



Amy Wagler, Ph.D.
The University of Texas at El Paso
Department of Mathematical Sciences
500 West University Avenue
Bell Hall 311
El Paso, TX 79968
Phone: 915-747-6847
Email: awagler2@utep.edu



Education

Ph.D. in Statistics, Oklahoma State University, Stillwater, OK, 2007.

Dissertation: “Simultaneous Inference in Generalized Linear Model Settings”

Advisor: Dr. Melinda McCann

M.S. in Statistics, Oklahoma State University, Stillwater, OK, 2003.

Thesis Title: “A Comparison of Confidence Intervals for Variance Components”

B.S. in Mathematics, The University of Texas of the Permian Basin, Odessa, TX, 1995.

Professional Experience

Jan 2024-present, *Professor of Public Health*, University of Texas at El Paso, El Paso, TX

Active in research in methods for analyzing non-probability-based survey and electronic health records data, graph theory models, and applied research in health sciences. Principal Investigator to the NSF-funded El Paso Partnership for PBL training, NIH-funded BUILDing SCHOLARS Research Enrichment Core, ONC-funded Get PHIT project, among others.

June 2017-present, *Principal Investigator of the Research Enrichment Core of the NIH funded BUILDing SCHOLARS project*, University of Texas at El Paso, El Paso, TX

Works with UTEP faculty and students to increase participation in quality undergraduate research experiences. Coordinates faculty and student pairing, manages mentoring programs and research enrichment workshops and activities for BUILD faculty and students.

Sep 2022-Jan 2024, *Professor of Mathematical Sciences*, University of Texas at El Paso, El Paso, TX

Active in research in multiple comparisons for categorical data and high-dimensional settings. Active in research on diversity, equity and inclusion in research and data science fields. Principal Investigator to the NSF-funded El Paso partnership for PBL training, NIH-funded BUILDing SCHOLARS Research Enrichment Core, ONC-funded Get PHIT project, among others.

May 2018-Jan 2024, *Director of the Data Analytics Laboratory*, University of Texas at El Paso, El Paso, TX

Works with UTEP faculty to collaborate on research projects and grant proposals with statistical analysis and planning. Lab activities coordinated with the NIH funded Border Biomedical Research Center (BBRC).

Aug 2016-Aug 2022, *Associate Chair of Department of Mathematical Sciences*, University of Texas at El Paso, El Paso, TX

Coordinates teaching and outreach efforts for the Department of Mathematical Sciences at The University of Texas at El Paso. Responsible for overseeing advising and organization of the undergraduate programs in the department and documentation of student activities in the department, university and community.

Aug 2016-Aug 2018, *Provost’s Faculty Fellow-in-Residence for Civic Engagement*, University of Texas at El Paso, El Paso, TX

Works with the Center for Civic Engagement at The University of Texas at El Paso to coordinate efforts to have community and university partnerships in the areas of research, teaching and service. Efforts are focused on building capacity in Engagement
Amy E. Wagler, Ph.D.

Scholarship at the university and encouraging research partnerships between faculty and community agencies.

Aug 2015-Aug 2022, Associate Professor, University of Texas at El Paso, El Paso, TX

Active in research in multiplicity corrections for non-normal distributed endpoints and simultaneous inference in generalized linear model settings. Other research interests include language use and statistics instruction, science and statistics integration, and psychological barriers to teaching in science and statistics. Principal Investigator to the NSF-funded Robert Noyce Scholarships for Teaching Miners and a BBRC Pilot research grant.

Aug 2008-Aug 2015, Assistant Professor, University of Texas at El Paso, El Paso, TX

Duties include teaching graduate level statistics courses and statistical programming laboratories, research in simultaneous inference in generalized linear and generalized linear mixed model settings and research in statistical pedagogy and education. Additional activities include grant writing, management of a grant, guidance of thesis for a statistics masters student, and college/departamental service.

Aug 2007-July 2008, Visiting Assistant Professor, Oklahoma State University, Stillwater, OK

Instructed and developed course pedagogy for Statistical Methods II for Social Scientists, Statistical Methods II for Math and Statistics Majors, Regression Analysis, Time Series Analysis, Statistics for Experimenters I, and Statistics for Experimenters II.

Aug 2000-Jun 2007, Graduate Teaching and Research Assistant/Associate, Oklahoma State University, Stillwater, OK

Instructed and developed course pedagogy for calculus-based Engineering Statistics, design-based Engineering Statistics, and Regression Analysis. Teaching assistant to Dr. Melinda McCann in graduate level course of computational statistics: Taught R and S-plus programming, developed computer simulation examples for class presentation, assigned and graded homework. Worked on a NSF funded research project with Dr. Christopher Bilder where duties included: writing simulation programs for testing multiple-response categorical data models, assisting in developing theoretical basis of models, and assisting in writing grant proposal for external funding.

Professional Activities

Director, Data Analytics Lab and BBRC Biostatistics Unit, 2016-2024

Director, Data Science Doctoral program, 2021-2024

Associate Chair, Department of Mathematical Sciences, UTEP, 2016-2022

Director, Big Data Analytics and Applied Statistics Graduate Certificates, 2016-2022

PI, NSF Robert Noyce Scholarships at UTEP, UTEP, 2019-present

Lead developer of a successful proposal for Data Science Doctorate in Department of Mathematical Sciences at UTEP.

Chair, Graduate Council at UTEP, 2018-2020

PI, Research Enrichment Core of the NIH-funded BUILDing SCHOLARS project, 2014-2019, 2019-2024

Director of Assessment for Department of Mathematical Sciences, UTEP, 2015-present

Chair, Community Engagement Committee, Department of Mathematical Sciences, UTEP, 2015-present

UTEP College of Science Representative to the Provost's Office Community Engagement Council, 2014-present

Amy E. Wagler, Ph.D.

