

Courtney (Vidacovich) Donovan

Clinical Assistant Professor; Director of SEHD Faculty Research Center
 University of Colorado Denver
 School of Education & Human Development
Courtney.Donovan@ucdenver.edu

EDUCATION

Date	Degree	Institution	Subject
11/2015	PhD	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**

09/2016 – current Clinical Assistant Professor, Director of SEHD Faculty Research Center
 Research and Evaluation Methods
 School of Education and Human Development
 University of Colorado Denver

01/2016 – 08/2015 Instructor
 Research and Evaluation Methods
 School of Education and Human Development
 University of Colorado Denver

01/2015 – 12/2016 Adjunct Professor
 Business Information and Analytics
 Daniels School of Business
 University of Denver

05/2014 – 12/2016 Adjunct Professor
 Research Methods and Statistics
 School of Education
 University of Denver

01/2015 – 05/2016 Instructor
 Math
 Red Rocks Community College

Research/Grants

04/2018 – current Data Team Lead
 Howard Hughes Medical Institute: CU Denver Inclusive Excellence

10/2017 – 07/2018 Data Analyst
 Walton Family Foundation: Measuring and Scaling Preschool Quality in
 Arkansas. \$705,000

- 01/2016 – 09/2016 Evaluation Analyst
Institute of Library and Museum Sciences: 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 Science 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.

- 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 OCPEA.*
- 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
- 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.
- 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.*
- 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.
- 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.
- 2014 **Tobiassen, C.**, Green, K, & Chao, R.C.L. (2014). Rasch Analysis of the Rosenberg Self-Esteem Scale for African American Students. American Educational Research Association Online Paper Repository. Retrieved from: <http://www.aera.net/Publications/OnlinePaperRepository/AERAOnlinePaperRepository/tabid/12720/Owner/940301/Default.aspx>
- Tobiassen, C.**, Seidel, K., Green, K.E., & Briggs, D. (2014). Differential Item Functioning on a Measure of Perceptions of Preparation for Teachers, Teacher Candidates, and Program Personnel. International Objective Measurement Workshop. Retrieved from: <https://docs.google.com/viewer?a=v&pid=sites&srcid=ZGVmYXVsdGRvbWFpbnpb213MjAxNGFyY2hpdmV8Z3g6M2RiNWUzNjM0ODgzNzk2Zg>

GRANTS FUNDED

Internal

- 2018 *Faculty Development Award.* **Courtney Donovan.** School of Education and Human Development. REC \$1,000.
- Colorado Learning and Teaching with Technology Registration Grant. **Courtney Donovan.** CU Online. REC \$150.

GRANTS UNFUNDED

External

- 2018 Courtney Donovan 4
 2018 *Collaborative research: The community college to CU (CC2CU) project.* PI: Michael Ferrara, Co-PI: **Courtney Donovan**. National Science Foundation. REC \$2,920,815. **Revising to resubmit.**
- 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**, Co-PI: Kent Seidel. Spencer. REC: \$26,817, declined.

Internal

- 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.
- 2017 An assessment of STEM assessments. PI: **Courtney Donovan**. CU Denver Office of Research Services, REC: \$16,600

GRANTS UNDER REVIEW

External

- 2018 *Redefining online engagement in undergraduate science laboratory courses.* PI: **Courtney Donovan**. National Science Foundation. REC \$202,074.

OTHER INDICATORS OF SCHOLARLY AND CREATIVE ACTIVITY

EVALUATION & CONSULTING EXPERIENCE

- 08/2018 Consultant and evaluator for *Respect You & Me*, a nonprofit organization working to encourage and support social-emotional skills via programs in K-12 schools
- 06/2018 5 year evaluation of the *Children’s Literacy Center’s* tutoring program in La Junta Elementary school
- 06/2017 Evaluation of Professional Development, *Denver Children’s Museum* & the “Growing Scientists” Collaborative
- 05/2016 Evaluation of Professional Development, *Denver Children’s Museum* & the “Growing Scientists” Collaborative
- 11/2015 Evaluation of K-12 teachers knowledge and use of data, *North Dakota Educational Technology Council*
- 03/2015 Evaluation of Inventory of Callousness-Unemotional Traits, Social Work department at Virginia Commonwealth University
- 05/2014 Consultant/analysis of collaborative law practices, Sturm College of Law at University of Denver

- Courtney Donovan 5
- 2018
05/2014 Evaluation of Children's Treatment of Animals scale, Social Work department at University of Denver
- 02/2013 Evaluation of Inclusive Excellence in Freshman Seminars, Student Services department at University of Denver

CURRICULUM DESIGN

- 11/2018 Course creation of Structural Equation Modeling
- 03/2017 Course creation of Advanced Measurement: Item Response Theory
- 05/2016 Curriculum development at University of Colorado at Denver
- 05/2016 Curriculum alignment at Daniels College

NON-PEER REVIEWED PUBLICATIONS

Articles

- 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.

Technical Reports

- 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
- 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

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

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

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

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

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

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

PEER REVIEWED PRESENTATIONS AT MEETINGS/CONFERENCES

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| 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 to be presented at the 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 to be presented at the 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 to be presented at the 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? To be 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! To be 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.
- 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.

