

**Courtney (Vidacovich) Donovan**

Clinical Associate Professor, Director of SEHD Faculty Research Center  
 University of Colorado Denver  
 School of Education & Human Development

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**EDUCATION**

<b>Date</b>	<b>Degree</b>	<b>Institution</b>	<b>Subject</b>
11/2015	Ph.D.	University of Denver	Research Methods and Statistics
07/2008	M.Ed	University of Colorado Denver	Curriculum & Instruction, focus on STEM
05/2004	B.S.	Oklahoma Christian University	Biology

**PROFESSIONAL EXPERIENCE****Higher Education**

01/2016 – current	Clinical Associate Professor, Director of SEHD Faculty Research Center <i>Clinical Assistant Professor (09/2018 – 08/2022)</i> <i>Senior Instructor (09/2016 – 08/2018)</i> <i>Adjunct (01/2016 - 05/2016)</i> Research and Evaluation Methods School of Education and Human Development University of Colorado Denver
01/2015 – 12/2016	Instructor Business Information and Analytics Daniels School of Business University of Denver
05/2014 – 12/2016	Instructor Research Methods and Statistics School of Education University of Denver
01/2015 – 05/2016	Instructor Math Red Rocks Community College

**Research Projects & Grants**

09/2021-current	Research Consultant, co-PI IMLS Grant: Measuring What Matters Denver Museum of Nature and Science
08/2020 – current	Co-PI, Methodologist NSF IUUSE Grant: ITsCRITICAL project University of Colorado

01/2019 – current	Methodologist Intensive Parenting & Mental Health Project University of Colorado Denver; Palo Alto
06/2022- 2023	Research Consultant Arts & Economic Prosperity Study Denver Arts and Venues in partnership with Americans for the Arts
08/2019 – 2021	Methodologist Mile High Learning Grant: Evaluating a Head Start Workforce Wellbeing Initiative University of Colorado Denver
06/2019 – 2021	Methodologist LivedX Project University of Colorado Denver
04/2018 – 07/2020	Data Team Lead Howard Hughes Medical Institute Inclusive Excellence Grant University of Colorado Denver
10/2017 – 08/2018	Data Analyst Walton Family Foundation: Measuring and Scaling Preschool Quality in AK University of Colorado Denver
01/2016 – 09/2016	Evaluation Analyst Institute of Museum and Library Services: Putting SPELL (Supporting Parents in Early Literacy through Libraries) into Action Colorado State Library
09/2013-05/2015	Research Assistant Spencer Foundation: The Mathematics Education of Blacks: 1854 - 1954 University of Denver
09/2011-11/2014	Research Assistant Gates Foundation: Profiles of Teacher Proficiency University of Denver
05/2012-05/2014	Research Assistant Institute of Education Sciences: An Exploration of Novice Teachers' Core Competencies University of Denver
05/2012-09/2013	Research Assistant Elementary and Secondary Education Act: Mathematics and Science Leadership Institute University of Denver

**K-12 Education**

09/2008-10/2013 Middle School Math, Science, & STEM Teacher  
Horizon Community Middle School  
Cherry Creek School District

09/2007-05/2008 Teacher Candidate  
Arvada West High School  
Jefferson County School District

01/2007-05/2007 Teacher Candidate  
Rishel Middle School  
Denver Public Schools

05/2007-09/2015 Teacher  
Education Department  
Denver Museum of Nature and Science

05/2002-08/2003 Teacher  
Biodiversity Summer Academy  
Oklahoma Christian University

**PEER REVIEWED PUBLICATIONS, EXHIBITIONS, PERFORMANCES, ETC.**

2024 Donovan, C., Johnson, H. L., Knurek, R., Whitmore, K. A., & Bechtold, L. (2024).  
Validating a measure of graph selection and graph reasoning for dynamic situations.  
Journal of Mathematical Behavior.

Johnson, H. L., Donovan, C., Knurek, R., Whitmore, K. A., & Bechtold, L. (2024).  
Proposing and testing a model relating students' graph selection and graph reasoning  
for dynamic situations. Educational Studies in Mathematics. 115(3), 387-406.  
<https://doi.org/10.1007/s10649-024-10299-4>

Leech, N. L., Donovan, C., Prais, D., Haug, C. A., Phan, N., & Rexwinkle, A. (2024).  
Teaching in a P-12 private or public school: Is there a difference in teacher motivation?  
Educational Research and Evaluation.

2023 Lamar, M. R., Donovan, C., & Forbes, L. K. (2023). Maternal mental health in the United  
States. International Journal for the Advancement of Counselling.

Leech, N.L., & Donovan, C. (2023). Designing integrative mixed methods research:  
Mixed methods sampling and data collection. In: Tierney, R.J., Rizvi, F., Erkican, K. (Eds.),  
International Encyclopedia of Education, vol. 12. Elsevier.  
<https://dx.doi.org/10.1016/B978-0-12-818630-5.11047-4>. ISBN: 9780128186305

2022 Forbes, L., Lamar, M., Speciale, M., & Donovan, C. (2022). Mothers' and fathers'  
parenting attitudes during COVID-19. Current Psychology. 1-10  
<https://doi.org/10.1007/s12144-021-01605-x>