Advocate of Community Engaged Scholars Initiative at UTEP, 2015-present

Past PI, NSF Robert Noyce Scholarships for Teaching Miners, UTEP, 2015-2017

Professional Affiliations

American Statistical Association
Statistical Consulting Section

Awards and Honors

Winner of the 2016 Undergraduate Student Choice for Outstanding Teaching for Department of Mathematical Sciences

Associate Editor (2016-2018) of JSE (Journal of Statistics Education): An American Statistical Association peer-reviewed journal.

Nominated for a 2015 UT System service award

Winner of a 2014 University of Texas System Regents' Outstanding Teaching Award.

Winner of a 2014 Harry J. Meeuwssen Scholarship of Teaching and Learning Award for article: Randomizing Roaches: Exploring the 'Bugs' of Randomization in Experimental Design.

Associate Editor of STEW (STatistics Education Web): An online peer-reviewed journal of the American Statistical Association.

Carl E. Marshal Award for 2007: Outstanding Ph.D. Graduate in Statistics

Vice-Chair for the Oklahoma Chapter of the American Statistical Association, August 2007 - 2008

Mu Sigma Rho, National Statistical Honor Fraternity, 2004

Oklahoma State University Department representative to the American Statistical Association 2002-2007

President of the Statistics Club, Oklahoma State University, 2003-2004

Robert D. Morrison Award for 2003: Outstanding M.S. Graduate in Statistics

Vice-President of the Statistics Club, Oklahoma State University, 2002-2003

Representative for the Graduate and Professional Student Council at Oklahoma State University in 2002

Research Interests

I have a background in statistical methodology and additional specialized training in social science and education research. I regularly mentor undergraduate and graduate students in research projects in the mathematical sciences and lead interdisciplinary research teams involving these students. My mentoring philosophy centers on the belief that open-ended investigation develops a student's appreciation of and capacity for mathematical and statistical reasoning.

Amy E. Wagler, Ph.D.

My research focus is on the development of simultaneous inference methods in high-dimensional settings in generalized linear models (GLM), generalized linear mixed models (GLMM) and latent variable model settings. Current projects include the development of family-wise and false discovery multiplicity adjustments for correlated non-normal endpoints and detection of complex dependencies in high-dimensional spaces. My work in multiplicity controls has application in high-throughput data settings (such as genomics) as well as social sciences (re-specification searches in graph theory and structural equation modeling). Detection of complex dependency structures has application in variable selection and for defining families for multiplicity correction in high-dimensional spaces. I also make use of graph theory modeling in a variety of contexts, including neuroimaging, latent variable modeling, and social network analysis. I am also active in social science and education research with a focus on communication and language in STEM and science and diversity and inclusion in research training. These collaborative experiences provide expertise in order to collaborate in interdisciplinary research teams that mentor student researchers in the educational, behavioral and natural sciences. My applied research interests promote effective communication of statistical concepts and results to the wider community of researchers.

Peer Reviewed Publications (*=graduate student, **=undergraduate student)

1. Hasan, E., Wagler, A., A novel U-GAT deep learning method for Alzheimer's disease image segmentation, revisions submitted to *Healthcare Analytics*
2. Hasan, E., Wagler, A., A new Convolution Neural Network and Graph Convolution Network based architecture for AI applications in Alzheimer's Disease Stages Classification, revisions submitted to *AI in Healthcare*
3. Sanchez, M.J., Mossayebi, A., Sigaroodi, S., Apaflo, J.N., Galvan, M.J., Min, K., Agullo, F.J., Wagler, A., Bajpeyi, S., Effects of Neuromuscular Electrical Stimulation on Glycemic Control: A Systematic Review and Meta-Analysis, *Frontiers in Endocrinology*, Volume 14 - 2023 | doi: 10.3389/fendo.2023.1222532
4. Silva, T., Wagler, A., O'Conner, V. (2023) Quality of Life After Pancreatoduodenectomy: Is the Outcome Predetermined by the Diagnosis? *Journal of Surgical Oncology*, 128 (7): 1080-1086. <http://dx.doi.org/10.1002/jso.27417>.
5. Monarrez, A., Frederick, A., Morales, D., Echegoyen, L. & Wagler, A. (2022) Hispanic/Latinx STEM Majors Applying to Graduate School: The Role of Family, Peers, and Undergraduate Research Programs in Facilitating Community Cultural Wealth, *Journal of Latinos and Education*, DOI: [10.1080/15348431.2022.2122973](https://doi.org/10.1080/15348431.2022.2122973)
6. Wagler, A., Schober, G. S., Chavez-Baray, S. M., Ayala, J., Dessauer, P. R., & Moya, E. M. (2022). Food and Housing Security at a US Hispanic-Serving Institution: An Examination Before and During the COVID-19 Pandemic. *Frontiers in Public Health*, 2321, <https://doi.org/10.3389/fpubh.2022.918955>.
7. Bajpeyi, S., Mossayebi, A., Kreit, H., Cherukuri, S., Mandania, R.A., Concha, J.B., Jung, H., Wagler, A., Gupte, A. & Deoker, A. (2022). Unmanaged Diabetes and Elevated Blood Glucose Are Poor Prognostic Factors in the Severity and Recovery Time in Predominantly Hispanic Hospitalized COVID-19 Patients, *Frontiers in Endocrinology*, 13, <https://www.frontiersin.org/articles/10.3389/fendo.2022.861385>.

