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## VITA

**Nancy L. Leech, Ph.D.**

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### EDUCATION

<u>Institution</u>	<u>Date</u>	<u>Degree</u>	<u>Major</u>
Colorado State University	2002	Ph.D.	Research/Statistics/Counseling
Colorado State University	1999	M.Ed.	Counseling and Career Development
University of Colorado Boulder	1992	B.A.	Psychology

### PROFESSIONAL EXPERIENCE

2014-present	Professor, School of Education and Human Development, University of Colorado Denver
2009-2014	Associate Professor, School of Education and Human Development, University of Colorado Denver
2002-2009	Assistant Professor, School of Education and Human Development, University of Colorado Denver
2003-2006	Faculty Research Associate, School of Education Research Center, University of Colorado Denver
2001-2002	Graduate Teaching Assistant, School of Education, Colorado State University
2000-2002	Research Associate, Research and Development Center for Student Learning, Colorado State University
2001-2002	Evaluator, Research and Development Center for Student Learning, Colorado State University
2001-2002	Graduate Research Assistant, Research Support Office in the School of Education, Colorado State University
1992-1995	Counselor, Crossroads Safehouse & Boulder County Safehouse
1993-1994	Director, EightCAP, Inc., Ionia/Montcalm Domestic Violence Program, Ionia, MI
1990-1994	Professional Research Assistant, Psychology Department, Social Psychology division, University of Colorado at Boulder
1991-1992	Research Assistant, Psychology Department, Clinical Psychology division, University of Colorado at Boulder
1990-1991	Research Assistant, Psychology Department, Cognitive Psychology division, University of Colorado at Boulder

### REFEREED PUBLICATIONS

2023	Howland Cummings, M., Spotts, J., Leech, N. L., & Haug, C. A. What keeps faculty from schools of education in higher education settings: Measuring occupational commitment. <i>Journal of Education for Teaching</i> :
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*International Research and Pedagogy.*  
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- 2023 Howland Cummings, M., Zong, C., Haug, C. A., Leech, N. L. Higher education faculty and job embeddedness: Validation of the Occupational Embeddedness Scale. *Studies in Higher Education.*  
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- 2022 Steed, E. A., Rausch, A., Strain, P., Bold, E., & Leech, N. High quality inclusion in preschool settings: A survey of early childhood personnel. *Topics in Early Childhood Special Education.*  
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- 2022 Gullett, S., Leech, N. L., & Haug, C. A Two sides to every story: Dual experiences of work-family integration while remote teaching during the COVID-19 pandemic. *Journal of Educational Leadership in Action, 8(2)*, Article 7. <https://digitalcommons.lindenwood.edu/ela/vol8/iss2/7>
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<https://doi.org/10.24059/olj.v26i1.2609>
- 2022 Zong, C., Giron Mathern, A., Leech, N. L., Davis, A., & Haug, C. A. To stay or leave? Understanding faculty's motivation to stay or change institutions. *Journal of Faculty Development, 36(2)*, 31-42.
- 2022 Steed, E. A., Phan, N., Leech, N., & Charlifue-Smith, R. Remote delivery of services for young children with disabilities during the early stages of the COVID-19 pandemic in the United States. *Journal of Early Intervention, 44*, 110-129. <https://doi.org/10.1177/10538151211037673>
- 2022 Steed, E., Leech, N. L., Phan, N., & Benzel, E. Early childhood educators' provision of remote learning during COVID-19. *Early Childhood Research Quarterly, 60*, 307-318.
- 2021 Crepeau-Hobson, F., Leech, N. L., & Russell, C. CLEAR Autism Diagnostic Evaluation (CADE) model evaluation of reliability and

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- validity. *Journal of Developmental and Physical Disabilities*.  
<https://doi.org/10.1007/s10882-021-09828-3>
- 2021 Steed, E., Shapland, D., & Leech, N. L. Early childhood teachers' perceptions of the effectiveness of their elementary school's approach to social emotional learning: A mixed methods study. *Early Childhood Education Journal*, 49, 789–798. <https://doi.org/10.1007/s10643-021-01248-4>
- 2021 Steed, E., & Leech, N. L. Shifting to remote learning during COVID-19: Differences for early childhood and early childhood special education teachers. *Early Childhood Education Journal*, 49, 789-798. <https://doi.org/10.1007/s10643-021-01218-w>
- 2021 Crepeau-Hobson, F., & Leech, N. L. Disciplinary and non--disciplinary outcomes of school-based threat assessment in Colorado schools. *School Psychology Review*. <https://doi.org/10.1080/2372966X.2020.1842716>
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- 2019 Leech, N. L., & Onwuegbuzie, A. J. A call for greater use of nonparametric statistics. *Research in the Schools*, 25, xiii-xxvi.
- 2019 Osei-Kojo, A., & Leech, N. L. Kingdon's three streams and policy change: A mixed methods study of performance agreement in Ghana's civil service. *International Journal of Multiple Research Approaches*, 11(3), 298–314. <https://doi.org/10.29034/ijmra.v11n3a4>

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- 2018 Dunlap, G., Strain, P., Lee, J. K., Joseph, J. D., & Leech, N. L. A randomized controlled evaluation of Prevent-Teach-Reinforce for young children. *Topics in Early Childhood Special Education*, 37(4), 195-205. <https://doi.org/10.1177/0271121417724874>
- 2017 Leech, N. L., Haug, C. A., & Brun, S. Differences in faculty research motivation: How gender, tenure status, years in higher education, rank, and type of degree impact productivity. *Research in the Schools*, 24(2), 33-39.
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- 2013 Crepeau-Hobson, F., & Leech, N. L. The impact of exposure to peer suicidal self-directed violence on youth suicidal behaviors: A critical review of the literature. *Suicide and Life-Threatening Behavior*, 44, 58-77. <https://doi.org/10.1111/sltb.12055>
- 2012 Leech, N. L. Writing mixed research reports. *American Behavioral Scientist*, 56, 866-881. <https://doi.org/10.1177/0002764211433800>
- 2012 Leech, N. L. Educating knowledgeable and skilled researchers in doctoral programs in schools of education: A new model. *International Journal of Doctoral Studies*, 7, 19-37. Retrieved from <http://ijds.org/Volume7/IJDSv7p019-037Leech325.pdf>
- 2012 Easley, N., Bianco, M., & Leech, N. L. Ganas: A qualitative study examining Mexican heritage students' motivation to succeed in higher education. *Journal of Hispanic Higher Education*, 11, 164-178.
- 2012 Frels, R., Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. Challenges to teaching mixed research courses. *Journal of Effective Teaching*, 12(2), 23-44.

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- 2012 Onwuegbuzie, A. J., Leech, N. L., Slate, J. R., Stark, M., Sharma, B., Frels, R. K., Harris, K., & Combs, J. P. An exemplar for teaching and learning qualitative research. *The Qualitative Report*, 17, 16-77. Retrieved from <http://www.nova.edu/ssss/QR/QR17-1/onwuegbuzie.pdf>
- 2012 Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. Qualitative analysis techniques for the review of the literature. *The Qualitative Report*, 17, 1-28.
- 2011 Leech, N. L., Haug, C. A., & Robinson, E. H. Agenda for researching teaching (ART): A visual model and research questions. *Research in the Schools*, 18, 25-32.
- 2011 Leech, N. L., & Onwuegbuzie, A. J. Beyond constant comparison qualitative data analysis: Using Nvivo. *School Psychology Quarterly*, 26, 70-84. <https://doi.org/10.1037/a0022711>
- 2011 Leech, N. L., Collins, K.M. T., Jiao, Q. G. & Onwuegbuzie, A. J. Mixed research in gifted education: A mixed research investigation of trends in the literature. *Journal for the Education of the Gifted*, 34(6), 860-875. <https://doi.org/10.1177/0162353211425095>
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- 2011 Leech, N. L., Onwuegbuzie, A. J., & Combs, J. P. Writing publishable mixed research articles: Guidelines for emerging scholars. *International Journal of Multiple Research Approaches*, 5, 7-24. <https://doi.org/10.5172/mra.2011.5.1.7>
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- 2011 Bianco, M., Leech, N. L., & Mitchell, K. Pathways to teaching: African American male teens explore teaching as a career. *The Journal of Negro Education*, 80(3), 368-383.
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- 2011 Onwuegbuzie, A. J., Dickinson, W. B., Leech, N. L., & Zoran, A. G. Un marco cualitativo para la recolección y análisis de datos en la investigación basada en grupos focales. *Paradigmas*, 3, 127-157. (Reprinted from *Quality and Quantity: International Journal of Methodology*, 43, 265-275.)
- 2010 Leech, N. L., Dellinger, A. B., Brannagan, K. B., & Tanaka, H. Evaluating mixed methods studies: A mixed methods approach. *Journal of Mixed Methods Research*, 4(1), 17-31.  
<https://doi.org/10.1177/1558689809345262>
- 2010 Leech, N. L., & Onwuegbuzie, A. J. Guidelines for conducting and reporting mixed research in the field of counseling and beyond. *Journal of Counseling and Development*, 88, 61-69.  
<https://doi.org/10.1002/j.1556-6678.2010.tb00151.x>
- 2010 Leech, N. L., Morgan, G. A., Wang, J., & Gliner, J. A. Statistical significance and the evidence based approach: Implications of non-significant results. *Journal of Non-Significant Results in Education*, 1, 1-12.
- 2010 Bianco, M., & Leech, N. L. Twice exceptional learners: Effects of teacher preparation and disability labels on gifted referrals. *Teacher Education and Special Education*, 33, 319-334.  
<https://doi.org/10.1177/0888406409356392>
- 2010 Rutter, P. A., Leech, N. L., Hallam, M., & Saunders, D. Couples counseling for a transgender-lesbian couple: Student counselor's comfort and discomfort with sexuality counseling topics. *Journal of LGBT Family Studies*, 6, 68-79. <https://doi.org/10.1080/15504280903472816>
- 2010 Onwuegbuzie, A. J., Leech, N. L., Murtonen M., & Tähtinen J. Utilizing mixed methods in teaching environments to reduce statistics anxiety. *International Journal of Mixed Research Approaches*, 4, 28-39.  
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- 2010 Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. Innovative data collection strategies in qualitative research. *The Qualitative Report*, 15(3), 696-726.