- 2021 Hipolito-Delgado, C., Kirshner, B., Stickney, D., & Donovan, C. (2021). Fostering Youth Sociopolitical Action: The Roles of Critical Reflection, Sociopolitical Efficacy, and Transformative Student Voice. *Urban Education*.
- Lamar, M. R., Speciale, M., Forbes, L. K., Donovan, C. (2021). The mental health of U.S. parents during the COVID-19 pandemic. *Journal of Mental Health Counseling*, 43(4): 319-335. <https://doi.org/10.17744/mehc.43.4.03>
- Schaack, D., Donovan, C., Adejumo, T., & Ortega, M. (2021). To stay or to leave: Factors shaping early childhood teachers' turnover and retention decisions. *Journal of Research in Childhood Education*.
- Bosik, S. W., Harris, B., Alibrahim, N., & Donovan, C. (2021). Construct Validity of the Teacher Version of the Strengths and Difficulties Questionnaire in a Sample of Elementary-Aged Children in the United States. *Contemporary School Psychology*.
- 2020 Zong, C., Donovan, C., & Fuchs, T. (2020). The development and validation of teen beliefs on relationship abuse measure (TBRAM). *Journal of Interpersonal Violence*.
- Kim, J., De Long, S., Gorelik, W., Penwell, K., Donovan, C. & Chung, H. (2020). Family Orientation and Achievement Goal Orientations Among the Children of Immigrant and Nonimmigrant Families. *International Journal of Educational Psychology*.
- Zong, C., Donovan, C., & Marin-Prais, D. (2020). Understanding How EdD Students View Educational Research: Domain, Taxonomic, Componential, and Text Mining Analysis. *Journal of Educational Leadership in Action*, 6(2).
- 2019 Crist, B., Donovan, C., Doran-Myers, M., & Hofschire, L. (2019). Supporting Parents in Early Literacy through Libraries (SPELL): An Evaluation of a Multi-Site Library Project. *Public Libraries Quarterly*.
- Forbes, L. K., Donovan, C., & Lamar, M. R. (2019). Differences in Intensive Parenting Attitudes and Gender Norms Among US Mothers. *The Family Journal: Counseling and Therapy for Couples and Families*, 28(1), 63-71. DOI: 10.1177/1066480719893964.
- 2018 Donovan, C. (2018). Rasch analysis of the teachers' Knowledge and Use of Data and Assessment (tKUDA) measure. *Journal of Applied Measurement*.
- Donovan, C., & Seidel, K. (2018). Predicting teachers' rating of their teacher preparation program from program documents regarding assessment use. *Leadership and Research in Education: The Journal of the OCEPA*.
- 2017 McDonald, S.E., Ma, L., Green, K., Hitti, S.A., Cody A.M., Donovan, C., Williams, J.H., and Ascione, F. R. (2017). Evaluation of the Parent-Report Inventory of Callous-Unemotional Traits in a Sample of Children Recruited from Intimate Partner Violence Services: A Multidimensional Rasch Analysis. *Journal of Clinical Psychology*. DOI: 10.1002/jclp.22497

Donovan, C., Green, K.E., and Seidel, K. (2017). Differential Item Functioning on a Measure of Perceptions of Preparation for Teachers, Teacher Candidates, and Program Personnel. *Leadership and Research in Education: The Journal of the OCPEA*.

Chu-Lien Chao, R., **Vidacovich, C.**, & Green, K. (2017). Rasch Analysis of the Rosenberg Self-Esteem Scale with African Americans. *Psychological Assessment*, 29(3), 329.

2015 McDonald, S.E., **Vidacovich, C.**, Williams, J.H., Ascione, F.R., & Green, K. (2015). The Children's Treatment of Animals Questionnaire: A Rasch analysis. *Anthrozoos*, 28(1), 131-144.

## GRANTS FUNDED

### *External*

2021-current *Measuring What Matters*. PI: Denver Museum of Nature & Science, Methodologist Consultant: Courtney Donovan. Institute of Museum and Library Services. REC \$137,930

2020-current *Implementing Techtivities to Promote Covariational Reasoning and Instructional Transformation in College Algebra (ITsCRITICAL)*. PI: Heather Johnson, Co-PIs: Courtney Donovan, Bikai Nie, Gary A Olson, & Belin M Tsinnajinnie. National Science Foundation. REC \$1,599,774

### *Internal*

2023 *Faculty Development Award*. Courtney Donovan. School of Education and Human Development. REC \$500.

2022 *Non-Tenure Track Professional Development Award: Rebel through Recharge*. Co-PIs: Andrea Laser, Robin Brandehoff, Courtney Donovan, Lisa Forbes. University of Colorado Denver Association of Lecturers and Instructors (UCDALI). REC \$1,000.

2020 *Intensive Parenting and Mental Health during COVID-19*. Courtney Donovan & Lisa Forbes. University of Colorado Denver Office of Research Services. REC \$7,500.

2019 *Non-Tenure Track Professional Development Award: Measurement Learning & Leadership*. Courtney Donovan. University of Colorado Denver Association of Lecturers and Instructors (UCDALI). REC \$1,000.

2018 *Faculty Development Award*. Courtney Donovan. School of Education and Human Development. REC \$1,000.