8. Emerson, J. D., DeSantis, D. L., Mata-Silva, V., Wagler, A. E., & Johnson, J. D. (2022). Movement, Home Range Size, and Habitat Use of Eastern Black-Tailed Rattlesnakes (*Crotalus ornatus*) in the Northern Chihuahuan Desert. *Herpetologica*, 78(2), 110-118.
9. Ortiz, R**, Ferris, C. Wagler, A. & Cushing. B. (2021). Functional connectivity differences between two culturally distinct prairie vole populations: insights into the prosocial network, *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*
MS Number: BPSC-D-21-00419R1
10. Moya, E. M., Wagler, A., Ayala, J., Crouse, M., Garcia, A., & Schober, G. S. (2021). Analysis of Food and Housing Insecurity among University Students at a Public Hispanic-Serving Institution. *Journal of Hunger & Environmental Nutrition*, 18(1), 21-35.
11. Teshera, M**, Wagler, A., Clark, R., & Greenbaum, E. (2021). Foraging and scavenging behaviour of the prairie rattlesnake (*Crotalus viridis*): no evidence that envenomation cues facilitate kleptoparasitism of struck prey, *Amphibia-Reptilia*, V: pgs.
12. Wagler, A. & McCann, M. (2021). An efficient and flexible multiplicity adjustment for chi-square endpoints. *Mathematical Biosciences and Engineering*, 18(5): 4971-4986. doi: [10.3934/mbe.2021253](https://doi.org/10.3934/mbe.2021253)
13. Zhan M, Anders RL, Zhang M, Lin B, Wagler AE, Alvarez Acosta, L.* Liang, P.* (2020). Characteristics of Health Care Workers with COVID-19 Mainland China, Jan 4-Jun 2, 2020. *Journal of Infectious Disease & Therapy* 8: 437-444.
14. Norris, K. C., McCreath, H. E., Hueffer, K., Aley, S. B., Chavira, G., Christie, C. A., Crespi, CM., Crespo, C., D'Amour, G., Eagan, K., Feig, A., Foroozesh, M., Guerrero, LR., Johanson, K., Kamanger, F., Kingsford, L., LaCourse, W., Marie-Geraldi Macalla, N., Márquez - Magaña, L., Mathur, A., Maton, K., Mehravaran, S., Morales, DX., Nakazono, T., Ofili, E., Okuyemi, K., Ott, L., Parangan-Smith, A., Pfund, C., Purnell, D., Reynolds, A., Rous, PJ., Saetermoe, C., Snyder, K., Vishwantha, JK., Wagler, A., Wallace, SP., Seeman, T., & Echegoyen, L. E. (2020). Baseline Characteristics of the 2015-2019 First Year Student Cohorts of the NIH Building Infrastructure Leading to Diversity (BUILD) Program. *Ethnicity & disease*, 30(4), 681-692.
15. Monárrez, A., Wagler, A., Morales, D., Seira D*, Echegoyen, L. E., & Ramirez, A.* (2020). Mentoring undergraduate students in research: Faculty barriers and benefits. *The Chronicle of Mentoring and Coaching*, 4(1).
16. Monárrez, A., Morales, D., Echegoyen, L., Seira, D.*, & Wagler, A., (2020). The Moderating Effect of Faculty Mentorship on Undergraduate Students' Summer Research Outcomes, *CBE: Life Sciences*, 19(4).
17. Morales DX, Wagler A, Monarrez A. (2020). BUILD Peer Mentor Training Model: Developing a structured peer-to-peer mentoring training for biomedical undergraduate researchers. *Understanding Interventions*, 11(1):The Use and Impact of NIH-fueled Resources for Mentoring—Reports from the Field), 1-16.
18. Field, C. A., Richards, D.* K., Castro, Y., Cabriaes, J. A., Wagler, A., & von Sternberg, K. (2020). The Effects of a Brief Motivational Intervention for Alcohol Use through Stages of Change among Non-Treatment Seeking Injured Patients. *Alcoholism: clinical and experimental research*, 145-155.