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- 2009 Onwuegbuzie, A. J., Dickinson, W. B., Leech, N. L., & Zoran, A. G. A qualitative framework for collecting and analyzing data in focus group research. *International Journal of Qualitative Methods*, 8(3), 1-21.
- 2009 Onwuegbuzie, A. J., & Leech, N. L. Generalization practices in qualitative research: Trends in the literature. *Quality and Quantity: International Journal of Methodology*, 44, 881-892. <https://doi.org/10.1007/s11135-009-9241-z>
- 2009 Onwuegbuzie, A. J., Slate, J. R., Leech, N. L., & Collins, K. M. T. Mixed data analysis: Advanced integration techniques. *International Journal of Multiple Research Approaches*, 3, 13-33.
- 2008 Leech, N. L. Statistics poker: Reinforcing basic statistical concepts. *Teaching Statistics*, 30(1), 26-28. <https://doi.org/10.1111/j.1467-9639.2008.00309.x>
- 2008 Leech, N. L., & Goodwin, L. D. Building a methodological foundation: Doctoral-level methods courses in colleges of education. *Research in the Schools*, 15, 1-8.
- 2008 Leech, N. L., & Onwuegbuzie, A. J. Qualitative data analysis: A compendium of techniques for school psychology research and beyond. *School Psychology Quarterly*, 23, 587-604. <https://doi.org/10.1037/1045-3830.23.4.587>
- 2008 Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. Interviewing the interpretive researcher: A method for addressing the crises of representation, legitimation, and praxis. *International Journal of Qualitative Methods*, 7(4), 1-17.
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- 2007 Leech, N. L., & Onwuegbuzie, A. J. An array of qualitative analysis tools: A call for data analysis triangulation. *School Psychology Quarterly*, 22, 557-584. <https://doi.org/10.1037/1045-3830/22/4/557>
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- 2007 Onwuegbuzie, A. J., Slate, J. R., Leech, N. L., & Collins, K. M. T. Conducting mixed analyses: A general typology. *International Journal of Multiple Research Approaches*, 1(1), 4-17.
- 2007 Onwuegbuzie, A. J., & Leech, N. L. Validity and qualitative research: An oxymoron?. *Quality and Quantity: International Journal of Methodology*, 41, 233-249. <https://doi.org/10.1007/s11135-006-9000-3>
- 2007 Onwuegbuzie, A. J., & Leech, N. L. Sampling designs in qualitative research: Making the sampling process more public. *The Qualitative Report*, 12(2), 238-254.
- 2007 Onwuegbuzie, A. J., & Leech, N. L. A call for qualitative power analyses. *Quality and Quantity: International Journal of Methodology*, 41, 105-121. <https://doi.org/10.1007/s11135-005-1098-1>
- 2006 Rutter, P. A., & Leech, N. L. Sexual minority youth perspectives on the school environment and suicide risk interventions: A qualitative study. *Journal of Gay and Lesbian Issues in Education*, 4(1), 77-91. [https://doi.org/10.1300/J367v04n01\\_06](https://doi.org/10.1300/J367v04n01_06)
- 2006 Wogelmuth, J. R., Cobb, R. B., Winokur, M., Leech, N. L., & Ellerby, D. Comparing longitudinal academic achievement in full-day and half-day kindergarten students.. *Journal of Educational Research*, 99, 260-269.
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- 2005 Leech, N. L., & Kees, N. L. Researching women's groups: Findings, limitations, and recommendations. *Journal of Counseling and Development*, 83(3), 367-373.
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#### INVITED ARTICLES IN REFERRED JOURNALS

- In Press. Onwuegbuzie, A. J., & Leech, N. L. Nonparametric analysis of qualitative data as a  $1 + 1 = 1$  full integration approach in a Mixed Research 2.0 era. *International Journal of Multiple Research Approaches*.
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- 2003 Onwuegbuzie, A. J., Levin, J., & Leech, N. L. Do effect-size measures measure up?: A brief assessment. *Learning Disabilities: A Contemporary Journal*, 1(1), 37-40.
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- 2001 Gliner, J. A., Morgan, G. A., Leech, N. L., & Harmon, R. J. Problems with null hypothesis significance testing. *Journal of the American Academy of Child and Adolescent Psychiatry*, 40(2), 250-252.

#### **REFEREED PUBLISHED PROCEEDINGS AND ABSTRACTS**

- 2022 Johnson, H. L., McClintock, E., & Leech, N. A multifocal lens on qualitative data analysis: An affordance of networking theoretical approaches. In J. Hodgen, E. Geraniou, G. Bolondi & F. Ferretti. (Eds.), *Proceedings of the Twelfth Congress of the European Society for Research in Mathematics Education (CERME12)* (pp.1-8). Free University of Bozen-Bolzano and ERME. <https://hal.archives-ouvertes.fr/hal-03749217>
- 2002 Leech, N. L. Differences in distress, social support, and self-concealment between undergraduate college students and counselors in training [Summary]. *Program and Proceedings of the Developmental Psychobiology Research Group Retreat*, 12, 29-30.
- 2000 Morgan, G. A., Gliner, J. A., & Leech, N. L. Problems with interpreting statistics and effect sizes: Suggestions from researchers who are not statisticians [Summary]. *Program and Proceedings of the Developmental Psychobiology Research Group Retreat*, 11, 26-27.

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## BOOKS

- 2020 Morgan, G. A., Barrett, K. C., Leech, N. L., & Gloeckner, G. W. *IBM SPSS for introductory statistics: Use and interpretation* (6th ed.). Taylor and Francis.
- 2017 Gliner, J. A., Morgan, G. A., & Leech, N. L. *Research methods in applied settings: An integrated approach to design and analysis*. (3rd ed.). Taylor and Francis.
- 2014 Leech, N. L., Barrett, K. C., & Morgan, G. A. *IBM SPSS for intermediate statistics: Use and interpretation* (5th ed.). Taylor and Francis.  
<https://doi.org/10.4324/9780203127315>
- 2013 Morgan, G. A., Leech, N. L., Gloeckner, G. W., & Barrett, K. C. *IBM SPSS for introductory statistics: Use and interpretation* (5th ed.). Taylor and Francis.
- 2011 Leech, N. L., Barrett, K. C., & Morgan, G. A. *IBM SPSS for intermediate statistics: Use and interpretation* (4th ed.). Taylor and Francis.
- 2010 Morgan, G. A., Leech, N. L., Gloeckner, G. W., & Barrett, K. C. *IBM SPSS for introductory statistics: Use and interpretation* (4th ed.). Taylor and Francis.
- 2009 Gliner, J. A., Morgan, G. A., & Leech, N. L. *Research methods in applied settings: An integrated approach to design and analysis*. (2nd ed.). Taylor and Francis.
- 2009 Leech, N. L., Barrett, K. C., & Morgan, G. A. *SPSS for intermediate statistics: Use and interpretation* (3rd ed.; 何丽娟 Trans.). Publishing House of Electronics Industry. (Original work published in 2008 by Erlbaum)
- 2008 Leech, N. L., Barrett, K. C., & Morgan, G. A. *SPSS for intermediate statistics: Use and interpretation* (3rd ed.). Erlbaum.
- 2007 Morgan, G. A., Leech, N. L., Gloeckner, G. W., & Barrett, K. C. *SPSS for introductory statistics: Use and interpretation* (3rd ed.). Erlbaum.
- 2005 Leech, N. L., Barrett, K. C., & Morgan, G. A. *SPSS for intermediate statistics: Use and interpretation* (2nd ed.). Erlbaum.
- 2005 Morgan, G. A., Gliner, J. A., & Harmon, R. J. (with Kraemer H. C., Leech, N. L., & Vaske, J. J.) *Understanding and evaluating research in applied and clinical settings*. Erlbaum.

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2004 Morgan, G. A., Leech, N. L., Gloeckner, G. W., & Barrett, K. C. *SPSS for introductory statistics: Use and interpretation* (2nd ed.). Erlbaum.

#### BOOK CHAPTERS

2023 Leech, N. L., & Donovan, C. Designing integrative mixed methods research: Mixed methods sampling and data collection. In R. J. Tierney, F. Rizvi, K. Erkican (Eds.), *International Encyclopedia of Education* (4th ed., Vol. 12, pp. 485-490). Elsevier. <https://dx.doi.org/10.1016/B978-0-12-818630-5.11047-4>

2022 Leech, N. L. Using IBM SPSS Statistics for integration in mixed methods research. In A. J. Onwuegbuzie and J. Hitchcock (Eds.), *The Routledge Handbook for Advancing Integration in Mixed Methods Research* (pp. 527-539). Routledge. DOI: 10.4324/9780429432828-41

2021 Leech, N. L. Introduction to IBM SPSS for mixed analysis. In A. J. Onwuegbuzie and B. Johnson (Eds.), *Reviewer's Guide for Mixed Methods Research Analysis* (pp. 355-376). Routledge.

2021 Onwuegbuzie, A. J., & Leech, N. L. *Qualitizing data*. In A. J. Onwuegbuzie and B. Johnson (Eds.), *Reviewer's Guide for Mixed Methods Research Analysis* (pp. 141-150). Routledge.

2015 Leech, N. L., & Onwuegbuzie, A. J. A typology of mixed methods research designs. In C. L. S. Coryn & C. Westine (Eds.), *Contemporary trends in evaluation research* (Vol. 3). Sage. (Reprinted from *Quality and Quantity: International Journal of Methodology*, 43, 265-275.)

2015 Leech, N. L., & Onwuegbuzie, A. J. Guidelines for conducting and reporting mixed research in the field of counseling and beyond. In C. L. S. Coryn & C. Westine (Eds.), *Contemporary trends in evaluation research* (Vol. 3). Sage. (Reprinted from *Journal of Counseling and Development*, 88, 61-69.)

2013 Icesan Sands, D., Fulmer, C. L., Davis, A., Zion, S., Shanklin, N., Blunck, R., Tzur, R., Leech, N. L., & Ruiz-Primo, M. A. Critical friends' perspectives on problems of practice and inquiry in the Ed.D. program. In V. A. Storey & B. M. Richard (Eds.), *Carnegie project for the educational doctorate: The role of critical friends in diffusing doctoral program innovation* (pp. 63 – 79). Palgrave/McMillan.

2013 Kees, N. L., & Leech, N. L. Women's groups: Research and practice trends. In J. DeLucia-Waack, D. Gerrity, & Riva, M. T. (Eds.), *The Handbook of Group Counseling and Psychotherapy* (2nd ed., pp. 506 – 520). Sage.

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- 2013 Mitchel, K., Bianco, M., & Leech, N. L. Pathways to teaching: The perspectives and experiences of two black male teens considering teaching as a career. In C. W. Lewis & I. A. Toldson (Eds.) *Black male teachers: Diversifying the nation's teacher workforce* (pp. 133 – 150). House of Sohghay Commission for Positive Education.
- 2011 Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. Toward a new era for conducting mixed analyses: The role of quantitative dominant and qualitative dominant crossover mixed analyses. In M. Williams & W. P. Vogt (Eds.), *The Sage handbook of innovation in social research methods* (pp. 353-384). Sage.
- 2011 Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. Innovative qualitative data collection techniques for conducting literature reviews. In M. Williams & W. P. Vogt (Eds.), *The Sage handbook of innovation in social research methods* (pp. 182-204). Sage.
- 2010 Leech, N. L. Interviews with the early developers of mixed methods research. In A. Tashakkori & C. Teddlie (Eds.), *Handbook of Mixed Methods in Social and Behavioral Sciences* (2nd ed., pp. 253-272). Sage.
- 2010 Onwuegbuzie, A. J., Collins, K. M. T., Leech, N. L., & Jiao, Q. G. Mixed data collection and analysis techniques for conducting research on giftedness and beyond. In B. Thompson & R. F. Subotnik (Eds.), *Research methodologies for conducting research on giftedness* (pp. 113-143). American Psychological Association.
- 2010 Leech, N. L. Unpacking the barriers and finding solutions for successful mixed research studies in stress and coping research and beyond. In K. M. T. Collins, A. J. Onwuegbuzie, & Q. G. Jiao (Eds.), *Toward a broader understanding of stress and coping: Mixed methods approaches. The Research on Stress and Coping in Education Series* (Vol. 5, pp. 59-76). Information Age Publishing.
- 2010 Leech, N. L., & Onwuegbuzie, A. J. Guidelines for conducting and reporting mixed research in the field of stress and coping and beyond. In K. M. T. Collins, A. J. Onwuegbuzie, & Q. G. Jiao (Eds.), *Toward a broader understanding of stress and coping: Mixed methods approaches. The Research on Stress and Coping in Education Series* (Vol. 5, pp. 77-104). Information Age Publishing.
- 2010 Onwuegbuzie, A. J., Collins, K. M. T., Leech, N. L., Dellinger, A. B., Jiao, Q. G. A meta-framework for conducting mixed research syntheses for stress and coping and beyond. In G. S. Gates, W. H. Gmelch, & M. Wolverton (Series Eds.) & K. M. T. Collins, A. J. Onwuegbuzie, & Q. G. Jiao (Vol. Eds.), *Toward a broader understanding of stress and coping:*

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*Mixed methods approaches: Vol. 5. The research on stress and coping in education* (pp. 169-211). Information Age Publishing.