SEMINARS/WORKSHOPS PRESENTED

- 2018 Donovan, C. (2018). Tips to get through IRB. Seminar presented at CU Denver, Denver.

- 2017 Donovan, C. (2017). Data Collection and Analysis. *Pathways to Teaching*. Seminar presented at Adams 14 High School, Denver.
- 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. (2017). Measure Creation. Seminar presented at CU Denver, Denver.
- Donovan, C. (2017). Using DeDoose for Qualitative Analysis. Seminar presented at CU Denver, Denver.
- Donovan, C. (2017). Tips to get through IRB. Seminar presented at CU Denver, Denver.
- Donovan, C. (2017). Using Qualtrics for Surveys. Seminar presented at CU Denver, Denver.
- Donovan, C. (2017). Statistics Modeling – What are the options? Seminar presented at CU Denver, Denver.
- 2015 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)
- American Evaluation Association (2014-2016, 2018-current)
- International Objective Measurement Workshop (2014-2016)
- American Association Teaching and Curriculum (2013-2014)
- Research Methods & Statistics Student Association, University of Denver, President (2014-2015)

PUBLICATIONS/CREATIVE WORKS IN PREPARATION

Under Review **Donovan, C.** (under review). Practical applications of data and assessment by K-12 teachers and the data sources they rely on. *Assessment in Education*.

Donovan, C., Doran-Myers, M., Hofschire, L., & Crist, B. (under review). Four types of partnerships libraries can form. *Public Libraries*.

Zong, C., **Donovan, C.**, & Marin Prais, D. (under review). Understanding How EdD Students View Educational Research: A Qualitative Study using Domain, Taxonomic, Componential and Text Mining Analysis. *Journal of Research on Leadership Education*.

Ibrahim, F. & **Donovan, C.** (under review). Experiences of Ethnic Diverse Faculty: Opportunities and Challenges. *Journal of Higher Education*.

Donovan, C. & Burns, E. (under review). Student choice and achievement in Advanced Placement courses. *Journal of Advanced Academics*.

Donovan, C. & Corner, T. (under review). How success in previous science and math courses relate to success in chemistry courses. *Science Education*.

Leech, N., **Donovan, C.**, Prais, D., Haug, C, & Phan, N (under review). Teaching in a P-12 Private or Public School: Is there a Difference in Teacher Motivation? *International Journal of Educational Research*.

COURSES TAUGHT

<u>Course and Number</u>	<u>Level</u>	<u>Department</u>	<u>Institution</u>
Advanced Measurement: Item Response Theory, RSEM7130	Graduate	Research & Evaluation Methods	University of Colorado Denver
Basic Statistics, RSEM 5100	Graduate	Research & Evaluation Methods	University of Colorado Denver
Intermediate Statistics, RSEM7110	Graduate	Research & Evaluation Methods	University of Colorado Denver
Introduction to Research Methods, RSEM5120	Graduate	Research & Evaluation Methods	University of Colorado Denver
Qualitative Inquiry, RSEM 6100	Graduate	Research & Evaluation Methods	University of Colorado Denver
Structural Equation Modeling, RSEM 7800	Graduate	Research & Evaluation Methods	University of Colorado Denver
Applied Research I, RSEM7001	Graduate	Research & Evaluation Methods	University of Colorado Denver

Applied Research II, RSEM7002	Graduate	Research & Evaluation Methods	University of Colorado Denver
Applied Research III, RSEM7003	Graduate	Research & Evaluation Methods	University of Colorado Denver
Business Modeling and Analysis, INFO2020	Undergraduate	Business Information & Analytics	University of Denver
Business Statistics and Analysis, INFO1020	Undergraduate	Business Information & Analytics	University of Denver
Educational Research and Measurement, RMS4900	Graduate	Research & Evaluation Methods	University of Denver
Introductory Statistics, RMS4910	Graduate	Research Methods & Statistics	University of Denver
Structural Foundation of Research in the Social Sciences, RMS4940	Graduate	Research Methods & Statistics	University of Denver
Introduction to Statistics, MAT135/BUS226	Undergraduate	Math	Red Rocks Community College

SERVICE

School of Education and Human Development

2018 *Committee Member, Merit Review Committee*

2017 *Committee Member, Merit Review Committee*

University of Colorado

2018 *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

2018 *Editorial Board Member, School Psychology Quarterly
Reviewer, American Educational Research Journal
Reviewer, American Evaluation Association Conference*

2017 *Editorial Board Member, School Psychology Quarterly
Reviewer, AERA Open
Alternative Committee Member, Science State Standards Review, Colorado Department
of Education*

2015 *Reviewer, The Gerontologist*

AWARDS/HONORS

- 04/2019 Provost's Award for Excellence in Practices Related to Non-Tenure-Track Faculty; given to the SEHD Faculty Research Center
- 08/2018 Nomination for Dean's Doctoral Student Mentoring Award at the University of Colorado Denver.
- 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 Certification (for teaching online courses)
- 04/2014 Best Graduate Student Paper Award from the International Objective Measurement Workshop