2018 Colorado Learning and Teaching with Technology Registration Grant. Courtney Donovan. CU Online. REC \$150.

## GRANTS UNDER REVIEW

### *External*

2024 Research Vendor Bid to Evaluate Revised Accreditation Items, Tools, and Processes. PI: Early Childhood by Design, co-PI: Courtney Donovan. National Association for the Education of Young Children (NAEYC)

**GRANTS UNFUNDED***External*

- 2023 *Uncovering Educational Opportunities for Emergent Bilingual Learners in Colorado: A Large-Scale Study of How Local Policy Contexts Shape Language Instruction Program Availability and Participation.* PI: Tania Hogan, BUENO Center for Multicultural Education School of Education CU Boulder, co-PI: Courtney Donovan. Spencer. REC \$420,585.50
- 2023 *National Techtivity Project: Cultivating Communities to Transform Instruction in Introductory Mathematics.* PI: Heather Johnson, Co-PIs: **Courtney Donovan**, Bikai Nie, Gary A Olson, & Belin M Tsinnajinnie. National Science Foundation. REC \$1,999,800
- 2022 *A Multi-case Analysis of Opportunities to Learn for Emergent Bilingual Learners.* PI: BUENO Center for Multicultural Education School of Education CU Boulder, co-PI: Courtney Donovan. Spencer. REC \$420,000, declined
- 2020 *Intensive Parenting and Mental Health during COVID-19.* PI: Margaret Lamar, Palo Alto University, Consultant: Courtney Donovan. American Psychology Association. REC \$20,000, declined.
- 2019 *Measuring what matters.* PI: DMNS, Consultant: Courtney Donovan. National Science Foundation. REC \$300,000, declined.
- 2018 *Collaborative research: The community college to CU (CC2CU) project.* PI: Michael Ferrara, Co-PI: Courtney Donovan. National Science Foundation. REC \$2,920,815, declined.
- 2018 *Redefining online engagement in undergraduate science laboratory courses.* PI: Courtney Donovan. National Science Foundation. REC \$202,074, declined.
- 2017 *Measuring and making meaning of “non-academic outcomes” for school improvement.* PI: Kent Seidel, Co-PI: Courtney Donovan. Spencer, REC: \$49,329, declined.
- 2016 *Exploring aspects of online science labs in higher education that effect student achievement using HLM.* PI: Courtney Donovan. Spencer. REC: \$26,817, declined.
- Internal*
- 2022 *Quantitative Literacy Belongs to Everyone: Disrupt Barriers to STEM.* PI: Heather Johnson, multiple co-PIs including Courtney Donovan. CU Grand Challenge, declined.
- 2018 *The Relationship between Mothers’ Mental Health, Gender Conformity, and Intensive Mothering.* PI: Lisa Forbes, Co-PI: Courtney Donovan and Margaret Lamar. CU Denver Office of Research Services. REC \$5,669, declined.
- 2017 *An assessment of STEM assessments.* PI: Courtney Donovan. CU Denver Office of Research Services, REC: \$16,600, declined.

**OTHER INDICATORS OF SCHOLARLY AND CREATIVE ACTIVITY***EVALUATION STUDIES*

11/2023	Consultation and data collection, <i>Museum of Contemporary Arts</i>
05/2023	Evaluation of drug and alcohol reentry program, <i>Cherry Creek School District</i>
08/2022	Evaluation of SNAP to Success program, <i>Denver Human Services</i>
08/2022	Evaluation of internship experiences, <i>SEHD Research &amp; Evaluation Program</i>
08/2022	Evaluation of Titanic special exhibit, <i>Molly Brown House Museum</i>
08/2022	Evaluation of data possibilities, <i>Neon One (Giving Days Report)</i>
06/2022	Data collection, <i>Denver Arts &amp; Venues (Arts and Economic Prosperity study)</i>
04/2022	Measure validation, <i>Early Childhood by Design (Bright Horizons project)</i>
03/2022	Measure validation, <i>Joining Vision and Action (Denver Human Services project)</i>
05/2020	Evaluation of program offerings, <i>Molly Brown House Museum</i>
06/2018	5 year evaluation of the <i>Children's Literacy Center's</i> tutoring program in La Junta Elementary school
06/2017	Evaluation of Professional Development, <i>Denver Children's Museum &amp; the "Growing Scientists" Collaborative</i>
05/2016	Evaluation of Professional Development, <i>Denver Children's Museum &amp; the "Growing Scientists" Collaborative</i>
11/2015	Evaluation of K-12 teachers knowledge and use of data, <i>North Dakota Educational Technology Council</i>
05/2014	Consultant/analysis of collaborative law practices, <i>Sturm College of Law at University of Denver</i>
02/2013	Evaluation of Inclusive Excellence in Freshman Seminars, <i>Student Services department at University of Denver</i>

*CURRICULUM DESIGN*

06/2023	Certificate Creation: Advanced Qualitative Methods and Analysis
06/2023	Certificate Creation: Culturally Responsive Research and Evaluation Methods
06/2021	Certificate Creation: Applied Statistical Modeling
06/2021	Certificate Creation: Applied Measurement

06/2021	Certificate Creation: Program Evaluation
06/2021	Certificate Creation: Classroom Assessment (Action Research)
05/2021	Course creation of Culturally Responsive Research and Evaluation Methods
05/2020	Course creation of Dissertation/Thesis Proposal Writing
08/2020	Course creation of Program Evaluation Theory and Design
05/2020	Course creation of Grant Writing
05/2020	Course creation of Dissertation Proposal Writing
11/2018	Course creation of Structural Equation Modeling
03/2017	Course creation of Advanced Measurement: Item Response Theory
05/2016	Curriculum development and alignment for EdD research sequence
05/2016	Curriculum alignment at Daniels Business College at the University of Denver

#### **NON-PEER REVIEWED PUBLICATIONS**

2019	Donovan, C. (2019). So Non-Tenure Track faculty do research too? Posted in Monday Morning Message to the School of Education and Human Development at CU Denver.
2019	O'Brien, S., Zong, C., Donovan, C. (2019). Social Network Analysis and the Importance of a Supportive, Strong Social Network. Posted in Monday Morning Message to the School of Education and Human Development at CU Denver.
2015	Vidacovich, C. (2015). Measuring Teachers' Knowledge and Use of Data and Assessments: Creating a Measure as a First Step toward Effective Professional Development, ProQuest Dissertations and Theses.