- 2010 Onwuegbuzie, A. J., Dickinson, W. B., Leech, N. L., & Zoran, A. G. Toward more rigor in focus group research in stress and coping and beyond. In K. M. T. Collins, A. J. Onwuegbuzie, & Q. G. Jiao (Eds.), *Toward a broader understanding of stress and coping: Mixed methods approaches. The Research on Stress and Coping in Education Series* (Vol. 5, pp. 243-285). Information Age Publishing.
- 2009 Lowenthal, P. R., & Leech, N. L. Mixed research and online learning: Strategies for improvement. In T. T. Kidd (Ed.), *Online education and adult learning: New frontiers for teaching practices* (pp. 202-211). IGI Global.
- 2007 Leech, N. L., Onwuegbuzie, A. J., Murtonen, M., Mikkilä-Erdmann, M., & Tähtinen, J. Researcher workshop for student teachers—An example of a mixed methods learning environment. In M. Murtonen, J. Rautopuro, & P. Väisänen (Eds.). *Learning and teaching of research methods at university. Research in Educational Sciences* (Vol. 30, pp. 205-226). Finnish Educational Research Association.
- 2003 Kees, N. L., & Leech, N. L. Practice trends in women's groups: An inclusive view. In J. DeLucia-Waack & D. Gerrity (Eds.), *The Handbook of Group Counseling* (pp. 445-455). Sage.
- 2001 Leech, N. L. Developing a questionnaire and a data set. In G. A. Morgan, O. V. Griego, G. W. Gloeckner, *Using SPSS for Windows: An introduction to use and interpretation in research* (pp. 142-152). Erlbaum.
- 2001 Leech, N. L. Writing the methods, results, and discussion sections. In G. A. Morgan, O. V. Griego, G. W. Gloeckner, *Using SPSS for Windows: An introduction to use and interpretation in research* (pp. 170-174). Erlbaum.
- 2001 Leech, N. L. Answers to interpretation questions. In G. A. Morgan, O. V. Griego, G. W. Gloeckner, *Using SPSS for Windows: An introduction to use and interpretation in research* (pp. 202-209). Erlbaum.
- 2001 Lyall, J. M., & Leech, N. L. Overview of SPSS for windows. In G. A. Morgan, O. V. Griego, G. W. Gloeckner, *Using SPSS for Windows: An introduction to use and interpretation in research* (pp.1-12). Erlbaum.

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## ENCYCLOPEDIA ENTRIES

- In Press. Leech, N. L., Dellinger, A. B., & Donovan, C. Validity: Mixed methods. In C. A. Chapelle (Ed.). *The Encyclopedia of Applied Linguistics* (2nd ed.). Wiley-Blackwell.
- 2017 Leech, N. L., Collins, K. M. T., & Onwuegbuzie, A. J. Collecting qualitative data to enhance social network analysis and data mining. In R. Alhaji and J. Rokne (Eds.), *Encyclopedia on Social Network Analysis and Data Mining*. Springer.
- 2014 Leech, N. L., Collins, K. M. T., & Onwuegbuzie, A. J. Collecting qualitative data for social network analysis and data mining. In R. Alhaji and J. Rokne (Eds.), *Encyclopedia on Social Network Analysis and Data Mining* (pp. 124-133). Springer.
- 2011 Leech, N. L., & Dellinger, A. B. Validity: Mixed methods. In C. A. Chapelle (Ed.). *The Encyclopedia of Applied Linguistics*. Wiley-Blackwell. <https://doi.org/10.1002/9781405198431.wbeal1244>
- 2009 Johnson, R. B., Onwuegbuzie, A. J., Slate, J. R., Leech, N. L., Collins, K. M. T. Sampling in mixed methods research. In L. Sullivan, R. B. Johnson, C. C. Mercado, & K. J. Terry (Eds.), *Sage Glossary of the Social and Behavioral Sciences* (pp. 457-458). Sage.
- 2009 Johnson, R. B., Onwuegbuzie, A. J., Slate, J. R., Leech, N. L., Collins, K. M. T. Mixed methods research. In L. Sullivan, R. B. Johnson, C. C. Mercado, & K. J. Terry (Eds.), *Sage Glossary of the Social and Behavioral Sciences* (p. 327). Sage.
- 2009 Johnson, R. B., Onwuegbuzie, A. J., Slate, J. R., Leech, N. L., Collins, K. M. T. Mixed methods research validity types. In L. Sullivan, R. B. Johnson, C. C. Mercado, & K. J. Terry (Eds.), *Sage Glossary of the Social and Behavioral Sciences* (p. 327). Sage.
- 2009 Johnson, R. B., Onwuegbuzie, A. J., Slate, J. R., Leech, N. L., Collins, K. M. T. Validity in quantitative research. In L. Sullivan, R. B. Johnson, C. C. Mercado, & K. J. Terry (Eds.), *Sage Glossary of the Social and Behavioral Sciences* (pp. 533-534). Sage.
- 2009 Onwuegbuzie, A. J., Johnson, R. B., Slate, J. R., Leech, N. L., Collins, K. M. T. Sampling in qualitative research. In L. Sullivan, R. B. Johnson, C. C. Mercado, & K. J. Terry (Eds.), *Sage Glossary of the Social and Behavioral Sciences* (p. 458). Sage.

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- 2008 Leech, N. L., & Onwuegbuzie, A. J. Debriefing. In Lisa Given (Ed.), *Encyclopedia of Qualitative Research* (pp. 199-201). Sage.
- 2008 Leech, N. L., & Onwuegbuzie, A. J. Recursivity. In Lisa Given (Ed.), *Encyclopedia of Qualitative Research* (p. 745-746). Sage.
- 2008 Leech, N. L., & Onwuegbuzie, A. J. Conceptual ordering. In Lisa Given (Ed.), *Encyclopedia of Qualitative Research* (pp. 109-111). Sage.
- 2008 Leech, N. L., & Onwuegbuzie, A. J. Research literature. In Lisa Given (Ed.), *Encyclopedia of Qualitative Research* (pp. 783-784). Sage.
- 2008 Leech, N. L., & Onwuegbuzie, A. J. Raw data. In Lisa Given (Ed.), *Encyclopedia of Qualitative Research* (p. 729). Sage.
- 2008 Leech, N. L., & Onwuegbuzie, A. J. Field data. In Lisa Given (Ed.), *Encyclopedia of Qualitative Research* (p. 340). Sage.
- 2008 Leech, N. L., & Onwuegbuzie, A. J. Horizontalization. In Lisa Given (Ed.), *Encyclopedia of Qualitative Research* (pp. 400-401). Sage.
- 2007 Leech, N. L., Daniel, L. G., & Onwuegbuzie, A. J. Paired samples t-test. In N. J. Salkind (Ed.), *Encyclopedia of Measurement and Statistics* (pp. 723-726). Sage.
- 2007 Leech, N. L., Onwuegbuzie, A. J., & Daniel, L. G. Arithmetic mean definition. In N. J. Salkind (Ed.), *Encyclopedia of Measurement and Statistics* (pp. 43-44). Sage.
- 2007 Onwuegbuzie, A. J., Leech, N. L., & Daniel, L. G. Spearman's rho. In N.J. Salkind (Ed.), *Encyclopedia of Measurement and Statistics* (pp. 927-933). Sage.
- 2007 Daniel, L. G., Onwuegbuzie, A. J., & Leech, N. L. Linear regression. In N.J. Salkind (Ed.), *Encyclopedia of Measurement and Statistics* (pp. 544-550). Sage.
- 2007 Onwuegbuzie, A. J., Daniel, L. G., & Leech, N. L. Pearson's product moment correlation coefficient. In N.J. Salkind (Ed.), *Encyclopedia of Measurement and Statistics* (pp. 750-755). Sage.
- 2007 Onwuegbuzie, A.J., Daniel, L.G., & Leech, N.L Measures of central tendency. In N.J. Salkind (Ed.), *Encyclopedia of Measurement and Statistics* (pp. 586-591). Sage.

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## UNPUBLISHED BOOK REVIEW

- 2022 Leech, N. L. Review of *Preparing Literature Reviews: Qualitative and Quantitative Approaches*. For Taylor and Francis.
- 2020 Leech, N. L. Review of *A Question of Mixed Methods Research*. For Palgrave MacMillan.
- 2018 Leech, N. L. Review of *Educational Research: Quantitative, Qualitative, and Mixed Approaches*. For Sage.
- 2014 Leech, N. L. Review of *Mixed Methods for Policy and Program Evaluation*. For Sage.
- 2013 Leech, N. L. Review of *Mixed Methods Research and Culture-Specific Interventions: Program Design and Evaluation*. For Sage.
- 2013 Leech, N. L. Review of *Writing a Mixed Dissertation (and Beyond)*. For Teachers College Press.
- 2012 Leech, N. L. Review of *Mixed Methods for Applied Policy Research: Integrating Qualitative and Quantitative Approaches*. For Sage.
- 2007 Leech, N. L. Review of Gliner and Morgan, *Research Methods in Applied Settings: An Integrated Approach to Design and Analysis*. For Lawrence Erlbaum Associates.
- 2006 Leech, N. L. Review of Ross and Shannon, *Basic Through Intermediate Statistics for the Social Sciences*. For Lawrence Erlbaum Associates.
- 2005 Leech, N. L. Review of Huck, *Statistical Misconceptions*. For Lawrence Erlbaum Associates.
- 2005 Leech, N. L. Review of Ramsey and Ramsey, *Introduction to Applied Statistics*. For Lawrence Erlbaum Associates, Inc., Publishers.
- 2004 Leech, N. L. Review of Dunn, Smith, and Beins, *Best Practices in Teaching Statistics and Research Methods in Psychology*. For Lawrence Erlbaum Associates.
- 2001 Leech, N. L., & Morgan, G. A. Review of Levine et al., *A Guide to SPSS Analysis of Variance, 2nd ed.* For Lawrence Erlbaum Associates.
- 2001 Morgan, G. A., & Leech, N. L. Review of Creswell, *Research Design, Qualitative & Quantitative Approaches*. For Sage.

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2001 Leech, N. L. Review of sample size determination for a t test given a t value from a previous study: A Fortran 77 program. For *Behavioral Research Methods, Instruments, and Computers*.

2000 Morgan, G. A., & Leech, N. L. Review of power analysis for clinical multivariate designs: A flexible approach using the SPSS MANOVA procedure. For *Behavioral Research Methods, Instruments, and Computers*.

#### **INSTRUCTOR'S MANUALS**

2010 Gloeckner, G. W., Leech, N. L., & Stewert, A. Instructor Resources for *Research Methods in Applied Settings: An Integrated Approach* by J. A. Gliner, G. A. Morgan, and N. L. Leech (2nd ed.). Taylor and Francis.

2005 Clay, J., Gloeckner, G.W., & Leech, N. L. *SPSS for beginning statistics: Use and interpretation - Instructor's manual with additional activities and suggestions for instructors (CD ROM)*. Erlbaum.

#### **TECHNICAL REPORTS**

2003 Leech, N. L., Granger, G., Bender, K., & Foster, A. *Animal assisted training with children with autism* [Unpublished manuscript]. Research and Development Center for Student Learning, Colorado State University.

2002 Leech, N. L. *Early childhood task force research project: Professional development survey results* [Unpublished manuscript]. Research and Development Center for Student Learning, Colorado State University.

2002 Leech, N. L. *On-line advisor evaluation: Report on the pilot project* [Unpublished manuscript]. Research and Development Center for Student Learning, Colorado State University.

2000 Leech, N. L. *Policy brief: Early childhood program and assessment update* [Unpublished manuscript]. Research and Development Center for Student Learning, Colorado State University.

2001 Kees, N. L., Carlson, L., Leech, N. L., & Dahlen, P. (July). *Report from the ACA task force on women in counseling*. American Counseling Association.

#### **PUBLICATIONS IN PREPARATION**

In Review. Leech, N. L., Benzel, E., Gullett, S., & Haug, C. A. Teachers' perceptions of work life during the pandemic of COVID 19: Validating the use of professional quality of life scale. *International Journal of Multiple*

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*Research Approaches.*

- In Review. Leech, N. L., Donovan, C., Prais, D., Haug, C. A., & Phan, N. Teaching in a P-12 private or public school: Is there a difference in teacher motivation? *Journal of School Choice: International Research and Reform.*
- In Review. Zong, C., Howland Cummings, M., Haug, C. A., & Leech, N. L. Do negatively worded questions impact survey results? Survey wording effects in the Core Self-Evaluations Scale. *Research in the Schools.*
- In Review. Leech, D. L., Leech, N. L., McClintock, E., & Haug, C. A. Rural teachers' motivations to teach: Do their motivations differ from non-rural teachers'?. *The Rural Educator.*
- In Review. Giron Mathern, A., Huvad, H., Donovan, C., & Leech, N. L. A measure of museum sense of belonging: Scale development and validation visitor studies. *Visitor Studies.*
- In Review. Adams, S., Barton, E., & Leech, N. L. Professional development for early childhood coaches: The coaches' perspective. *Infants and Young Children.*
- In Review. Onwuegbuzie, A. J., & Leech, N. L. Teaching meta-themes: A mixed methods approach. In A. Ruth, A. Wutich and H. R. Bernard (Eds.) *The Handbook of Teaching Qualitative and Mixed Research Methods: A Step-by-Step Guide for Instructors.* Routledge.
- In Review. Onwuegbuzie, A. J., & Leech, N. L. School psychologists' use of mixed methods research in the field: A call for more mixed methods research and mixed methodological articles. *School Psychology.*
- In Prep. Osei-Kojo, A., Bobbie, L. H., Andrews, N., Wilkerson, A. D., Adams, E., & Leech, N. L. *The state of research on Ghana's oil and gas resources: Themes and future directions.*
- In Prep. Leech, N. L., Gullett, S., Howland Cummings, M., & Haug, C. A. *Schooling during COVID19: School at home, school at school, school online.*
- In Prep. Leech, N. L., Howland Cummings, M., Gullett, S., & Haug, C. A. *Schooling during COVID 19: Parents' stress levels measured by the ProQOL.*
- In Prep. Leech, N. L., McClintock, E., Leech, D. L., & Haug, C. A. *Rural/Non-rural teachers survey: Mixed methods analysis.*
- In Prep. Lamont-Manfre, M., Leech, N. L., & Haug, C. A. *Research and evaluation methods programs in the United States: An update.*

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- In Prep. Donovan, C., Leech, N. L., Garrison-Wade, D. *Differences between tenured/tenure track and clinical faculty.*
- In Prep. Leech, N. L., Lamont, M., Munnely, P., Leech, D. J., Haug, C. A. *EdD and PhD degrees: What does the literature say?*
- In Prep. Leech, N. L., Leech, D. J., Lamont, M., Munnely, P., Haug, C. A. *EdD and PhD degrees: Perceptions across the academy.*
- In Prep. Zong, C., Howland Cummings, M., Davis, A., Haug, C. A., & Leech, N. L. *Predicating faculty research motivation: A path analysis of the model.*

### **KEYNOTE PRESENTATIONS**

- 2016 Leech, N. L. (March). *Mixed methods and human development research: The past, present, and future.* Keynote presentation at the annual meeting of the Society for Research in Human Development, Denver, CO.

### **INVITED WORKSHOPS**

- 2009 Onwuegbuzie, A. J., Collins, K. M. T., Leech, N. L., Dellinger, A. B., & Jiao, Q. G. (February). *Step-by-step guide to conducting and writing rigorous, comprehensive, and insightful literature reviews: A mixed methods approach.* Invited workshop presented at the annual meeting of the Southwest Educational Research Association, S. Padre Island, TX.
- 2007 Onwuegbuzie, A. J., Collins, K. M. T., & Leech, N. L. (2007, April). *Designing research: Exploring complementary methods in education research.* In J. Green, G. Camilli, P. B. Elmore, & A. Skukauskaite (Directors), *Mixed methods as complementary methods.* Invited Professional Development Training Course presented at the annual meeting of the American Educational Research Association, Chicago, IL.
- 2006 Leech, N. L., & Onwuegbuzie, A. J. (October). *Qualitative Data Analysis: A Step-by-Step Approach.* Invited workshop presented at Clemson University, Clemson, SC.

### **SYMPOSIUMS**

- 2020 Viesca, K., Ehmke, T., Hammer, S., Leech, N. L., Goodwin, A., Harfitt, G., Routarinne, S., Perumal, R., & Alisaari, J. *Developing quality teachers: International insights from Europe, the US and Hong Kong.* Due to COVID19, symposium accepted but not presented at the meeting of the European Educational Research Association, Glasgow, Scotland.

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## MASSIVE OPEN ONLINE COURSE (MOOCS)

- 2020 Leech, N. L. (October 10). *Writing mixed methods research reports*. Mixed Methods International Research Association (MMIRA) Massive Open Online Course (MOOC) Best Practices.

## NEWSLETTERS

- 2019 Leech, N. L. (January 7). Want to publish more? Think through what works best for you. [Electronic mailing list message from Monday Morning Message]. University of Colorado Denver, Denver, CO.
- 2018 Leech, N. L., & Westland, C. (October 29). *Academic identity: The importance of relationships*. [Electronic mailing list message from Monday Morning Message]. University of Colorado Denver, Denver, CO.
- 2018 Leech, N. L., & Giron Mathern, A. (July 23). *Conducting literature reviews utilizing qualitative analysis*. [Electronic mailing list message from Monday Morning Message]. University of Colorado Denver, Denver, CO.

## CONFERENCE PRESENTATIONS AND WORKSHOPS

### INVITED CONFERENCE PRESENTATIONS

- 2008 Leech, N. L. & Onwuegbuzie, A. J. (March). *Qualitative data analysis: A compendium of techniques for school psychology research and beyond*. Invited James E. McLean Outstanding Paper presented at the annual meeting of the American Educational Research Association, New York.
- 2005 Leech, N. L., & Onwuegbuzie, A. J. (April). *A typology of mixed methods research designs*. Invited paper presented at the annual meeting of the American Educational Research Association Annual Meeting, Montreal, Canada.
- 2004 Onwuegbuzie, A. J., & Leech, N. L. (April). *A call for qualitative power analyses*. Invited paper presented at the annual meeting of American Educational Research Association Annual Meeting, San Diego, CA.
- 2003 Onwuegbuzie, A. J., & Leech, N. L. (April). *Taking the "Q" out of research: Teaching research methodology courses without the divide between quantitative and qualitative paradigms*. Invited paper presented at the American Educational Research Association Annual Meeting, Chicago, IL.

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## INVITED PRESENTATIONS

- 2023 Leech, N. L. (April). *Pragmatic productivity and creating an agenda*. Invited presentation for the Research Center, School of Education and Human Development, University of Colorado, Denver, CO.
- 2022 Leech, N. L. (October). *Mixed methods research: Integrating qualitative and quantitative methods*. Invited presentation for the OPRE Methods Meeting 2022 for the Administration for Children and Families, Washington, DC.
- 2021 Steed, E., & Leech, N. L. (April). *Research in a pandemic*. Invited presentation for the Research Center, School of Education and Human Development, University of Colorado, Denver, CO.
- 2021 Leech, N. L. (November). *Mixed methods research: Merging quantitative and qualitative methods*. Invited presentation at CLSC 7202: Clinical Outcomes & Applications, Department of Health Systems, Management and Policy, PhD Program – Health Services Research. University of Colorado Denver Anschutz Medical Campus, Aurora, CO.
- 2020 Leech, N. L. (November). *Mixed methods research: Merging quantitative and qualitative methods*. Invited presentation at CLSC 7202: Clinical Outcomes & Applications, Department of Health Systems, Management and Policy, PhD Program – Health Services Research. University of Colorado Denver Anschutz Medical Campus, Aurora, CO.
- 2020 Leech, N. L. (February). *Advanced qualitative techniques*. Invited presentation for the Research Center, School of Education and Human Development, University of Colorado, Denver, CO.
- 2019 Leech, N. L. (November). *Mixed methods research: Merging quantitative and qualitative methods*. Invited presentation at CLSC 7202: Clinical Outcomes & Applications, Department of Health Systems, Management and Policy, PhD Program – Health Services Research. University of Colorado Denver Anschutz Medical Campus, Aurora, CO.
- 2018 Leech, N. L. (December). *Research Advice: Pragmatic Productivity & Creating an Agenda*. Invited presentation for the Research Center, School of Education and Human Development, University of Colorado, Denver, CO.
- 2018 Leech, N. L. (October). *Mixed methods research: Merging quantitative and qualitative methods*. Invited presentation at CLSC 7202: Clinical Outcomes & Applications, Department of Health Systems, Management and Policy, PhD Program – Health Services Research. University of Colorado Denver Anschutz Medical Campus, Aurora, CO.



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- 2017 Leech, N. L. (November). *Mixed methods research: Merging quantitative and qualitative methods*. Invited presentation at CLSC 7202: Clinical Outcomes & Applications, Department of Health Systems, Management and Policy, PhD Program – Health Services Research. University of Colorado Denver Anschutz Medical Campus, Aurora, CO.
- 2016 Leech, N. L. (November). *Mixed methods research: Merging quantitative and qualitative methods*. Invited presentation at CLSC 7202: Clinical Outcomes & Applications, Department of Health Systems, Management and Policy, PhD Program – Health Services Research. University of Colorado Denver Anschutz Medical Campus, Aurora, CO.
- 2015 Leech, N. L. (November). *Mixed methods research: Merging quantitative and qualitative methods*. Invited presentation at CLSC 7202: Clinical Outcomes & Applications, Department of Health Systems, Management and Policy, PhD Program – Health Services Research. University of Colorado Denver Anschutz Medical Campus, Aurora, CO.
- 2013 Leech, N. L. (November). *Using qualitative data in mixed methods research studies*. Invited presentation at the Qualitative Methods Showcase, hosted by the Qualitative Methods Research Forum (QMRF), University of Colorado Anschutz Medical Campus, Aurora, CO.
- 2013 Leech, N. L. (October). *Mixed methods research*. Invited presentation at the School of Education, University of Colorado, Boulder, CO.
- 2012 Leech, N. L. (February). *Mixed methods research*. Invited presentation at the School of Health and Behavioral Sciences, University of Colorado Denver, Denver, CO.
- 2012 Leech, N. L. (October). *Coding without software*. Invited presentation at the Qualitative Methods Showcase, hosted by the Qualitative Methods Research Forum (QMRF), University of Colorado Anschutz Medical Campus, Aurora, CO.
- 2011 Leech, N. L. (February). *Mixed methods research*. Invited presentation at the School of Health and Behavioral Sciences, University of Colorado Denver, Denver, CO.

#### **INVITED WEBINARS**

- 2011 Leech, N. L., & Onwuegbuzie, A. J. *Looking at your data through multiple lenses*. Webinar conducted for QSR International: Cambridge, MA.

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## REFEREED CONFERENCE PRESENTATIONS

- 2023 Leech, N. L., & Onwuegbuzie, A. J. (April). *School psychologists' use of mixed methods research in the field: A call for more mixed methods research and mixed methodological articles* [Paper Presentation]. AERA Annual Meeting, Chicago, IL, United States.
- 2022 Johnson, H. L., McClintock, E., & Leech, N. L. (February). *A multifocal lens on qualitative data analysis: An affordance of networking theoretical approaches*. Proceedings of the 12th Congress of the European Society for Research in Mathematics Education (CERME 12), Bolzano, IT.
- 2021 Zong, C., Howland Cummings, M., Haug, C., & Leech, N. (2021, April 9-12). *Do negatively-worded questions impact survey results? Survey wording effects in the core self-evaluations scale* [Paper Presentation]. AERA Annual Meeting (Virtual Meeting).
- 2019 Zong, C., Giron Mathern, A., Leech, N. L., & Davis, A. (October). *To stay or leave? Understanding faculty's motivation to stay or change institutions* [Paper Presentation]. Northern Rocky Mountain Educational Research Association, Denver, CO, United States.
- 2019 Cummings, M., Spotts, J., & Leech, N. (October). *What keeps faculty in higher education settings: Measuring occupational commitment* [Paper Presentation]. Northern Rocky Mountain Educational Research Association, Denver, CO.
- 2019 Leech, N. L., & Onwuegbuzie, A. J. (April). *Small sample sizes in mixed methods research studies: The importance of nonparametric statistics* [Paper Presentation]. American Educational Research Association, Toronto, Canada.
- 2019 Onwuegbuzie, A. J., & Leech, N. L. (April). *On qualitzing* [Paper Presentation]. Educational Research Association, Toronto, Canada.
- 2017 Viesca, K., Dray, B., & Leech, N. L. (April). *Developing linguistically responsive content teachers through eworkshops* [Paper Presentation]. American Educational Research Association, San Antonio, TX.
- 2017 Milbourn, T., Viesca, K., & Leech, N. L. (April). *Measuring linguistically responsive teaching: First results* [Paper Presentation]. American Educational Research Association, San Antonio, TX.
- 2015 Bianco, M., & Leech, N. (April). *The perspectives and experiences of Latino teens exploring a pathway to teaching* [Paper Presentation]. Educational Research Association, Chicago, IL.

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- 2014 Davis, A., & Leech, N. L. (June). *Research courses for the EdD: What do students need to know to be successful?* [Presentation]. The Carnegie Project on the Education Doctorate, Denver, CO.
- 2014 Leech, N. L., Collins, K. M. T., & Onwuegbuzie, A. J. (April). *A framework for collecting qualitative data for social network analysis and data mining*. Paper presented at the annual meeting of the American Educational Research Association, Pittsburg, PA.
- 2012 Mitchell, K., Recker, C., Tandon, M., & Leech, N. (November). *Ensuring inequity for multilingual learners: Accountability Colorado-style*. Paper presented at CoTESOL, Denver, CO.
- 2012 Onwuegbuzie, A. J., Frels, R. K., Leech, N. L., & Collins, K. M. T. (June). *Teaching mixed research courses: Pedagogical strategies used by selected leading mixed methodologists*. Paper presented at the International Mixed Methods Conference, Leeds, England.
- 2012 Frels, R. K., Onwuegbuzie, A. J., Collins, K. M. T., & Leech, N. L. (May). *So you want to teach mixed research? A typology of challenges and implications for practice*. Paper presented at the Eighth International Congress of Qualitative Inquiry, Urbana-Champaign, IL.
- 2012 Frels, R. K., Onwuegbuzie, A. J., Collins, K. M. T., & Leech, N. L. (May). *Teaching a research course in mixed methods: Concepts and strategies used by leading methodologists*. Paper presented at the Eighth International Congress of Qualitative Inquiry, Urbana-Champaign, IL.
- 2012 Frels, R. K., Onwuegbuzie, A. J., Collins, K. M. T., & Leech, N. L. (May). *Significant learning goals in mixed research courses*. Paper presented at the Eighth International Congress of Qualitative Inquiry, Urbana-Champaign, IL.
- 2012 Bianco, M., Easley, N., & Leech, N. L. (April). *Ganas: A qualitative study examining Mexican heritage students' motivation to succeed in higher education*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- 2012 Onwuegbuzie, A. J., Frels, R. K., Leech, N. L., & Collins, K. M. T. (April). *Strategies used by selected leading mixed methodologists in mixed research courses*. Paper presented at the annual meeting of the American Educational Research Association, Vancouver, Canada.
- 2012 Frels, R. K., Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T., (February). *Pedagogical strategies used by select leading mixed methodologists in mixed research courses*. Paper presented at the

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- annual meeting of the Southwest Educational Research Association, New Orleans, LA.
- 2012 Onwuegbuzie, A. J., Frels, R. K., Collins, K. M. T., & Leech, N. L. (February). *A four-phase model for teaching and learning mixed research*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
- 2012 Onwuegbuzie, A. J., Frels, R. K., Leech, N. L., & Collins, K. M. T. (February). *Challenges to teaching and learning in mixed research courses*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
- 2011 Collins, K.M.T., Onwuegbuzie, A.J., & Leech, N.L. (April). *Quantitative dominant and qualitative dominant crossover mixed analyses: A prolegomenon*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- 2011 Onwuegbuzie, A.J., Leech, N.L., & Collins, K.M.T. (April). *A qualitative data collection framework for conducting literature reviews/research syntheses*. Paper presented at the annual meeting of the American Educational Research Association, New Orleans, LA.
- 2011 Onwuegbuzie, A. J., Frels, R. K., Leech, N. L., & Collins, K. M. T. (February). *A mixed research study of mixed research courses: Experiences and perceptions of instructors*. Paper presented at the annual meeting of the Eastern Educational Research Association, Sarasota, FL.
- 2011 Collins, K. M. T., Onwuegbuzie, A. J., & Leech, N. L. (February). *Quantitative dominant and qualitative dominant crossover mixed analyses*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.
- 2011 Onwuegbuzie, A. J., Frels, R. K., Leech, N. L., & Collins, K. M. T. (February). *A mixed research study of approaches used by mixed research instructors*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.
- 2011 Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. (February). *A qualitative data collection framework for conducting literature reviews*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.
- 2010 Leech, N. L., Collins, K. M. T., Jiao, Q. G., & Onwuegbuzie, A. J. (November). *Gifted education: A mixed methods study of the literature*.

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- Paper presented at the annual meeting of the Mid-South Educational Research Association, Mobile, AL.
- 2010 Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. (July). *Infusing mixed research into a college-level research methodology program*. Paper presented at the annual meeting of the International Mixed Methods Conference, Baltimore, MD.
- 2010 Leech, N. L., Onwuegbuzie, A. J., & Combs, J. P. (April). *Guidelines for writing mixed research articles*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- 2010 Bianco, M., Harris, B., Garrison-Wade, D., & Leech, N. L. (April). *Gifted girls: Gender bias in gifted referrals*. Paper presented at the annual meeting of the American Educational Research Association, Denver, CO.
- 2010 Leech, N. L., & Onwuegbuzie, A. J. (February). *Beyond constant comparison qualitative data analysis: Using NVivo*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
- 2010 Leech, N. L., Collins, K. M. T., Jiao, Q. G., & Onwuegbuzie, A. J. (February). *A mixed research investigation of trends in the gifted education literature*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
- 2010 Frels, R., Sharma, B., Onwuegbuzie, A. J., Leech, N. L., Combs, J. P., & Stark, M. (February). *The use of the scoring checklist for teaching and learning qualitative research*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
- 2010 Onwuegbuzie, A. J., Leech, N. L., Bustamante, R. M., Collins, K. M. T., & Combs, J. P. (February). *Qualitative analysis techniques for the review of the literature*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
- 2010 Onwuegbuzie, A. J., & Leech, N. L. (February). *A mixed research model for collecting and analyzing focus group data*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
- 2009 Leech, N. L., Combs, J. P., & Onwuegbuzie, A. J. (November). *Writing publishable mixed research articles: Guidelines for emerging scholars*. Paper presented at the annual meeting of the Mid-South Educational Research Association, Baton Rouge, LA.

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- 2009 Collins, K. M. T., Onwuegbuzie, A. J., & Leech, N. L. (April). *Interviewing the interpretive researcher: An interactive framework addressing the crises of representation, legitimation, and praxis*. Paper presented at the annual meeting of the American Educational Research Association, San Diego.
- 2009 Bianco, M., & Leech, N. L., (April). *Twice-exceptional learners: Effects of teacher preparation and disability labels on gifted referrals*. Paper presented at the annual meeting of the American Educational Research Association, San Diego.
- 2009 Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. (February). *Data collection in qualitative research: Innovative strategies*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.
- 2009 Onwuegbuzie, A. J., Leech, N. L., Slate, J. R., Stark, M., Sharma, B., Frels, R., Harris, K., & Combs, J. P. (February). *A model for teaching and learning qualitative research*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.
- 2008 Onwuegbuzie, A. J., Leech, N. L., Murtonen M., & Tähtinen J. (October). *The role of mixed methods research in reducing statistics anxiety*. Paper presented at the annual meeting of the Georgia Educational Research Association, Savannah, GA.
- 2008 Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. (October). *Interviewing the interpretive researcher: A method for addressing the crises of representation, legitimation, and praxis*. Paper presented at the annual meeting of the Georgia Educational Research Association, Savannah, GA.
- 2008 Onwuegbuzie, A. J., Slate, J. R., Leech, N. L., & Collins, K. M. T. (March). *Introducing the Mixed Analysis Matrix: A general typology for conducting mixed analyses*. Paper presented at the annual meeting of the American Educational Research Association, New York.
- 2008 Slate, J. R., Onwuegbuzie, A. J., Leech, N. L., & Collins, K. M. T. (March). *Mixed data analysis: Advanced integration techniques*. Paper presented at the annual meeting of the American Educational Research Association, New York.
- 2008 Leech, N. L., Onwuegbuzie, A. J., & Collins, K. M. T. (February). *Interviewing the interpretive researcher: A method for addressing the crises of representation*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.

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- 2008 Onwuegbuzie, A. J., Slate, J. R., Leech, N. L., & Collins, K. M. T. (February). *Increasing the rigor of mixed research: Conducting mixed analyses*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
- 2008 Dellinger, A. B., Leech, N. L., Brannagan, K. B., & Tanaka, H. (February). *Evaluating mixed methods studies*. Paper presented at the annual meeting of the Southwest Educational Research Association, New Orleans, LA.
- 2007 Leech, N. L. & Onwuegbuzie, A. J. (October). *Mixed research in the field of counseling and beyond: Guidelines for conducting and reporting*. Paper presented at the annual meeting of the Georgia Educational Research Association, Savannah, GA.
- 2007 Onwuegbuzie, A. J., Dickinson, W. B., Leech, N. L., & Zoran, A. G. (October). *Focus group research: A new model for collecting and analyzing focus group data*. Paper presented at the annual meeting of the Georgia Educational Research Association, Savannah, GA.
- 2007 Leech, N. L. & Onwuegbuzie, A. J. (November). *Qualitative data analysis: A compendium of techniques for school psychology research and beyond*. Paper presented at the annual meeting of the Mid-South Educational Research Association, Hot Springs, AR.
- 2007 Onwuegbuzie, A. J., Slate, J. R., Leech, N. L., & Collins, K. M. T. (November). *Conducting mixed analyses: A general typology*. Paper presented at the annual meeting of the Mid-South Educational Research Association, Hot Springs, AR.
- 2007 Leech, N. L. & Onwuegbuzie, A. J. (April). *Standards for reporting mixed methods data*. Paper presented at the American Educational Research Association Annual Meeting, Chicago, IL.
- 2007 Onwuegbuzie, A. J., Collins, K. M. T., Leech, N. L., Dellinger, A. B., Jiao, Q. G. (April). *Mixed methods + literature reviews = mixed research*. Paper presented at the American Educational Research Association Annual Meeting, Chicago, IL.
- 2007 Onwuegbuzie, A. J., Collins, K. M. T., Leech, N. L., Dellinger, A. B., Jiao, Q. G. (February). *A meta-framework for conducting mixed research syntheses*. Paper presented at the annual meeting of the Eastern Educational Research Association, Clearwater, FL.
- 2007 Leech, N. L., & Onwuegbuzie, A. J. (February). *A compendium of qualitative data analysis techniques*. Paper presented at the annual meeting of the Eastern Educational Research Association, Clearwater, FL.

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- 2007 Onwuegbuzie, A. J., Dickinson, W. B., Leech, N. L., & Zoran, A. G. (2007, February). *Toward more rigor in focus group research: A new framework for collecting and analyzing focus group data*. Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.
- 2006 Leech, N. L., & Onwuegbuzie, A. J. (November). *Mixed methods in counseling research: Past, present, and future*. Paper presented at the annual meeting of the Mid-South Educational Research Association, Birmingham, AL.
- 2006 Onwuegbuzie, A. J., & Leech, N. L. (November). *Generalization practices in qualitative research: A mixed methods case study*. Paper presented at the annual meeting of the Mid-South Educational Research Association, Birmingham, AL.
- 2006 Dellinger, A. B., & Leech, N. L. (April). *Evaluation of extant empirical literature: A multi-paradigmatic approach*. Paper presented at the annual meeting of the Southwest American Educational Research Association, San Francisco, CA.
- 2005 Onwuegbuzie, A. J., & Leech, N. L. (November). *Generalization practices among qualitative researchers: Trends in the literature*. Paper presented at the annual meeting of the Georgia Educational Research Association, Savannah, GA.
- 2005 Onwuegbuzie, A. J., & Leech, N. L. (November). *Sampling designs in qualitative research: The quest for more rigor*. Paper presented at the annual meeting of the Georgia Educational Research Association, Savannah, GA.
- 2005 Onwuegbuzie, A. J., Leech, N. L., Murtonen M., & Tähtinen J. (August). *Utilizing mixed methods in teaching environments to reduce statistics anxiety*. Paper presented at the biennial conference of the European Association for Research on Learning and Instruction, Nicosia, Cyprus.
- 2005 Wray, M., Stevens, E., & Leech, N. L. (April). *Faculty perceptions of outcomes and engagement in on-line and traditional classrooms*. Poster session presented at the American Educational Research Association Annual Meeting, Montreal.
- 2005 Leech, N. L., & Onwuegbuzie, A. J. (February). *Increasing rigor in qualitative research: The array of tools for qualitative analysis*. Paper presented at the annual meeting of the Southwest American Educational Research Association, New Orleans, LA.



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- 2005 Onwuegbuzie, A. J., & Leech, N. L. (February). *Linking research questions to mixed methods data analysis procedures*. Paper presented at the annual meeting of the Southwest American Educational Research Association, New Orleans, LA.
- 2005 Onwuegbuzie, A. J., & Leech, N. L. (February). *Sampling designs in qualitative research: Making the sampling process more public*. Paper presented at the annual meeting of the Southwest American Educational Research Association, New Orleans, LA.
- 2004 Onwuegbuzie, A. J., & Leech, N. L. (November). *Mixed methods and the future of research: No longer the qualitative-quantitative divide*. Paper presented at the annual meeting of the Georgia Educational Research Association, Savannah, GA.
- 2004 Leech, N. L., & Onwuegbuzie, A. J. (November). *A typology of mixed methods research designs*. Paper presented at the annual meeting of the Mid-South Educational Research Association, Gatlinburg, TN.
- 2004 Leech, N. L., & Onwuegbuzie, A. J. (November). *What is qualitative research*. Paper presented at the annual meeting of the Mid-South Educational Research Association, Gatlinburg, TN.
- 2004 Onwuegbuzie, A. J., & Leech, N. L. (February). *Enhancing the interpretation of "significant" findings: The role of mixed methods research*. Paper presented at the annual meeting of the Eastern American Educational Research Association, Clearwater, FL.
- 2004 Onwuegbuzie, A. J., & Leech, N. L. (February). *A call for qualitative power analyses*. Paper presented at the annual meeting of the Southwest American Educational Research Association, Dallas, TX.
- 2003 Onwuegbuzie, A. J., & Leech, N. L. (November). *On becoming a pragmatic researcher: The importance of combining quantitative and qualitative research methodologies*. Paper presented at the annual meeting of the Mid-South Educational Research Association, Biloxi, MS.
- 2003 Onwuegbuzie, A. J., & Leech, N. L. (November). *A framework for making quantitative educational research articles more reader-friendly for practitioners*. Paper presented at the annual meeting of the Mid-South Educational Research Association, Biloxi, MS.
- 2003 Onwuegbuzie, A. J., & Leech, N. L. (October). *A typology of errors and myths perpetuated in educational research textbooks*. Paper presented at the annual meeting of the Northern Rocky Mountain Educational Research Association, Jackson Hole, WY.

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- 2003 Stevens, E., Leech, N. L., Richardson, K., Strang, H., Howell, C., Bates, B., & Wray, M. (October). *On-line vs. traditional classroom learning: A qualitative analysis*. Paper presented at the annual meeting of the Northern Rocky Mountain Educational Research Association, Jackson Hole, WY.
- 2003 Onwuegbuzie, A. J., & Leech, N. L. (February). *Taking the "Q" out of research: Teaching research methodology courses without the divide between quantitative and qualitative paradigms*. Presented at the Southwest American Educational Research Association Annual Meeting, San Antonio, TX.
- 2003 Onwuegbuzie, A. J., & Leech, N. L. (February). *Meta-analysis research: Cautions and limitations*. Presented at the Eastern American Educational Research Association Annual Meeting, Hilton Head, SC.
- 2003 Leech, N. L., & Morgan, G. A. (April). *The educational quality of counseling programs: Does requiring students to participate in counseling affect their willingness to seek counseling?* Poster session presented at the American Educational Research Association Annual Meeting, Chicago, IL.
- 2003 Leech, N. L., & Onwuegbuzie, A. J. (April). *A proposed fourth measure of significance: The role of economic significance in educational research*. Presented at the American Educational Research Association Annual Meeting, Chicago, IL.
- 2002 Leech, N. L., & Onwuegbuzie, A. J. (October). *A call for greater use of nonparametric statistics*. Presented at the Mid-South American Educational Research Association Annual Meeting, Chattanooga, TN.
- 2002 Onwuegbuzie, A. J., & Leech, N. L. (October). *Post-hoc power: A concept whose time has come*. Presented at the Mid-South American Educational Research Association Annual Meeting, Chattanooga, TN.
- 2002 Leech, N. L. (June). *Differences in distress, social support, and self-concealment between undergraduate college students and counselors in training*. Poster session presented at the biennial meeting of the Developmental Psychobiology Research Group, Estes Park, CO.
- 2002 Morgan, G. A., Leech, N. L., Barrett, K. C., Busch-Rossnagel, N. A., & Harmon, R. J. (June). *Reliability and validity of the dimensions of mastery questionnaire (DMQ)*. Poster session presented at the biennial meeting of the Developmental Psychobiology Research Group, Estes Park, CO.
- 2001 Gliner, J. A., Leech, N. L., & Morgan, G. A. (April). *Problems with null hypothesis significance testing (NHST): What do the textbooks say*.

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Presented at the American Educational Research Association Annual Meeting, Seattle, WA.

- 2000 Morgan, G. A., Gliner, J. A., & Leech, N. L. (June). *Problems with interpreting statistics and effect sizes: Suggestions from researchers who are not statisticians*. Poster session presented at the biennial meeting of the Developmental Psychobiology Research Group, Estes Park, CO.

#### **REFEREED CONFERENCE WORKSHOPS**

- 2010 Onwuegbuzie, A. J., Collins, K. M. T., Leech, N. L., & Slate, J. R. (April). *Mixed data analysis techniques: A comprehensive step-by-step approach*. Professional Development Training Course presented at the annual meeting of the American Educational Research Association, Denver.
- 2009 Onwuegbuzie, A. J., Collins, K. M. T., Leech, N. L., Dellinger, A. B., & Jiao, Q. G. (February). *Step-by-step guide to conducting and writing rigorous, comprehensive, and insightful literature reviews: A mixed-methods approach*. Professional Development Training Course presented at the annual meeting of the Southwest American Research Association, San Antonio, TX.
- 2008 Onwuegbuzie, A. J., Slate, J. R., Collins, K. M. T., & Leech, N. L. (November). *Mixed methods for program evaluation*. Professional Development Training Course presented at the annual meeting of the American Evaluation Association, Denver.
- 2008 Onwuegbuzie, A. J., Slate, J. R., Leech, N. L., & Collins, K. M. T. (March). *Mixed data analysis techniques: A comprehensive step-by-step approach*. Professional Development Training Course presented at the annual meeting of the American Educational Research Association, New York.
- 2006 Leech, N. L., & Onwuegbuzie, A. J. (April). *Qualitative data analysis: A step-by-step approach*. Professional Development Training Course presented the American Educational Research Association Annual Meeting, San Francisco, CA.
- 2005 Leech, N. L., & Onwuegbuzie, A. J. (April). *Qualitative data analysis: Ways to improve accountability in qualitative research*. Presented at the American Educational Research Association Annual Meeting, Montreal, CA.

#### **TEACHING**

##### **COURSES TAUGHT**

At University of Colorado Denver:

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Advanced Methods in Quantitative Inquiry and Measurement	3 credits	RSEM 7120
Advanced Methods of Qualitative Inquiry	3 credits	RSEM 7100
Doctoral Seminar in Research Methods	3 credits	RSEM 7000
Intermediate Statistics	3 credits	RSEM 7110
Introduction to Measurement	3 credits	RSEM 5110
Introduction to Research Methods	3 credits	RSEM 5120
Methods of Qualitative Inquiry	3 credits	RSEM 6100
Methods of Survey Research	3 credits	RSEM 7050
Mixed Methods Research	3 credits	RSEM 7150
Educational Assessment and Measurement	3 credits	RSEM 7010
Evaluation and Action Research		
Data Collection Methods	3 credits	RSEM 7500

At Colorado State University:

Analysis of Relationships	3 credits	VE706
Counseling Practicum	3 credits	ED686DV
Foundations of Counseling	3 credits	VE692EV
Introduction to Research Methods	3 credits	ED600
Measurement Concepts	3 credits	ED606
Mental Health Issues in Counseling	3 credits	ED693

**COURSES DESIGNED**

Advanced Methods of Qualitative Inquiry	3 credits	RSEM 7100
Mixed Methods Research	3 credits	RSEM 7150
Educational Assessment and Measurement	3 credits	RSEM 7010
Evaluation and Action Research		
Data Collection Methods	3 credits	RSEM 7500

**CONSULTATIONS: RESEARCH AND ANALYSIS**

2003 – 2006                      Faculty Research Associate, School of Education and Human Development Research Center

Number of consultations by year

32 consultations	2006
3 workshops	
25 consultations	2005
1 faculty workshop	
33 consultations	2004
2 faculty workshops	
9 consultations	2003
2 faculty workshops	

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## SERVICE

### SCHOOL OF EDUCATION AND HUMAN DEVELOPMENT

2022 – 2025	Member, Merit Review Committee
2019 – 2022	Co-Chair, Retention, Tenure, and Promotion (RTP) Committee
2010 – 2021	Program Chair/Representative, Research and Evaluation Methods (REM)
2022	Member and Chair, Merit Review Committee
2021	Member and Chair, Merit Review Committee
2020	Member and Chair, Merit Review Committee
2019	Member, Ad Hoc Committee on Developing Research Policies
2018	Member and Chair, Merit Review Committee
2017	Member and Chair, Merit Review Committee
2016	Member, Merit Review Committee
2015	Member, Dean’s Review Committee
2015	Member, Merit Review Committee
2014	Member, Dean’s Review Committee
2014	Member, Merit Review Committee
2013	Member, Merit Review Committee
2012 – 2013	Co-Chair, Curriculum Committee
2012	Member, Research Merit Review Committee
2010 – 2012	Member, Curriculum Committee
2011 – 2012	Chair of RTP Standards Committee
2010 – 2011	Mentor for Untenured Faculty Member in the SEHD
2010 – 2011	Member, Search Committee for Dean of School of Education and Human Development
2011	Member, Research Merit Review Committee
2009	Member, Research Merit Review Committee
2008 – 2010	Co-chair, Curriculum Committee
2006 – 2008	Chair, Curriculum Committee
2006 – 2007	Co-Chair, Search Committee Educational Psychology Faculty position
2006 – 2007	Research mentor for participant of the Presidential Teaching and Learning Collaborative
2005	Teaching Merit Review Committee
2002 - 2008	Member, EDLI Committee
2003 - 2008	Member, Ad hoc EDLI Dissertation Review Committee
2003 - 2008	Member, Inquiry Course Management Team
2005 – 2006	Co-Chair, Search Committee Research Center Director/REM Faculty position
2006	Member, Search Committee School Psychology Faculty position
May 2006	Guest speaker for EDLI 7700 – Doctoral Pro Seminar
2005 – 2006	Co-Chair, Curriculum Committee

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2004 - 2005	Member, Curriculum Committee
2004 – 2005	Member, Search Committee REM Faculty position
2002 - 2004	Reviewer for <i>Novations</i>
2003 – 2004	Co-chair, Scholarship Committee
2002 – 2003	Chair, Scholarship Committee
April 2003	Diversity Research Team Qualitative Research Presentation

#### **CAMPUS AND UNIVERSITY SYSTEM**

2022	Member, College of Engineering Design, and Computing, Primary Unit Committee for Promotion
2015 – 2018	Graduate Council, School of Education and Human Development Representative
2013	Member, Retention, Tenure and Promotion committee for the Department of Sociology, CLAS, University of Colorado Denver
2011-2012	Member, Annual Award for Excellence in Research/Creative Activities Committee
2007	Chair, Human Subjects Research Committee
2004 – 2006	Human Subjects Research Committee member
2006-2007	Member, Annual Award for Excellence in Research/Creative Activities Committee
2002 - 2005	Faculty Assembly Representative
Fall 2005	Graduation Marshal for the School of Education
February 2004	Presentation for Steering Committee for the Consolidation of UCD and HSC
Fall 2004	Graduation Marshal for the School of Education
Fall 2003	Graduation Marshal for the School of Education
Fall 2002	Graduation Marshal for the School of Education
January 2004	Research Consultation with Dr. Kitty Corbett, Anthropology
March 2003	Research Consultation with Dr. Jose Lafosse, Psychology

#### **PROFESSIONAL SERVICE**

2023	Reviewer for University of Tulsa's merit review process
2023	Reviewer for the Mixed Methods Research Special Interest Group (SIG) of AERA 2023 Outstanding Dissertation Award
2022	External Reviewer for Promotion and Tenure, Wyoming
2022	Consultant for the Office of Planning, Research, and Evaluation (OPRE), Administration for Children and Families, U.S. Department of Health and Human Services
2022	Ad hoc Reviewer for a Special Section on Using Mixed Methods to Advance Science and Practice in School Psychology in <i>School Psychology Quarterly</i>

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2017 – present	Associate Editor, <i>International Journal of Multiple Research Approaches</i>
2004 – present	Member of Editorial Board and Reviewer, <i>Research in the Schools</i>
2019	Reviewer for <i>National Science Foundation (NSF)</i> proposal
2019	Consultant for Dr. David Chang, Harvard Medical School
2019	Participant for National Science Foundation (NSF) panel
2016 – 2019	Associate Editor, <i>School Psychology Quarterly</i>
2012 – 2019	Member of Editorial Board and Reviewer, <i>Oxford Bibliographies in Education</i>
2018	Reviewer for <i>National Science Foundation (NSF)</i> proposal
2017	External Reviewer for Promotion and Tenure, Georgia State University
2017	IBM SPSS Beta Tester
2016	External Reviewer for Promotion and Tenure, Texas
2016	External Reviewer for Promotion and Tenure, Wyoming
2016	External Reviewer for Promotion and Tenure, Texas
2016	IBM SPSS Beta Tester
2015	Judge for Sigma Xi's Student Research Showcase
2015	IBM SPSS Beta Tester
2010 – 2015	Member of Editorial Board and Reviewer, <i>School Psychology Quarterly</i>
2013 – 2014	Member of Editorial Board and Reviewer, <i>Sage's Online Research Methods Project</i>
2012 – 2014	Reviewer, <i>The Encyclopedia of Applied Linguistics</i>
2012 – 2014	Reviewer, <i>The Clinical Supervisor</i>
2011 – 2014	Reviewer, <i>Measurement and Evaluation in Counseling and Development (MECD)</i>
2006 – 2014	Reviewer, <i>Journal of Mixed Methods Research (JMMR)</i>
2013 – 2014	Reviewer, <i>International Journal of Social Research Methodology</i>
2012 – 2014	Reviewer, <i>American Educational Research Journal: Teaching, Learning, and Human Development</i>
2006 – 2014	Reviewer, <i>Statistics Education Research Journal (SERJ)</i>
2014	IBM SPSS Beta Tester
2013	IBM SPSS Beta Tester
2013	Reviewer of Dissertations for the AERA Mixed Methods Research SIG Dissertation Award
2010 – 2012	Member, PhD Program Advisory Council, University of Denver Graduate School of Social Work
2012	Reviewer for <i>National Science Foundation (NSF)</i> proposals
2012	IBM SPSS Beta Tester
2008 – 2012	Reviewer, <i>International Journal of Multiple Research Approaches (IJMRA)</i>
2011	IBM SPSS Beta Tester
2010	IBM SPSS Beta Tester

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2010 – 2011	Chair, Mixed Methods Special Interest Group (SIG), AERA
2008 – 2010	Program Chair, Mixed Methods Special Interest Group (SIG), AERA
2007 – 2010	Guest Editor of the <i>International Journal of Multiple Research Approaches</i> special issue on Teaching Mixed Methodologies
2009	SPSS Beta Tester
2009	Reviewer for 2010 SERA conference proposals
2008	SPSS Beta Tester
2007	Reviewer for 2007 MSERA conference proposals
2007	SPSS Beta Tester
2006 – 2009	Member of Editorial Board and Reviewer, <i>Educational Researcher</i>
2006 – 2008	Member, Thompson R2-J School District Math Taskforce for choosing district wide new curriculum
2003 – 2005	Advisory Committee Member to the Education Steering Group of the Campbell Collaboration, an international professional association dedicated to publishing systematic reviews in a web-based library that is accessible world-wide
2006	SPSS Beta Tester
Fall 2006	Reviewer for 2007 AERA conference proposals for the Mixed Methods SIG
Fall 2006	Reviewer for 2007 AERA conference proposals for Division D – Measurement and Research Methodology
2004 – 2005	President, Professors of Research Special Interest Group (SIG), AERA
Fall 2005	Reviewer for the 2005 SERA conference proposals for Division III
2004	Committee revising the survey for alumni of teacher preparation programs for Colorado Commission on Higher Education
Fall 2004	Reviewer for 2005 AERA conference proposals for Division D – Measurement and Research Methodology
2004	Chair for AERA Session
2004	Discussant for AERA Session
2002 – 2003	SPSS Beta Tester

## RECOGNITIONS & HONORS

<i>School Psychology Quarterly</i> Service Award for Outstanding Editorial Board Member	2019
Distinguished Lecturer – Semi-finalist University of Colorado Denver	2019



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<i>School Psychology Quarterly</i> Service Award for Outstanding Editorial Board Member	2018
<i>School Psychology Quarterly</i> Service Award for Outstanding Editorial Board Member	2017
<i>School Psychology Quarterly</i> Service Award for Outstanding Editorial Board Member	2016
<i>School Psychology Quarterly</i> Service Award for Outstanding Reviewer	2015
<i>Research in the Schools</i> Outstanding Reviewer of the Year Award	2015
<i>School Psychology Quarterly</i> Service Award for Outstanding Reviewer	2014
Author of the Month, August Routledge Leech, N. L., Barrett, K., & Morgan, G. A. <i>IBM SPSS for intermediate statistics: Use and interpretation</i> (5th ed.). New York, NY: Taylor and Francis	2014
<i>School Psychology Quarterly</i> Service Award for Outstanding Reviewer	2012
Circle of Giving Award University of Colorado Denver School of Education and Human Development - \$1000 Leech, N. L. <i>Improving teacher education programs: Understanding the relationship among teacher demographics, programs, and performance.</i>	2011
Southwest Educational Research Association (SERA) Outstanding Paper Award - \$180 Onwuegbuzie, A. J., Frels, R. K., Leech, N. L., & Collins, K. M. T. (February). <i>A mixed research study of approaches used by mixed research instructors.</i> Paper presented at the annual meeting of the Southwest Educational Research Association, San Antonio, TX.	2011
Outstanding Reviewer for <i>Educational Researcher (ER)</i>	2010
School of Education and Human Development Excellence in Research Award - \$500	2010
Outstanding Reviewer for <i>Educational Researcher (ER)</i>	2007