19. Esparza, D.**., Wagler, A. E., & Olimpo, J. T. (2020). Characterization of Instructor and Student Behaviors in CURE and Non-CURE Learning Environments: Impacts on Student Motivation, Science Identity Development, and Perceptions of the Laboratory Experience. *CBE—Life Sciences Education*, 19(1), ar10.
20. DeSantis, D.L*., Mata-Silva, V., Johnson, J.D., & Wagler, A.E. (2020). Integrative Framework for Long-Term Activity Monitoring of Small and Secretive Animals: Validation with a Cryptic Pitviper, *Frontiers in Ecology and Evolution, Behavioral and Evolutionary Ecology*, 8 (169): 1-14.
21. Lesser, L.M. & Wagler, A.E. (2019). Mathematics, statistics and (Jewish) culture: Reflections and connections. In T. L. Shockey (Ed.), *Culture that counts: A decade of depth with the Journal of Mathematics and Culture* (pp. 415-436). Galena, Ohio: White Plum Publishing.
22. DeSantis, D.L*., Wagler, A.E., Mata-Silva, V. & Johnson, J. (2019). Effects of human-made resource hotspots on seasonal spatial strategies by a desert pitviper. *Sci Rep* 9, 16690. doi:10.1038/s41598-019-52957-1
23. Garcia, M*., Perales, K. R., Wagler, A. E., Bajpeyi, S., (2019). Effects of Exercise Modes to Improve Insulin Sensitivity in Obese and Patients with Type 2 Diabetes-A Meta-analysis, *DIABETES*, 68.
24. Ricketts, J. W., Ma, L., Wagler, A. E., & Garcia, V. H. (2019). Global travertine deposition modulated by oscillations in climate. *Journal of Quaternary Science*, 34(7), 558–568. DOI: 10.1002/jqs.3144
25. Monarrez, A., Wagler, A., & Wagler, R. (2019). Latinx STEM Teacher Formation through a Cultural Wealth Lens. *Journal of Hispanic Higher Education*, 1-15. <https://doi.org/10.1177/1538192719835685>
26. Tena, A.*, Peru, E.*, Martinetti, L.*, Cano, J.*, Loyola Baltazar, C.*, Wagler, A., Skouta, R., Fenelon, K. (2019). The Long-Term Consequences of Early Postnatal Lead Exposure on Hippocampal Synaptic Activity in Adult Mice, *Brain and behavior*. 9(8), e01307.
27. Wagler, R. & Wagler, A. (2019). Replicating Roaches: Using the Next Generation Science Standards and the Madagascar Hissing Cockroach to Explore Replication in Science, *The Science Teacher*, Status: Accepted for Publication on December 9, 2018, Expected Publication Date: Summer 2019, Monthly Readership: +25,000, Pass-along readership: 75,000
28. Mata-Silva, V., DeSantis, D.L*., Wagler, A.E. & Johnson, J.D. (2018). Spatial Ecology of Rock Rattlesnakes (*Crotalus lepidus*) in Far West Texas, *Herpetologica*, 74(3), 245- 254, <https://doi.org/10.1655/Herpetologica-D-16-00030.1>
29. Monárrez, A.*, Galvan, L.*, Wagler, A. & Lesser, L. (2018). Range of Meanings: A Sequential Mixed Methods Study of How English Language Learners Encounter Assessment Items on Descriptive Statistics, *Journal of Statistics Education*, 26(3): 162-173.
30. Wagler, A. & Lesser, L. (2018). Evaluation of Theoretical and Empirical Characteristics of the Communication, Language And Statistics Survey (CLASS), *Statistics Education Research Journal*, 17(1): 141-164. Acceptance Rate: < 10%.
31. Wagler, R., & Wagler, A. (2018). Fear and disgust of spiders: Factors that limit university preservice middle school science teachers. *Insects*, 9(1), 12 (p. 1-11). doi:10.3390/insects9010012.

32. Mocko, M., Lesser, L.M., Wagler, A.E. & Francis, W.S. (2018). Assessing Effectiveness of Mnemonics for Tertiary Students in a Hybrid Introductory Statistics Course, *Journal of Statistics Education*, 25:1, 2-11.
33. Wagler, A., Field, J. & Martinez, K.* (2017). Community-based research pedagogy for ecological change. In: High Impact Practices in Higher Education published by Kendall-Hunt.
34. Wagler, A., Field, C. & Baray, E. (2017). Seeing Community Needs through a Statistical Lens: Undergraduate and Graduate Level Consulting with Community Organizations in the El Paso Border Region. In: Community Engagement Best Practices Across the Disciplines: Applying Course Content to Community Needs published by Rowmann & Littlefield.
35. Leung, M.-Y., Knapka, J.A., Wagler, A.E., Rodriguez, G., Kirken, R.A. (2016). OncoMiner: A pipeline for bioinformatics analysis of exonic sequence variants in cancer. In: Big Data Analytics in Genomics, Wong, K.C. (Ed.), pp. 373-396, Springer, New York. Available at link.springer.com/chapter/10.1007/978-3-319-41279-5_12.
36. Lesser, L. M. & Wagler, A. E. (2016). Mathematics, statistics, and (Jewish) culture: Reflections on connections, *Journal of Mathematics and Culture* 10(2): 127-156.
37. Lesser, L., Wagler, A. & Salazar, B*. (2016). Flipping Between Languages? An Exploratory Analysis of the Usage by Spanish-Speaking English Language Learner Tertiary Students of a Bilingual Probability Applet, *Statistics Education Research Journal*, 15(2): 145-168. Manuscript Acceptance Rate: < 10%.
38. Lesser, L. & Wagler, A. (2016). Tools for Assessing Readability of Statistics Teaching Materials. *Journal of Computers in Mathematics and Science Teaching*, 35(2), 153-171. Chesapeake, VA: Association for the Advancement of Computing in Education (AACE).
39. Wagler, A. & Wagler, R. (2016). Beliefs about Future Curriculum: How Avoidance Emotions Affect Curriculum Choice in Science, *Society & Animals: Journal of Human-Animal Studies*, 24(6), 596-617.
40. Wagler, R. & Wagler, A. (2016). Psychological Tendencies of Preservice Teachers towards a Diverse Group of Arachnids, *The International Journal of Environmental and Science Education*, 12(2), 213-231. <http://www.ijese.net/makale/1792>
41. Wagler, A. and Wagler, R. (2015). Preservice Middle School Science Teacher's Attitudes and Beliefs toward Biodiverse Animals, *International Journal of Environmental and Science Education*, 10 (2), 271-286. <http://iserjournals.com/journals/ijese/articles/10.12973/ijese.2015.245a>
42. Wagler, A., Lesser, L., Gonzalez, A.** and Leal, L.* (2015). Assessing the Lexico-Grammatical Characteristics of a Corpus of College-Level Statistics Textbooks: Implications for Instruction and Practice, *The Journal of Technical Writing and Communication*, 45(1), 31-56.
43. Wagler, A. and McCann, M. (2015). Improved Simultaneous Estimation for Linear Combinations of Parameters in Generalized Linear Model Settings. *Journal of Statistical Computation and Simulation*, 85(12), pp. 2514- 2532. Manuscript acceptance rate: 20%.
44. Lesser, L., Wagler, A., and Abormegah, P.* (2014). Finding a Happy Median: Another Balance Representation for Measures of Center. *Journal of Statistics Education*, 22(3), 1-28.

45. Wagler, A. (2014). Confidence intervals for Assessing Heterogeneity in Generalized Linear Mixed Models, *Journal of Behavioral and Educational Statistics*, 39(3), 167-179. Manuscript acceptance rate: 11%-20%.
46. Wagler, A., & Wagler, R. (2014). The Dark Side of the Tube: A Science and Statistics Integration Activity Using Madagascar Hissing Cockroaches. *The Science Teacher*, 81(5), 25-30. Manuscript acceptance rate: 32%. Monthly Readership: +25,000, Pass-along readership: 75,000, Special Issue: Math-Science Connections
47. Wagler, A., & Wagler, R. (2014). Arthropods and the Current Great Mass Extinction: Effective Themes to Decrease Arthropod Fear and Disgust and Increase Positive Environmental Beliefs in Children? *International Journal of Environmental and Science Education*, 9 (2), 197-214.
48. Wagler, A., & Wagler, R. (2014). Randomizing roaches: Exploring the “bugs” of randomization in experimental design. *Teaching Statistics*, 36 (1), 13-20.
<http://onlinelibrary.wiley.com/doi/10.1111/test.12029/abstract>
49. Lesser, L., Wagler, A., Esquinca, A. and Valenzuela, M.G.* (2013). Survey of Native English Speakers and Spanish-Speaking English Language Learners in Tertiary Introductory Statistics, *Statistics Education Research Journal*, 12(2), 6-36. Manuscript acceptance rate < 10%
50. Wagler, A., & Wagler, R. (2013). Addressing the Lack of Measurement Invariance for the Measure of Acceptance of the Theory of Evolution. *International Journal of Science Education*, 35 (13), 2278–2298.
51. Wagler, A., & Wagler, R. (2013). Investigating the latent structure of the teacher efficacy scale. *Teacher Education and Practice*, 26 (3), 448-461. Manuscript acceptance rate: 12%
52. Wagler, R., & Wagler, A. (2013). Knowledge of arthropod carnivory and herbivory: Factors influencing preservice elementary teacher’s attitudes and beliefs toward arthropods. *The International Journal of Environmental and Science Education*, 8(2), 303-318. <http://www.ijese.com/ijese.2013.209a.pdf>
53. Wagler, A. and McCann, M. (2012). Bias-reduced simultaneous confidence bands on generalized linear models with restricted predictor variables, *Journal of Statistical Theory and Practice*, 6 (2), 286-302. Manuscript acceptance rate: 20%.
54. Wagler, R., & Wagler, A. (2012). External insect morphology: A negative factor in attitudes toward insects and likelihood of incorporation in future science education settings. *The International Journal of Environmental and Science Education*, 7 (2), 313-325. http://www.ijese.com/IJESE_v7n2_Wagler-and-Wagler.pdf
55. Wagler, R., & Wagler, A. (2011). Arthropods: Attitude and incorporation in preservice elementary teachers. *The International Journal of Environmental and Science Education*, 6 (3), 229-250.
http://www.ijese.com/IJESE_v6n3_Ron-Wagler-and-Amy-Wagler.pdf
56. Wagler, R., & Wagler, A. (2011). Using science teaching case narratives to assess the effectiveness of a scientific inquiry elementary science methods course with Hispanic preservice elementary teachers. *The Texas Science Teacher*, 40 (2), 32-49. <http://www.statweb.org/texas-science-teacher/nov-11>

57. Wagler, A.E. (2010). Bias Reduced Logistic Dose Response Models. *Journal of Biopharmaceutical Statistics*, 21: 1–18.
58. Lewis, A. (1995). "Computer Enhanced Mathematics Education: Using Maple and Derive in the Classroom," *Journal of Computing in Small Colleges*, 10(5), 180-184.

Manuscripts under Review

1. Akosa, J.**, McCann, M., and Wagler, A. On improving BH procedures for high dimensional dependent data, in review at *Journal of Statistical Computation and Simulation*.
2. Wagler, A., Seira, D., Ramirez, A., Morales, D., and Monarez, A. Factors and Mediators of Undergraduate Research Mentoring Numbers at a Hispanic Serving Institution, in review at *PLOS ONE*.
3. Hasan, E., Wagler, A.; EfficientNet-B7 improvement for Alzheimer disease cell types image classification, in review at *Machine Learning with Applications*
4. Wagler, A., Morales, D., Monarrez, A., Echegoyen, L. , BUILDing SCHOLARS: A Program Exemplar at a Hispanic Serving Institution to Develop Biomedical Researchers in review at *PLOS ONE*.
5. Echegoyen, L., Aguilera, R., Adeyina, T., Reyes, C., Corral, G., & Wagler, A.E., Retention and Graduation of STEM Students at a Majority Hispanic Serving Institution: Effect of Participation in a Freshman Course-based Undergraduate Research Experiences Sequence, submitted to *Journal of Coaching and Mentoring*, special invited issue on research mentoring.

Manuscripts in Progress

1. Wagler, A. & McCann, M. FDR Control for Dependent Chi-Square Tests, in preparation.
2. Duval, A. & Wagler, A. Matroid Representations of Data Structures for Describing Complex Dependencies, in preparation.
3. Wagler, A. & Koomson, D. Sample size estimation for dependent test endpoints in genomics settings, in preparation for Bioinformatics.
4. Hornock, D.O.a, Bohan, M.D.b, Liang M.S.c, Vreeland, M.D.b, Wagler, Ph.D.c, and Nelson, D.O.a, Benefits of the Volume-Outcome Association in Pancreatic Cancer Surgery Depend on Patient Level Risk, in preparation for AHPBA Journal (Americas Hepato-Pancreato-Biliary Association)
5. Reyes, C & Wagler, A. Structural evaluation of changes in biomedical researcher identity and self-efficacy indicators over course a research training at a research intensive HSI, in preparation for submission to PLOS One.

Peer Reviewed Conference Proceedings

1. Wagler, R. & Wagler, A. (2019). Future Middle School Science Teacher's Emotions and Beliefs toward Cockroaches, The 2019 Invertebrates in Education and Conservation Conference (IECC), July 30-August 3, 2019; Tucson, Arizona.
2. Wagler, A. (2016). Fruits of Experiential Learning: Using Games and Consulting to Learn Experimental Design, The 2016 International Sun Conference on Teaching and Learning, March 17, 2016; El Paso, Texas.
3. Mielke, C., Wagler, A. & Lesser, L. (2016). Characteristics of Language and Content Interactions in a Statistics Classroom, The 2016 International Sun Conference on Teaching and Learning, March 17, 2016; El Paso, Texas.
4. Wagler, R. & Wagler, A. (2016). Attitudes and Beliefs of Preservice Science Teachers toward Biologically Diverse Animals, The 2016 International Sun Conference on Teaching and Learning, March 17, 2016; El Paso, Texas.
5. Wagler, R., & Wagler, A. (2014). Preservice Middle School Science Teacher's Attitudes and Beliefs toward Biologically Diverse Animals, The 2014 Invertebrates in Education and Conservation Conference (IECC), July 22-26, 2014; Rio Rico, Arizona.
6. Wagler, A. & Lesser, L. (2014). Assessing dimensionality of the Communication, Language and Statistics Survey: a multi-group analysis with introductory statistics students near the US-Mexico border. *Proceedings of the International Conference on Teaching Statistics (ICOTS)*, July 2014; Flagstaff, Arizona.
7. Wagler, R., & Wagler, A. (2013). The influence of living *Poecilotheria* spider activities on the beliefs and emotions of elementary school students. 2013 Invertebrates in Education and Conservation Conference (IECC), July 30-August 4, 2013; Tucson, Arizona.
8. Lim, K. H., & Wagler, A. (2012). Assessing impulsive-analytic disposition: The Likelihood-to-Act survey and other instruments. In T. Y. Tso (Ed.), *Proceedings of the Thirty-sixth Conference of the International Group for the Psychology of Mathematics Education* (Vol. 3, pp. 131-138). Taipei, Taiwan.
http://works.bepress.com/cgi/viewcontent.cgi?article=1035&context=kien_lim
9. Lim, K. H., & Wagler, A. (2012). Impulsive-analytic disposition in mathematical problem solving: A survey and a mathematics test. In J. Dindyal et al. (Eds.), *Proceedings of the Thirty-fifth Annual Conference of the Mathematics Education Research Group of Australasia* (p. 457-464). Singapore: National Institute of Education.
http://works.bepress.com/cgi/viewcontent.cgi?article=1033&context=kien_lim
10. Wagler, A.E. & Lesser, L. (2011). Teaching statistics to culturally and linguistically diverse students. *Proceedings of the 2011 Joint Statistical Meetings*, 821-830.
11. Amato, C., Krantz, S., Tabor, C., Castillo, J.**, Ogrey, A.**, Veliz, A.**, Duval, A., Lim, K., Wagler, A. and Freudenthal, E. (2011). iMPaCT-STEM: games & activities that motivate exploration of foundational algebra concepts—while inadvertently scaffolding computational thinking and engineered design, *Proceedings of the American Society for Engineering Education*.

Professional Reports

Amy E. Wagler, Ph.D.

1. Chakraborty, J., Wagler, A., Aun, J., Liang, P., & Schober, G. (2021). *Emergency Food Assistance in El Paso County during the COVID-19 Pandemic*, Study conducted in collaboration and through support of a grant from the County of El Paso (via United States Department of the Treasury). The results of the study were presented at the El Paso County Commissioners Court meeting on April 26, 2021.

Non-Peer Review Publications

1. Interview in Zippia: The Career Experts, published 1/14/2021, [Job Market Trends For Recent Grads](#).
2. Op-ed in El Paso Times, published 6/1/2019, <https://www.elpasotimes.com/story/opinion/2019/06/01/opinion-utep-plus-mathematics-has-long-history-equaling-success/1309812001/>
3. 100 years of Women at UTEP, wrote section on Harriet May, B.S. in Mathematics, UTEP, book available at <http://100yearsofwomenatutep.com/>.
4. UTEP College of Education and Department of Teacher Education: STEM Education Division Facebook page. The story covered Dr. Wagler's invited presentation at the 2016 Insights Science Center STEM Fest, El Paso, Texas, April 3, 2016. <https://www.facebook.com/UTEP-College-of-Education-142554045770190/>
5. KFOX 14. The story covered Dr. Wagler's invited presentation at the 2016 Insights Science Center STEM Fest, El Paso, Texas, April 3, 2016.
6. El Diario Newspaper. The story covered Dr. Wagler's invited presentation at the 2016 Insights Science Center STEM Fest, El Paso, Texas, April 3, 2016.
7. UTEP Website. The story covered Dr. Wagler's invited presentation at the 2016 Insights Science Center STEM Fest, El Paso, Texas, April 3, 2016.
8. Utepnews. The story covered Dr. Wagler's invited presentation at the 2016 Insights Science Center STEM Fest, El Paso, Texas, April 3, 2016. <http://news.utep.edu/utep-students-schedule-science-math-party-at-insights-museum/>
9. Perez, D. (Wagler, A. & Wagler, R.) (2010). Teachers learn from invertebrates that invaded classroom, published online June 14, 2010, contributing author. Freely available at <http://admin.utep.edu/Default.aspx?tabid=65540>
10. Perez, D. (Wagler, A. & Wagler, R.) (2010). Cockroaches Star at UTEP Teacher Workshop, published online June 9, 2010, contributing author. Freely available at <http://admin.utep.edu/Default.aspx?tabid=65504>
11. Wagler, A. "Simultaneous Inference in Generalized Linear Model Settings", Ph.D. Dissertation, Oklahoma State University.
12. Wagler, A. "A Comparison of Confidence Intervals for Variance Components", Master's Report, Oklahoma State University.

Grant Proposals Funded, Total Awarded: ~ \$11.3 million as PI and ~ \$29.1 million as co-PI

Amy E. Wagler, Ph.D.

NSF, **co-PI**, HSI-CERS NODE: Network Opportunities for Developing Equity, \$6,999,932, (TBD)

Pacific Northwest National Labs (FED). **PI (UTEP) with Chiang - PI(PNNL)**. Title: (Differentially Private) Synthetic Data Generation, SDG, \$101, 917, (10/31/2022-10/30/2023).

Department of Education (FED). **co-PI**. Title: Project DATx: Data Analytics for Texas: \$16,667, (7/01/2022-10/31/2022).

National Institutes of Health (NIH) - Institute of Diabetes and Digestive and Kidney Diseases. **co-PI**, Title: Glycemic Control with Electrical Stimulation in Mexican-Americans: \$306,000, (5/1/2022-4/30/2024).

ONC (FED) in collaboration with UT Health System. **PI**, Title: Get Public Health Informatics Training (PHIT), Amount: \$170,000, (10/1/2021-9/30/2026).

Congressionally Directed Medical Research Program (FED), **PI**, Title: Biostatistics Support for Patient Center Outcome Research Center, Amount: \$116,360, (1/1/2021-12/31/2022).

National Institutes of Health (NIH) – National Institute of Minority Health, **co-PI**, Title: Border Biomedical Research Center – Research Infrastructure Core, Amount: \$1,461,063, (4/19-2/24).

UTEP CHS Pilot Grant, **co-PI**, Title: Neuromuscular Electrical Stimulation (E-Stim) – A Novel Strategy to Improve Insulin Sensitivity, \$7500, (7/19-6/20).

NSF Noyce, **PI**, Title: The El Paso Partnership for the Preparation of STEM Teachers to Implement Project-based Learning, Amount: \$1,199,693, (7/19-6/24).

National Institute of Health (NIH) – NAT INST OF GEN MED SCI (FED)., **PI**, Title: BUILDing SCHOLARS *Building Infrastructure Leading to Diversity: Southwest Consortium of Health-Oriented Education Leaders and Research Scholars (Research Enrichment Core)*, Amount: \$3,405,720, UTEP PI with PIs L. Echegoyen, M. Cox, O. Morera, A. Wagler, T. Boland, D. Morales, (7/19-6/24).

National Institute of Health (NIH) – NAT INST OF GEN MED SCI (FED), **co-PI**, Title: BUILDing SCHOLARS *Building Infrastructure Leading to Diversity: Southwest Consortium of Health-Oriented Education Leaders and Research Scholars (Institutional Development Core)*, Amount: \$5,331,589, UTEP co-PI with PIs L. Echegoyen, M. Cox, O. Morera, A. Wagler, T. Boland, D. Morales, (7/19-6/24).

National Institute of Health (NIH) – NAT INST OF GEN MED SCI (FED), **co-PI**, Title: BUILDing SCHOLARS *Building Infrastructure Leading to Diversity: Southwest Consortium of Health-Oriented Education Leaders and Research Scholars (Training Core)*, Amount: \$4,126,190, UTEP co-PI with PIs L. Echegoyen, M. Cox, O. Morera, A. Wagler, T. Boland, D. Morales, (7/19-6/24).

National Institute of Health (NIH) – NAT INST OF GEN MED SCI (FED), **co-PI**, Title: BUILDing SCHOLARS *Building Infrastructure Leading to Diversity: Southwest Consortium of Health-Oriented Education Leaders and Research Scholars (Administration Core)*, Amount: \$6,905,844, UTEP co-PI with PIs L. Echegoyen, M. Cox, O. Morera, A. Wagler, T. Boland, D. Morales, (7/19-6/24).

National Institute of Health (NIH) – NAT INST OF GEN MED SCI (FED), **PI**, Title: BUILDing SCHOLARS *Building Infrastructure Leading to Diversity: Southwest Consortium of Health-Oriented Education Leaders and*

Amy E. Wagler, Ph.D.

Research Scholars (Research Enrichment Core), Amount: \$5,202,703, UTEP PI with PIs L. Echegoyen, M. Cox, O. Morera, A. Wagler, T. Boland, D. Morales, (7/14-6/19).

National Institute of Health (NIH) – NAT INST OF GEN MED SCI (FED), **co-PI**, Title: BUILDing SCHOLARS *Building Infrastructure Leading to Diversity: Southwest Consortium of Health-Oriented Education Leaders and Research Scholars(Institutional Development Core)*, Amount: \$1,669,293, UTEP co-PI with PIs L. Echegoyen, M. Cox, O. Morera, A. Wagler, T. Boland, D. Morales, (7/14-6/19).

National Institute of Health (NIH) – NAT INST OF GEN MED SCI (FED), **co-PI**, Title: BUILDing SCHOLARS *Building Infrastructure Leading to Diversity: Southwest Consortium of Health-Oriented Education Leaders and Research Scholars(Student Development Core)*, Amount: \$2,153,216, UTEP co-PI with PIs L. Echegoyen, M. Cox, O. Morera, A. Wagler, T. Boland, D. Morales, (7/14-6/19).

NIH: BBRC Pilot Research Grant, **PI**, Title: Next Generation DNA Sequence Analysis Using a Novel Multiple Comparison Method. Proposal Submitted January 29, 2015. Amount: \$25,000.

NIH: SCORE Grant, PI: Hector Olveras, **co-PI**, Title: Geographic and Multilevel Influences of Neighborhood and School Environments on the Development of Obesity among Schoolchildren in a Border Community. Proposal Submitted May 2010. Amount: \$100,000.

THECB, PI: Sunay Pasole, **co-PI**, Title: PK-12 Data Modules Development. Amount: \$168,000.

Gates Foundation Grant, PI: Eric Freudenthal, **co-PI**, Title: Dissemination of IMPACT-math curriculum. Proposal Submitted May 2011, Amount: \$27,000.

National Science Foundation Noyce Scholarship Program, **PI**, Title: Robert Noyce Scholarships for Teaching Miners, Amount: \$1,181,576, 7/10-6/14.

<http://www.math.utep.edu/news/2010-11/NoyceGrant.php>

UTEP URI Grant, **co-PI**, Title: Assessing the Teacher Efficacy Scale: Problems of Model Misspecification and Methodological Concerns. Proposal Submitted November 2008. Amount: \$3,800.

Grant Proposals Submitted:

NIH, co-PI, R01: Research on Interventions that Promote the Careers of Individuals in the Biomedical Research Enterprise: Health Informatics Training for High Impact (HIT HI), \$1,693,980, in review.

NSF, PI, NRT-HDR: Partnership for Scholar Success: Interdisciplinary Data Science Graduate Training For A 21st Century Demographic (pass21), \$2,054,456, not funded.

NIH - NATL INST ON MINORITY HEALTH & H D (FED): THE DIABETES GARAGE: A tailored Diabetes Self-Management and Education/Support (DSME/S) men's program, \$2,506,480.00, not funded.

NSF, PI, NRT-HDR: Partnership for Scholar Success: Interdisciplinary Data Science Graduate Training For A 21st Century Demographic (pass21), \$2,902,108, not funded.

NSF, co-PI, Collaborative RTG: Applied Mathematics, Computing, and Statistics Research, \$656,160 , not funded..

NSF, co-PI, MRI: Acquisition of 7 Tesla Magnetic Resonance Imaging System, Amount: \$1,209,138, not funded..

NSF, co-PI, Translating Data-Driven Decision Making into Curriculum Development, Amount: \$445,156, not funded..

NSF RET, co-PI: WESCompuT-Water Engineering and Science and Computational, Amount: \$600,000, not funded..

NSF, co-PI, Enhancing Student Learning to Transform Healthcare Engineering Education, Amount: \$299,999, not funded..

NSF, co-PI, MRI-Development: Development of an Intelligent Knowledge-based Condition-Monitoring System, \$1,546,467, not funded.

NSF AISL, PI, Title: Partnerships for Advancing Informal STEM Education, Amount: \$1,996,842, not funded.

NSF, co-PI, Title: Efficient and Reliable Diagnosis and Prognosis of (Mild) Traumatic Brain Injuries, \$1,200,000, not funded.

NIH R21, co-PI, Title: Implication of added sugar in combination with high saturated and Linoleic fatty acid on insulin resistance in a Mexican American Population, \$604,000, not funded.

Collaborator, American Diabetes Association, Title: Role of quality of dietary fat and carbohydrates on insulin resistance, \$773,118, not funded.

Sid Richardson, PI, Title: TOP-STEM Network for Supporting Novice STEM Teachers, Amount: \$160,000, advanced through first round and not funded.

NIH-MRI, co-PI, Title: MRI Consortium: Development of a Synergistic Multi-Axis Robotic System (SMAR System) for Emulation of Human Dynamic Behavior in Space, Amount: \$ 1,058,747, not funded.

NSF Statistics, PI, Title: False Discovery Rate Corrections for Dependent Chi-square Endpoints, Amount: \$234,000, not funded.

NSF Noyce Capacity Building Track 3, PI, Title: Developing TOP-STEM Teaching Networks in High-Needs School Districts, submitted September 2016, Amount: \$74,600, not funded.

Honda, PI, Title: MaST+3 Educator Academy, LOI submitted May 2016, Amount: \$84,000, not funded.

Boeing, PI, Title: MaST+3 Educator Academy, LOI submitted April 2016, Amount: \$84,000, not funded.

RGK Foundation, PI, Title: MaST+3 Educator Academy, LOI submitted February 2016, Amount: \$95,000, not funded.

NIH - NATL INST OF NEUROLOGICAL DISO, co-PI, Title: Development of secondary adaptive sensory feedback center for Charcot foot peripheral neuropathy, Amount: \$299,930, not funded.

NIH-MRI, co-PI, Title: MRI Consortium: Development of a Synergistic Multi-Axis Robotic System (SMAR

Amy E. Wagler, Ph.D.

System) for Emulation of Human Dynamic Behavior in Space, Amount: \$ 1,058,747, not funded.

U.T. Brain Program, co-PI, Title: Development of secondary proprioceptive sensory feedback center for Charcot foot peripheral neuropathy, Full proposal submitted March 2015, Amount: \$100,000, not funded.

NSF: MMS, PI, Title: Multiplicity Adjustments for Correlated Chi-square Endpoints, Full proposal submitted January 2015, Amount: \$204,000, not funded.

UTEP IDR program, PI, Title: Next Generation DNA Sequence Analysis Using a Novel Multiple Comparison Method for Dependent Chi-square Endpoints, Full proposal submitted December 2014, