative evaluation of programs
* Data analysis and reporting for faculty, staff, and leadership

**2020 to Present University of Wyoming Laramie, WY**

*Assistant Professor*

* Co-founder of the Institute of Community College Research and Professional Development
* Faculty Fellow at the University of Wyoming Center of Business and Economic Analysis
* Consultant with the University of Wyoming Institutional Research Office
* Researcher for the Wyoming State Longitudinal Educational Data System

**2018 to 2020 Laramie County Community College Cheyenne, WY**

*Director of Institutional Research*

* Collaborate on grant research to ensure funding
* Serve on the institution’s review board to ensure institutional protection of research participants
* Train staff in research-related technology including SQL Server Management Studio, R and Tableau
* Conduct internal analyses of the office for evaluation to drive continuous improvement
* Collaborate with other directors, the president’s cabinet, deans, faculty, staff, and other stakeholders to meet research, evaluation, and other data needs
* Represent the institution on matters related to the Wyoming Community College Commission
* Collaborate with multiple entities to ensure data quality and governance
* Hire staff to carry-out the institution’s research and evaluation needs.

**2016-2018 Laramie County Community College Cheyenne, WY**

*Research Analyst*

* Helped update practices to improve institutional outcomes
* Query data from SAP Business Objects software
* Screen and clean data for analyses using R and other programs
* Develop data visualization tools using latest software including Tableau, R, and Power BI
* Used R and other statistical software for analyses to generate reports, and complete ad-hoc projects.

**Central High School**

**2015-2016 Laramie County School District 1 Cheyenne, Wyoming**

*English Team Data Analyst*

* Computed statistics on student tests for my colleagues
* Explained statistical results to my colleagues
* Collaborated to discuss how to use the results to improve instruction.

**Social Work Research Center**

**July, 2014 to 2015 Colorado State University Fort Collins, Colorado**

*Postdoctoral Research Fellow*

* Prepared reports for caseworkers and other stakeholders
* Worked on instrumentation of safety and risk
* Collaborated with other researchers to meet the State’s needs.

**School of Teacher Education**

**August 2010-May 2011 Colorado State University Fort Collins, Colorado**

*Graduate Research Assistant*

* Development of a plan to implement writing across the content into the Education 350 curriculum.
* Developing a plan of evaluation and a pilot plan for the curriculum change.

 **School of Education**

**2010 to 2011 Colorado State University Fort Collins, Colorado**

Graduate Research Assistant

* Assisted Dr. Steve Culpepper and Dr. Antoinette Aragon on a project that examined profiles of teacher candidates’ relating to urban schools.

**Colorado State University Fort Collins, Colorado**

**October 2008 to May 2011 University of Colorado Denver Denver, Colorado**

*Graduate Research Assistant*

* Designed a model to test the validity of a measure of math content knowledge for this NSF-funded project evaluation.

**School of Education**

**2008 to 2009 University of Colorado, Denver Denver, Colorado**

Graduate Research Assistant

* Co-authored a paper on predictors of college STEM success (listed under publications).

TEACHING EXPERIENCE

**University of Wyoming**

**January 2020 to Present Laramie, Wyoming**

*Assistant Professor*

EDRE 5530, Introduction to Research Methods (Summer Course)

EDRE 5610, Group Comparisons Research (Spring Course)

EDRE 5640, Introduction to Qualitative Research Methods (Fall, Spring, and Summer Course)

EDRE 5645, Phenomenology, Case Study, and Grounded Theory (Fall Course)

EDRE, 5655, Narrative and Ethnography (Spring Course)

**Laramie County Community College**

**September 2017 to May 2020 Cheyenne, Wyoming**

*Adjunct Professor*

STAT 2070, Statistics for the Social Sciences, Traditional (moved to online due to COVID)

COLS 1000, Introduction to College Success, Traditional

**School of Education & School of Social Work**

**August 2010 to August 2017 Colorado State University Fort Collins, Colorado**

*Instructor & Adjunct Professor*

EDUC 275, Schooling in the United States, Traditional (one semester taught)

EDRM 600, Introduction to Research, Traditional, WebEx, and Online (nine semesters taught)