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Mid-South Educational Research Association (MSERA) Outstanding Paper Award - \$500	2007
Leech, N. L. & Onwuegbuzie, A. J. (November). <i>Qualitative data analysis: A compendium of techniques for school psychology research and beyond</i> . Paper presented at the annual meeting of the Mid-South Educational Research Association, Hot Springs, AR.	
School of Education Excellence in Research Award - \$500	2005
School of Education Excellence in Research Award - \$500	2004
Mid-South Educational Research Association (MSERA) Outstanding Paper Award - \$500	2004
Leech, N. L., & Onwuegbuzie, A. J. (2004, November). <i>A typology of mixed methods research designs</i> . Paper presented at the annual meeting of the Mid-South Educational Research Association, Gatlinburg, TN.	
Southwest Educational Research Association (SERA) Outstanding Paper Award - \$500	2004
Onwuegbuzie, A. J., & Leech, N. L. (2004, February). <i>A call for qualitative power analyses</i> . Paper presented at the annual meeting of the Southwest American Educational Research Association, Dallas, TX.	
Southwest Educational Research Association (SERA) Outstanding Paper Award - \$500	2003
Onwuegbuzie, A. J., & Leech, N. L. (2003, February). <i>Taking the "Q" out of research: Teaching research methodology courses without the divide between quantitative and qualitative paradigms</i> . Presented at the Southwest American Educational Research Association Annual Meeting, San Antonio, TX.	
Dissertation nominated for AERA Division E Dissertation Award	2003

### **PROFESSIONAL ORGANIZATIONS**

American Education Research Association (AERA), Division D Measurement and Research Methodology Division E Counseling and Human Development	1999-present
Sigma Xi, member	2000-present
Phi Kappa Phi, member	2012-present, 2000-2008
National Council for Measurement and Evaluation (NCME)	2004-2009

### **OTHER INDICATORS OF SCHOLARSHIP**

#### **RESEARCH SUPPORT**

2022	Fettig, A., Steed, E. A., & Love, H. <i>Project mixer: Preparing special education leaders to use mixed methods research to effectively support</i>
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- children with high intensity needs and their families.* University of Washington. \$4 million. I will have summer pay to oversee the evaluation. Funded.
- 2021      Fetting, A., Steed, E. A., & Love, H. *Project mixer: Preparing special education leaders to use mixed methods research to effectively support children with high intensity needs and their families.* University of Washington. \$4 million. If funded, I will have summer pay to oversee the evaluation. Declined.
- 2022      Thorpe, J., & Staley, C. *21st century technology for 21st century learning.* CU Next Award. \$209,167.50. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay to oversee the evaluation. Declined.
- 2017      Ledford, J. R., & Barton, E. E. *Development of a manualized approach for teaching children in early childhood settings (MATCHES).* National Centers of Special Education Research, Institute for Education Sciences. \$1,500,000.00. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Declined.
- 2017      Hemmeter, M. L., & Barton, E. E. *Summative evaluation of Sesame Street season 74: Focus on kindness.* Sesame Street Corporation, \$114,075. I wrote the methods and data analysis sections for this proposal. I will have summer pay and a course release to do the data analysis. Funded.
- 2016      Leech, N. L., & Haug, C. A. *Learner centered modes of teaching: Understanding best practice from unschoolers.* University of Colorado Denver Center for Faculty Development, \$4650, Funded.
- 2016      *International consortium for multilingual excellence in education.* PI: Kara Mitchell Viesca. Senior Personnel: Joan Barnatt, Chris Carson, Nancy Commins, Kelly Demers, Timo Ehmke, Margaret J. Freedson, Renée Greenfield, Svenja Hammer, Bryn Harris, Kim Hutchison, Joy Johnson, Nicole Joseph, Jung-In Kim, Nancy Leech, Amy Liebermann, Christine Montecillo Leider, Sharolyn Pollard-Durodola, Kathryn Strom, and Annela Teemant. Department of Education Office of English Language Acquisition National Professional Development Program. \$2.74 million. I wrote the methods and data analysis sections for this proposal. I will have summer pay or course release to do the data analysis. Funded.
- 2016      Strain, P. *Examining malleable factors predicting long-term effects of LEAP practices.* Institute for Education Sciences. Goal 1 Application. \$1,599,516. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Funded.

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- 2016 Crepeau-Hobson, M. F., & Leech, N. L. *Suicide prevention: Reducing suicide rates through the use of the Zero Suicide program: Letter of Interest*. 1.5 million. American Foundation for Suicide Prevention. Declined.
- 2016 Ledford, J. R., & Barton, E. E. *Development of a manualized approach for teaching children in early childhood settings (MATCHES)*. National Centers of Special Education Research, Institute for Education Sciences. \$1,500,000.00. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Declined.
- 2016 Crepeau-Hobson, M. F. *Evaluation of the effectiveness of a multi-tiered intervention program in increasing school safety in an urban low-income school district*. United States Department of Justice Comprehensive School Safety Initiative. \$3.09 million. I wrote the methods and data analysis sections for this proposal. Declined.
- 2015 Barton, E., Meadan, H., & Fettig, A. *Development and testing of the family behavior support app*. National Centers of Special Education Research, Institute for Education Sciences. \$1,500,000.00. If funded, I will have summer pay to do the data analysis. Funded.
- 2015 Viesca, K., & Teemant, A. *Effective teachers and teaching for English Learners in fifth grade language arts*. Institute for Education Sciences. \$1,400,000.00. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Declined.
- 2015 Ledford, J. R., & Barton, E. E. *Development of a manualized approach for teaching children in early childhood settings (MATCHES)*. National Centers of Special Education Research, Institute for Education Sciences. \$1,500,000.00. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Declined.
- 2015 Strain, P. *Examining malleable factors predicting long-term effects of LEAP practices*. Institute for Education Sciences. Goal 1 Application. \$1,599,516. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Declined.
- 2015 Dunlap, G., Fox, L., & Strain, P. *Prevent-Teach-Reinforce for families*. IES Goal 3 Application. \$1,112,014. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Declined.

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- 2014 Walters, B., Connors, S., & Leech, N. L. *STEM evaluator training: Assessing a model employing cognitive apprenticeship*. National Science Foundation, \$766,349. Declined.
- 2014 Crepeau-Hobson, M. F., & Eveleigh, R. *The impact of free counseling services on adolescent suicidality: The second wind fund*. The University of Rochester Injury Control Research Center for Suicide Prevention (ICRC-S). I wrote the data analysis section for this proposal. Declined.
- 2014 Durand, M., Clarke, S., Steed, E. A., & Fox, L. *Optimistic Teaming: Improving family-preschool partnerships for young children with challenging behavior*. Institute for Education Sciences. \$1,135,670.00. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Declined.
- 2014 Barton, E., & Harris, B. *Evidence-based identification practices in a diverse, community sample of children with Autism*. US Department of Health and Human Services: Child and Maternal Health Bureau, R40 Autism Intervention Proposal. \$830,059.96. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Declined.
- 2014 Dunlap, G., Fox, L., & Strain, P. *Prevent-Teach-Reinforce for families*. IES Goal 3 Application. \$1,112,014. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Declined.
- 2014 Strain, P. *Examining malleable factors predicting long-term effects of LEAP practices*. IES Goal 1 Application. \$1,599,516. I wrote the methods and data analysis sections for this proposal. If funded, I will have summer pay and a course release to do the data analysis. Declined.
- 2013 Leech, N. L., Attman, O., Makarewicz, C. & Belansky, E., *School, home and community environments and the results for occupants*. Environmental Protection Agency. \$999,965. Declined.
- 2012 Dunlap, G., Strain, P., & Leech, N. L. *A randomized controlled trial of the Prevent-Teach-Reinforce model for young children*. Institute for Education Sciences. \$2,667,001. I wrote the data analysis section for this proposal. I am getting summer pay and will have a course release to do the data analysis. Funded.
- 2012 Barton, E., Moore, H., & Leech, N. L. *Language and play everyday: Teaching parents to use language enhancing strategies*. Institute for Education Sciences. \$1,098,273. I wrote the methods and data analysis

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- sections for this proposal. If funded, I will have a course release to do the data analysis. Declined.
- 2012 Leech, N. L., Marlow, M. P., & McLain, B. *STEM It's not just an acronym: A playbook for national distribution*. National Science Foundation. \$3,023,477, Declined.
- 2012 McLain, B., Leech, N. L., & Marlow, M. P. *Hydrobot case studies: What are diverse adolescent girls' experiences in a team-based STEM competition program and how do these experiences contribute to their science identity construction?* Institute for Education Sciences. \$487,062, Declined.
- 2012 Leech, N. L., & Haug, C. A. *A randomized controlled trial of questionnaire design and administration best practices*. Institute for Education Sciences. Letter of Intent. \$750,000, Declined.
- 2012 Leech, N. L., & Haug, C. A. *Questionnaire design: A randomized controlled trial*. University of Colorado Denver Center for Faculty Development, \$4680, Declined.
- 2011 Bianco, M., Mitchell, K., & Leech, N. L. *Pathways2Teaching: Creating a pipeline for diverse future teachers*. Rose Community Foundation. \$15,000, Funded.
- 2011 Strain, P., & Leech, N. L. *LEAP–USA follow-up project*. National Center for Special Education Research. \$1,198,674. Funded. I was paid to write the data analysis section for this proposal. Declined.
- 2011 Leech, N. L. *Improving teacher education programs: Understanding the relationship among teacher demographics, programs, and performance*. University of Colorado Denver Center for Faculty Development, \$6050, Declined.
- 2010 O'Brian, J., Gutierrez, C., & Leech, N. L. *Transforming educator assessment practices (TEAP.) Improving Teacher Quality*: Colorado Department of Higher Education. \$406,000, Declined.
- 2010 Basile, C., Bianco, M., Leech, N. L., & Mitchell, K. *K-12 STEM learning and diversity recruitment: Motivating STEM careers through student-led service learning and reciprocal teaching: Letter of Interest*. National Science Foundation, Declined.
- 2009 Leech, N. L. *Educating knowledgeable and skilled researchers in doctoral programs within schools of education: Letter of Interest*. Spencer Foundation, \$178,775, Declined.

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- 2007 Leech, N. L. *Educating knowledgeable and skilled researchers in research and evaluation (REM) programs within schools of education: Unpacking the environment, curriculum, and individual resources*. National Science Foundation, \$637,467, Declined.
- 2007 Marlow, M., Thomas, D., & Leech, N. L. *IPY extreme environments: Leveraging teacher polar experience to produce an extensible model for creating inquiry in the classroom and beyond*. National Science Foundation, \$1,777,605.00, Declined.
- 2004 Leech, N. L., & Williams, C. *Being successful in higher education*, University of Colorado at Denver and Health Sciences Center for Faculty Development, \$1000, Funded.
- 2003 Leech, N. L. *Teaching inquiry in graduate programs: A national study*, CU-Denver Center for Faculty Development, \$2000, Funded.
- 2000 Morgan, G. A., & Leech, N. L. *Breastfeeding and other early antecedents of mastery motivation*, Developmental Psychobiology Research Group Endowment from the Grant Foundation (DPEF), \$3500, Funded.