#### *Technical Reports*

2023	Donovan, C. (2023). Final report provided to Denver Arts & Venues on the American for the Arts economic impact study.
	Donovan, C. & Rexwinkle, A. (2023). Evaluation of Drug and Alcohol School Professional Program. Report provided to Cherry Creek School District.
2022	Hirsh, S., Quinn, O., Sobczak, C., & Donovan, C. (2022). Evaluation of student internship experiences. Report provided for the Research and Evaluation program at CU Denver.
	Gould, A., Lovit, M., Springer, T., & Donovan, C. (2022). Heroine of the Titanic exhibit evaluation. Report provided to the Molly Brown House Museum.



Rexwinkle, A., Synders, J., Todd, L., & Donovan, C. (2022). Evaluation of Giving Days. Report provided to Neon One.

Donovan, C. & Flores, N. (2022). SNAP to Success evaluation. Report provided to Denver Human Services.

Donovan, C. (2022). Measure validation study results. Report provided to Early Childhood by Design.

Donovan, C. (2022). Measure validation study results. Report provided to Denver Human Services.

2020 Schaack, D., Le, V., Donovan, C., Adejumo, T., & Ortega, M. (2020). Teacher retention and turnover post salary increase at Mile High Early Learning: Factors shaping teachers' job decisions. Denver, Colorado: University of Colorado Denver.

2018 Tarrant, K., Schaack, D., Le, V., & Donovan, C. (2018). Building an integrated early childhood data system in Arkansas: Recommendations and Opportunities. Denver, CO: University of Colorado Denver.

Donovan, C. (2018). Evaluation report of parent's opinion of HOPE schools. Report for HOPE schools board of education.

Donovan, C. (2018). Effectiveness of professional development offered in regards to teacher beliefs for elementary science teachers. Updated report for IMLS "Growing Scientists" project.

2017 Donovan, C. (2017). Effectiveness of professional development offered in regards to teacher beliefs for elementary science teachers. Report for IMLS "Growing Scientists" project.

2016 Donovan, C. (2016). CuddleUppets, Books, & Community: How the Cortez Public Library is Supporting Parents in Early Literacy. Retrieved from:  
[http://spellproject.weebly.com/uploads/1/5/3/3/15331602/cortez\\_case\\_study.pdf](http://spellproject.weebly.com/uploads/1/5/3/3/15331602/cortez_case_study.pdf)

Donovan, C. (2016). Working with Migrant Families in Colorado: How Denver Public Library is Supporting Parents in Early Literacy. Retrieved from:  
[http://spellproject.weebly.com/uploads/1/5/3/3/15331602/denver\\_case\\_study.pdf](http://spellproject.weebly.com/uploads/1/5/3/3/15331602/denver_case_study.pdf)

Donovan, C. (2016). Creative Storytimes: How Garfield County Libraries are Supporting Parents in Early Literacy. Retrieved from:  
[http://spellproject.weebly.com/uploads/1/5/3/3/15331602/parachute\\_case\\_study.pdf](http://spellproject.weebly.com/uploads/1/5/3/3/15331602/parachute_case_study.pdf)

Donovan, C. (2016). From Home to Library Visits: How High Plains Libraries are Supporting Parents in Early Literacy. Retrieved from:  
[http://spellproject.weebly.com/uploads/1/5/3/3/15331602/high\\_plains\\_case\\_study.pdf](http://spellproject.weebly.com/uploads/1/5/3/3/15331602/high_plains_case_study.pdf)

Donovan, C. (2016). Brain Time & Storytime: How the Lake County Public Library is Supporting Parents in Early Literacy. Retrieved from:  
[http://spellproject.weebly.com/uploads/1/5/3/3/15331602/leadville\\_case\\_study.pdf](http://spellproject.weebly.com/uploads/1/5/3/3/15331602/leadville_case_study.pdf)

Donovan, C. (2016). Driving the Library to Families: How Montrose Libraries are Supporting Parents in Early Literacy. Retrieved from:  
[http://spellproject.weebly.com/uploads/1/5/3/3/15331602/montrose\\_case\\_study.pdf](http://spellproject.weebly.com/uploads/1/5/3/3/15331602/montrose_case_study.pdf)

Donovan, C. (2016). Storytime Kits for Childcare Centers & Play Groups: How Pikes Peak Library District is Supporting Parents in Early Literacy. Retrieved from:  
[http://spellproject.weebly.com/uploads/1/5/3/3/15331602/pikes\\_peak\\_case\\_study.pdf](http://spellproject.weebly.com/uploads/1/5/3/3/15331602/pikes_peak_case_study.pdf)

Donovan, C. (2016). Kits to Childcare Centers: How Pueblo City-County Library District is Supporting Parents in Early Literacy. Retrieved from:  
[http://spellproject.weebly.com/uploads/1/5/3/3/15331602/pueblo\\_case\\_study.pdf](http://spellproject.weebly.com/uploads/1/5/3/3/15331602/pueblo_case_study.pdf)

### PEER REVIEWED PRESENTATIONS AT MEETINGS/CONFERENCES

- 2024, Auckland Johnson, H. L., Donovan, C., Knurek, R., Whitmore, K., & Bechtold, L. (July 2024). Attitudes toward mathematics and graphs influence graph reasoning and selection. In T. Evans, O. Marmur, J. Hunter, & G. Leach (Eds.). Proceedings of the 47th Conference of the International Group for the Psychology of Mathematics Education (Vol. X, pp. YYY–ZZZ). PME.
- 2024, Philadelphia Gillanders, C., Valenzuela, M. F., Donovan, C., Burke H. (April 2024). Alphabet Knowledge in young Spanish-speaking children. Paper submitted for presentation at the annual meeting of the American Educational Research Association, Virtual/Philadelphia.
- 2024, Philadelphia Donovan, C., Gillanders, C., Valenzuela, M. F., Burke H. (April 2024). Coding Wright maps to examine language and cultural influences in alphabet knowledge. Paper submitted for presentation at the annual meeting of the American Educational Research Association, Virtual/Philadelphia.
- 2024, New Orleans Rexwinkle, A., Russel, A., & Donovan, C. (February 2024). One District's Solution to Alcohol and Substance Abuse. Paper submitted for presentation at the annual meeting of the National Association of School Psychologists, New Orleans.
- 2023, New Orleans Betz-Hamilton, A. & Donovan, C (2023, November). A Structural Equation Modeling Approach to Understanding Emotional and Physical Consequences of Familiar Identity Theft Victimization. Paper accepted for presentation at the annual meeting of the Association for Financial Counseling & Planning Education Symposium, New Orleans.
- 2023, Virtual Johnson, H. L., Donovan, C., Knurek, R., Whitmore, K., & Bechtold, L. (2023, March). A link between students' graph reasoning and their attitudes toward

- mathematics and graphs. ICMI Symposium on Mathematics Education and the Socio-Ecological. Online.
- 2023, Chicago/Virtual Donovan, C., Huvard, H., & Snyders, J. (April, 2023). Differential Item Functioning in Student Success When Modeled as a Latent Variable. Paper accepted for presentation at the annual meeting of the American Educational Research Association, Virtual/Chicago.
- 2023, Chicago/Virtual Klem, P., Allan, R., & Donovan, C. (April, 2023). A Rasch Analysis of the Psychological Well-being Measure. Paper accepted for presentation at the annual meeting of the American Educational Research Association, Virtual/Chicago.
- 2023, Chicago/Virtual Donovan, C, Johnson, H. L., Bechtold, L, Knurek, R., Whitmore, K. A. (April, 2023). A Rasch Analysis of a Measure of Graph Selection and Reasoning for Dynamic Situations. Paper accepted for presentation at the annual meeting of the American Educational Research Association, Virtual/Chicago.
- 2023, Chicago/Virtual Donovan, C, Johnson, H. L., Bechtold, L, Knurek, R., Whitmore, K. A. (April, 2023). Modeling a Relationship between Students' Graph Selection and Reasoning. Paper accepted for roundtable presentation at the annual meeting of the American Educational Research Association, Virtual/Chicago.
- 2023, Omaha Whitmore, K., Knurek, R., Johnson, H. L., Bechtold, L., Olson, G., & Donovan, C. (in press, 2023, February) Implementing digital activities in college algebra: Two instructors' views of benefits and challenges. In Cook, S. (Ed.). Proceedings of the 25th Annual Conference on Research in Undergraduate Mathematics Education. Omaha, NE.
- 2022, New Orleans Donovan, C., Griffin, J., Gullet, S., Lamont-Manfre, M., & O'Brien, S. (November 2022). Mixed Methods Social Media Evaluation. Poster accepted for presentation at the annual meeting of the American Evaluation Association.
- 2022, New Orleans Donovan, C. & Luce, C. (November 2022). Tips and Conversations about Creating a Culturally Responsive Evaluation Course. Paper accepted for presentation at the annual meeting of the American Evaluation Association.
- 2022, Nashville Bechtold, L., Donovan, C., & Johnson, H. L. (2022, November). College algebra students' attitudes toward math and graphs: An exploratory factor analysis. In Lischka, A. E., Dyer, E. B., Jones, R. S., Lovett, J. N., Strayer, J., & Drown, S. (Eds.), Proceedings of the 44th Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education (pp. 1630-1634). Middle Tennessee State University.
- 2022, San Diego Huvard, H., Donovan, C., & Talbot, B. (April 2022). Validation of the Self-determination, Purpose, Identity, and Engagement in Science (SPIRES) Survey using Rasch Modeling. Paper accepted for poster presentation at the annual meeting of the American Educational Research Association, Virtual/San Diego.

- 2022, San Diego Huvad, H., Talbot, B., & Donovan, C. (April 2022). Measuring Student Success as a Latent Construct with a Partial Credit Rasch Model. Paper accepted for presentation at the annual meeting of the American Educational Research Association, Virtual/San Diego.
- 2022, San Diego Rodriguez, E., Donovan, C., Butvilofsky, S., & Alvarez, A. (April 2022). The Biliterate Writing Development of Bilingual First Graders: A Path Analysis of Relationships between Writing Skills. Paper accepted for presentation at the annual meeting of the American Educational Research Association, Virtual/San Diego.
- 2021, Virtual Donovan, C., Luce, C. & McClintock, E. (November 2021). Designing and scaffolding experiential learning with real clients to teach evaluation. Pre-conference presentation featured at the annual meeting of the American Evaluation Association.
- 2021, Philadelphia Johnson, H. L., Olson, G., Smith, A., Gardner, A., Wang, X., & Donovan, C. (October, 2021). Validating an assessment of students' covariational reasoning. Proceedings of the 43rd Annual Meeting of the North American Chapter of the International Group for the Psychology of Mathematics Education, Philadelphia, PA.
- 2021, Virtual Phan, N., Luce, C., & Donovan, C., (September 2021). Combining Social Betterment and Inclusive Teaching Via Discussion Boards in Basic and Intermediate Statistics. Paper accepted for presentation at the satellite meeting of the International Association for Statistical Education.
- 2021, Virtual O'Brien, S., Thorpe, J., & Donovan, C. (September 2021). Combating Stats Anxiety and Online Anxiety with Instructor Presence. Paper accepted for presentation at the satellite meeting of the International Association for Statistical Education.
- 2021, Virtual Donovan, C., Schaack, D., Adejumo, T., & Ortega, M. (April, 2021). To Leave or To Stay: the Early Childhood Educators' Balancing Act. Paper accepted for poster presentation at the annual meeting of the American Educational Research Association, Virtual.
- 2021, Virtual Zong, C., Donovan, C., & Fuchs, T. (April, 2021). Teens' Personal Beliefs and Peer Perceptions on Relationship Abuse Differ by Gender. Paper accepted for poster presentation at the annual meeting of the American Educational Research Association, Virtual.
- 2021, Virtual Lamar, M., Forbes, L., & Donovan, C. (April, 2021). Counseling Moms in a Challenging Social Environment: New Findings and Best Practices. 90 minute educational session presented at annual meeting of the American Counseling Association, Virtual.

- 2021, Virtual Donovan, C., Johnson, H., & Wang, X. (February, 2021). Measuring Covariational Reasoning: the interaction struggle of getting correct answers verses mathematical reasoning. Paper accepted to the International Objective Measurement Workshop, Virtual.
- 2021, Virtual O'Brien, S., Donovan, C., Forbes, L., & Lamar, M. (February 2021). Analysis of the Intensive Parenting Questionnaire Using Rasch Modeling. Poster accepted for presentation to the International Objective Measurement Workshop, Virtual.
- 2020, Virtual Scull, M., Gentile, T., Allan, R., Phan, N., & Donovan, C. (November, 2020). Confirming LGBTQ+ Minority Stress Theory with Structural Equation Modeling. Presentation accepted to the Virtual Conference of The Society for the Scientific Study of Sexuality.
- 2020, Virtual Huvard, H., Talbot, R., & Donovan, C. (July, 2020). Defining and Modeling Student Success as a Latent Construct in Learning Assistant Supported Biology Courses. Webinar presented at the virtual meeting of the Society for the Advancement of Biology Education Research, Virtual.
- 2020, Virtual Donovan, C. & Phan, N. (July, 2020). Meaningful conversations using video discussion groups. Poster accepted to the Colorado Learning and Teaching with Technology regional conference, Virtual.
- 2020, San Francisco Donovan, C., Johnson, H., & Wang, X. (April, 2020; Cancelled). Measuring Covariational Reasoning: the interaction struggle of getting correct answers verses mathematical reasoning. Paper accepted to the International Objective Measurement Workshop, San Francisco, CA.
- 2020, San Francisco O'Brien, S., Donovan, C., Forbes, L., & Lamar, M. (April 2020; Cancelled). Analysis of the Intensive Parenting Questionnaire Using Rasch Modeling. Poster accepted for presentation to the International Objective Measurement Workshop, San Francisco, CA.
- 2020, San Francisco Lamar, M., Donovan, C., Forbes, L., & O'Brien, S. (April, 2020; Cancelled). Mothers' Mental Health Status in the United States. Poster accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA.
- 2020, San Francisco Donovan, C. & Zong, C. (April, 2019; Cancelled). A Measure of Statistical Anxiety Designed for Social Science Students. Poster accepted for presentation at the annual meeting of the American Educational Research Association, San Francisco, CA.
- 2020, Portland Huvard, H., Talbot, B., Donovan, C., & Grassie, C. (March, 2020; Cancelled). Measuring Student Success as a Latent Variable in Undergraduate Biology Courses. Presentation accepted to the National Association for Research on Science Teaching, Portland, OR.

- 2020, Boston Rudman, N. & Donovan, C. (April, 2020; Cancelled). Examine the impacts and implications of a STEM-focused PLC that implemented structures that nurtured an asset-based learning environment among teachers and the district community. Session presented at the national meeting of the National Science Teachers Association, Boston, MA.
- 2019, Denver Verma, G., Tandon, M., and Donovan, C. (October, 2019). Sharing Experiences Using Crowd-Sourcing for Data Collection & Analysis in Education. Roundtable accepted for presentation at the annual meeting of the Northern Rocky Mountain Educational Research Association, Denver, CO.
- 2019, Fort Lauderdale Folan, A., Kubicek, L., & Donovan, C. (October, 2019). Predictors of Expressive Vocabulary in Toddlers at 13 and 15 Months. Poster accepted for presentation at the annual meeting of the Zero to Three Annual Conference, Fort Lauderdale, FL.
- 2019, Toronto Donovan, C., Brenkert, S., Miller, M. (April, 2019). Rasch Analysis of Puppet Interview Scales of Competence in and Enjoyment of Science with Kindergartners. Poster accepted for presentation at the annual meeting of the American Educational Research Association, Toronto, Canada.
- 2019, Toronto Donovan, C. & Thorpe, J. (April, 2019). Examining Temporal Validity with Regression to Examine Which Math and Science Courses Predict ACT Scores. Paper accepted for presentation at the annual meeting of the American Educational Research Association, Toronto, Canada.
- 2019, Toronto Zong, C., Donovan, C., & Marin-Prais, D. (April, 2019). Understanding How EdD Students View Educational Research: Domain, Taxonomic, Componential, and Text Mining Analysis. Paper accepted for presentation at the annual meeting of the American Educational Research Association, Toronto, Canada.
- 2019, St. Louis Donovan, C. & Corner, T. (April, 2019). How Do Previous Math and Science Courses Impact Chemistry Pathways? Session presented at the national meeting of the National Science Teachers Association, St. Louis, MO.
- 2019, St. Louis Donovan, C., Ridder, S, & Schnatwinkel, A. (April, 2019). Anchoring for Equity! Session presented at the national meeting of the National Science Teachers Association, St. Louis, MO.
- 2018, Cleveland Donovan, C., Thorpe, J., & Burns, E. (October, 2018). The expected (and unexpected!) results of evaluating a freshman remedial science course. Poster accepted for presentation at the meeting of the American Evaluation Association, Cleveland, OH.
- 2018, New York City Kim, J., Gorelik, W., DeLong, S., Kelly, L., Penwell, K, and **Donovan, C.** (April, 2018). Family Orientation and Achievement Goal Orientations among the Children of Immigrant and Nonimmigrant Families. Poster accepted for presentation at the meeting of the American Educational Research Association, New York City, NY.

- 2016, Washington D.C **Vidacovich, C.** (April, 2016). Measuring teachers' knowledge and use of data and assessments; a Colorado case study. Poster accepted for presentation at the meeting of the American Educational Research Association, Washington D.C.
- 2016, Washington D.C Joseph, N., **Vidacovich, C.**, & Hafenstein, N. (April, 2016). Technology and transformation; Two professors experiences teaching online for the first time. Poster accepted for presentation at the meeting of the American Educational Research Association, Washington D.C.
- 2015, New Orleans McDonald, S. E., **Vidacovich, C.**, Ascione, F., Williams, J. H. & Green, K. E. (January, 2015). The Child Exposure to Domestic Violence Scale: A Rasch analysis of the Home Exposure Subscale in a sample of 7- to 12-year-old children. Poster accepted for presentation at the 19th Annual Program Meeting of the Society for Social Work & Research, New Orleans, LA
- 2014, Philadelphia **Tobiassen, C.**, Green, K, & Chao, R.C.L. (2014, April). Rasch Analysis of the Rosenberg Self-Esteem Scale for African American Students. Paper presented at the meeting of the American Educational Research Association, Philadelphia, PA. Online Paper Repository: <http://www.aera.net/Publications/OnlinePaperRepository/AERAOnlinePaperRepository/tabid/12720/Owner/940301/Default.aspx>
- 2014, Philadelphia **Tobiassen, C.**, Green, K., & Seidel, K.E. (2014, April). Differential Item Functioning on a Measure of Perceptions of Preparation for Teachers, Teacher Candidates, and Program Personnel. Paper presented at the meeting of the International Objective Measurement Workshop, Philadelphia, PA.
- 2013, Chicago Anderson, S., Spurlin, M., **Tobiassen, C.**, & Seidel, K.E. (2013, October). Colorado Teacher Preparation Programs: Graduates Give Their Feedback. Paper presented at the American Association of Teaching and Curriculum, Chicago, IL.
- 2008, Boston Marlow, M. & **Tobiassen, C.** (2008, March). Using Flower Dissections to Teach Botany. Presentation at the meeting of the National Science Teachers' Association National Conference, Boston, MA.

#### **INVITED SEMINARS/WORKSHOPS PRESENTED**

- 2021 Forbes, L. & Donovan, C. (2021). Parenting in a pandemic: New research of the impact of COVID-19 on parent's mental health. Presented as part of a School of Education and Human Development Faculty Research Symposium: Research in a Pandemic.
- 2020 Donovan, C. (May, 2020). Research and Statistical Methods Alumni Speaker Series. Guest speaker at the University of Denver, Morgridge School of Education.

- 2017 Donovan, C. (2017). Data Collection and Analysis. *Pathways to Teaching*. Seminar presented at Adams 14 High School, Denver.
- 2015 Donovan, C., Ridder, S, & Schnatwinkel, A. (2015). Science Inquiry. *Alternative Teacher Licensure*. Seminar conducted at Metro State University, Denver.
- Donovan, C., Ridder, S, & Schnatwinkel, A. (2015). Science Inquiry. *STEM Preschool Professional Learning Community*. Seminar conducted at Saint Vrain Valley School District, Loveland, CO.
- Donovan, C. (2015). Standardized Assessment. *Classroom Assessment course*. Seminar conducted at Metro State University, Denver.
- Donovan, C. (2015). Messiness of Research. *Teacher Preparation program*. Seminar conducted at Colorado College, Denver.
- 2011 Donovan, C. (2011). K-6 Science. *Professional Development*. Workshop presented at Mission Para Cristo for Nicaragua elementary school teachers, Jinotega, Nicaragua.
- 2010 Donovan, C. (2010). Target Students Data Collection and Analysis. *Professional Development*. Seminar presented at Horizon Community Middle School, Aurora, CO.

#### PROFESSIONAL ORGANIZATIONS

- American Educational Research Association (2013-2016, 2018-current)
  - Rasch SIG, Program co-chair (2019-2021)
- American Evaluation Association (2014-2016, 2018-current)
- International Objective Measurement Workshop (2014-current)
- American Association Teaching and Curriculum (2013-2014)

#### COURSES TAUGHT

<u>Course and Number</u>	<u>Level</u>	<u>Department</u>	<u>Institution</u>
Advanced Measurement: Item Response Theory, RSEM 7130	Graduate	Research & Evaluation Methods	University of Colorado Denver
Basic Statistics, RSEM 5100	Graduate	Research & Evaluation Methods	University of Colorado Denver
Intermediate Statistics, RSEM 7110	Graduate	Research & Evaluation Methods	University of Colorado Denver
Introduction to Research Methods, RSEM 5120	Graduate	Research & Evaluation Methods	University of Colorado Denver
Doctoral Seminar in Research, RSEM 7000	Graduate	Research & Evaluation Methods	University of Colorado Denver



Qualitative Inquiry, RSEM 6100/7080	Graduate	Research & Evaluation Methods	University of Colorado Denver
Structural Equation Modeling, RSEM 7800	Graduate	Research & Evaluation Methods	University of Colorado Denver
Dissertation Proposal Writing, RSEM 7500	Graduate	Research & Evaluation Methods	University of Colorado Denver
Program Evaluation Theory & Design, RSEM 7500	Graduate	Research & Evaluation Methods	University of Colorado Denver
Culturally Responsive Research and Evaluation Methods, RSEM 7400	Graduate	Research & Evaluation Methods	University of Colorado Denver
Research Grant Writing, RSEM 7300	Graduate	Research & Evaluation Methods	University of Colorado Denver
Research in Schools, RSEM 5080	Graduate	Research & Evaluation Methods	University of Colorado Denver
Survey Research Methods, RSEM 7050	Graduate	Research & Evaluation Methods	University of Colorado Denver
Applied Research I, RSEM 7001	Graduate	Research & Evaluation Methods	University of Colorado Denver
Applied Research II, RSEM 7002	Graduate	Research & Evaluation Methods	University of Colorado Denver
Applied Research III, RSEM 7003	Graduate	Research & Evaluation Methods	University of Colorado Denver
Business Modeling and Analysis, INFO 2020	Undergraduate	Business Information & Analytics	University of Denver
Business Statistics and Analysis, INFO 1020	Undergraduate	Business Information & Analytics	University of Denver
Educational Research and Measurement, RMS 4900	Graduate	Research & Evaluation Methods	University of Denver
Introductory Statistics, RMS 4910	Graduate	Research Methods & Statistics	University of Denver
Structural Foundation of Research in the Social Sciences, RMS 4940	Graduate	Research Methods & Statistics	University of Denver

Introduction to Statistics, Undergraduate Math  
MAT135/BUS226

Red Rocks Community  
College

## SERVICE

### School of Education and Human Development

- 2023-current *Committee Chair*, PhD Program Committee
- 2017-current *Committee Chair (2022-2023) and Committee Member (2017-2021)*, Merit Review
- 2020-2023 *Committee member*, Digital Teaching and Learning Committee

### University of Colorado

- 2024-current *Faculty Advisory Committee member*, Undergraduate Research & Creative Activities
- 2022-current *Lead mentor*, Center for Faculty Development & Advancement
- 2018-2023 *Committee member*, Faculty Graduate Council, University of Colorado Denver
- 2017 *Committee member*, Survey best practice university course creation, University of Colorado Denver

### State, National, and Community

- 2024 *Forest Service Coordinator*, Routt Powder Riders
- 2022 *Reviewer*, Journal of Educational Leadership and Policy Studies
- 2018-2024 *Reviewer*, American Evaluation Association Conference
- 2019-2024 *Reviewer*, American Educational Research Association Conference
- 2019-2021 *Program Co-Chair* for the AERA Rasch SIG
- 2020 *Reviewer*, School Psychology Quarterly
- 2020 *Reviewer*, International Objective Measurement Workshop
- 2017-2019 *Editorial Board Member*, School Psychology Quarterly
- 2018 *Reviewer*, American Educational Research Journal
- 2017 *Reviewer*, AERA Open
- 2017 *Alternative Committee Member*, Science State Standards Review, Colorado Department of Education
- 2015 *Reviewer*, The Gerontologist

## AWARDS/HONORS

- 04/2022 CU Denver campus award for Excellence in Research and Creative Work for Instructional, Research, and Clinical Faculty
- 01/2022 School of Education & Human Development's Excellence in Research Award
- 05/2020 CU Denver Graduate School Award for Mentoring Doctoral Students
- 04/2019 Provost's Award for Excellence in Practices Related to Non-Tenure-Track Faculty; given to the SEHD Faculty Research Center
- 12/2018 Service Award from the Division of School Psychology of the American Psychological Association
- 06/2016 Excellence in Youth Services Award for the *Putting SPELL (Supporting Parents in Early Literacy through Libraries) into Action* grant work from the Colorado Association of Libraries.
- 05/2016 Quality Matters Teaching Online Certification
- 04/2014 Best Graduate Student Paper Award from the International Objective Measurement Workshop