EDRM 666, Introduction to Evaluation, Traditional and online (two semesters taught)

SOWK 600, Research Methods II, Traditional (one semester taught)

 **School of Education**

**2012 to 2014 University of Colorado Denver Denver, Colorado**

*Instructor*

RSEM 5080, Research in Schools, online and traditional (four semesters taught)

RSEM 5110, Introduction to Measurement, Online (three semester taught)

RSEM 5120, Introduction to Research Methods, Online (two semesters taught)

RSEM 7150 (teaching assistant), Mixed Methods Research, Hybrid (one semester)

 **Ignacio High School (2001) Ignacio, CO**

 **Carson Middle School (2002-2004) Fort Carson, CO**

 **Redlands Middle School (2004-2008) Grand Junction, C**

**2001-2008, 2015-2016 Central High School (2015-2016) Cheyenne, WY**

*7th-9th Grade Teacher*

English/Language Arts and Math

STATISTICAL/RESEARCH SOFTWARE

SQL, RStudio, Shiny, RMarkdown, M-Plus, SPSS, Power BI, Tableau, SAP Business Objects, Microsoft Excel, Endnote, Zotero

SERVICE/APPOINTMENTS

**2021-2022 State of Wyoming Longitudinal Educational Data System (SLEDS)**

**Executive Board Member in Dr. Seidel’s Proxy**

* Make decisions about research directions
* Advise on future development of the SLEDS system
* Collaborate with state officials from the Department of Education, the Community College Commission, Workforce and Economic Division, and Family Services

**2022-Present University of Wyoming Carnegie Engaged University**

**Member**

* The committee’s focus is to help the university become an engaged University under the Carnegie criteria

**2022-Present Rocky Mountain Association of Institutional research**

**President**

* The goal will be to advance IR knowledge, skills, and power in the Rocky Mountain region

**2021- Present Center for Business and Economic Analysis at UW**

**Faculty Fellow**

* A collaboration between the College of Education and the Center to examine the interaction between education and business/economics in the state of Wyoming

**2021-2022 State of Wyoming Longitudinal Educational Data System (SLEDS)**

**Co-Lead, SLEDS COVID Research Questions**

* Leading the team to analyze data regarding COVID-19 effects on the WY education system for the State Longitudinal Educational Data System
* Co-chair with Dr. Christelle Khalaf, Associate Directed of the Center for Business and Economic Analysis

**2021**

**Member, University of Wyoming 2-13 Review Committee for CLAD**

* Helped with the restructuring of the College of Education after the discontinuance of the School of Counseling, Leadership, Advocacy and Design

**2020-Present University of Wyoming College of Education**

**Member, AAQEP Accreditation Committee**

* Assisting with assessment and data indicators of program effectiveness for accreditation purposes.

**2019-Present Wyoming Community College Commission**

*College Representative for the State Longitudinal Data System (SLEDS) Data Governance Committee*

* Collaborating with the Wyoming Department of Education (WDE), the Wyoming Community College Commission (WCCC), the Department of Workforce Services (DWS), and the University of Wyoming (UW) to ensure ethical and safe SLEDS policies and procedures.

**2019-2020 Wyoming Community College Commission**

*Co-Chair of the SLEDS Research Subcommittee*

* Lead a team of researchers from WCCC, WDE, DWS, and UW to strategize ways to carry-out the research projects presented to SLEDS.

**2019-2020 Laramie County Community College**

*Chair of the Key Performance Indicator (KPI) Advisory Committee*

* Working with LCCC personnel to refine and improve our institutional evaluation system, which will include academic as well as functional indicators.

**2019-2020 Wyoming Community College Commission**

*Fall to Spring Pipeline Dashboard Team*

* Collaborating with top researchers in the state to use RMarkdown and Shiny to develop a dashboard that tracks cohorts by things such as credit attainment, college level math and English attainment, persistence, completion, transfer, and career placement.

**2019-2020 Cheyenne, Wyoming**

**Member, Cheyenne Chamber of Commerce Committee**

* Developed economic models and census analyses to help Cheyenne increase economic diversity, thus improving business and the local economy.

**2018-2020 Laramie County Community College**

*Ex Officio Member, College Council*

* The committee advises the president, Dr. Joe Schaffer on matters. I offer my insight when asked and give an update on enrollment and other IR projects followed by questions.

**2017-2020 Laramie County Community College**

*Member, Calendar Committee*

* Conducted research on enrollment and student patterns to help refine our academic calendar.

**2017-2020 Laramie County Community College**

*Pathways 2.0 Competency and Outcome Team (co-chair)*

* Charged with helping the institution develop competencies and outcomes and then develop valid and reliable assessment tools of those outcomes.

**2017-2019 Laramie County Community College**

*Colleague User’s Group Committee*

* Periodically meet with this committee to discuss technical issues, update research projects, and/or troubleshoot relevant matters.

**2016-2017 Laramie County Community College**

*Retention and Persistence Committee (lead researcher)*

* Develop a predictive model and profile of students who persist to develop interventions.

**2016-2020 Laramie County Community College**

*Data Quality Committee*

Monthly meeting with data users and stakeholders to discuss issue relating to data governance.

OTHER PROFESSIONAL AND ACADEMIC EXPERIENCES

**July 2009-January 2011 CTB/McGraw Hill Missouri and Colorado**

*Assessment/Data Trainer*

* Trained teachers in Missouri and Colorado in the use of data software to improve student performance

**2008 Colorado Education Association Colorado**

*Liaison*

* Represented teachers to Colorado State Senator Josh Penry. The focus was on teacher salary and issues with teacher evaluation and summative testing.

PROFESSIONAL MEMBERSHIPS

* Member, Association of Institutional Researchers, 2017-Present
* Member, Rocky Mountain Association of Institutional Research 2016-Present (president 2021-2022)
* Member, American Educational Research Association, 2010-2014, 2020-Present
* Member, Wyoming Education Association, 2015-2016
* Member, Society of Industrial and Organizational Psychology, 2013-2016
* Member, American Educational Research Association, 2010-2015
* Member, National Educational Association, 2002-2008
* Member, Colorado Educational Association (with various local chapters), 2002-2011

SCHOLARSHIPS AND GRANTS

**2022-2024 University of Wyoming**

*Mary Garland Early Career Fellowship ($25,000)*

**2019-2020 Laramie County Community College Cheyenne, Wyoming**

*Researcher for the renewal of the TRIO Grant*

**2019-2020 Laramie County Community College Cheyenne, Wyoming**

*Researcher for the Microsoft Computer Grant*

**2017-2020 Laramie County Community College Cheyenne, Wyoming**

*Lead Researcher for mandated reporting for the Perkins Grant*

**2017 Rocky Mountain Association of Institutional Research**

*Train the Trainer Grant*

**2007-2009 University of Colorado, Denver Denver, Colorado**

*Graduate Tuition Grant*

**2009-2010 Colorado State University Fort Collins, Colorado**

*Rocky Mountain Middle School Math and Science Partnership tuition grant*

**2010-2011 Colorado State University Fort Collins, Colorado**

*Colorado State University School of Teacher Education tuition grant*

PROFESSIONAL LICENSES AND AWARDS

**2019 Laramie County Community College**

*Recognition of Excellence*

**2017 Association of Institutional Research**

*Certificate of Completion*

* A Holistic Approach to Institutional Research

**2017 Laramie County Community College**

*Recognition of Excellence*

* Awarded for my work

**2015-2019 State of Wyoming**

*Professional Teaching License*

* Secondary English
* Expired July 18, 2020

**2009 University of Colorado Denver Denver, Colorado**

*Outstanding Graduate Award*

The school of Education and Human Development awarded this for, “Outstanding accomplishments and contributions to the Educational Psychology M.A. program”.

**2003 School District 8 Fountain, Colorado**

*Certificate of Completion: Leadership Academy*

* Attended and graduated from the district’s leadership academy run by Dr. Dwight Jones (Colorado’s Former Commissioner of Education) and Mike Miles (former Superintendent of Colorado Springs District 2 Schools and Dallas schools) which focused on implementing policy and curricular changes to benefit students.

**2001-2016 State of Colorado**

*Professional Teaching License*

* Secondary English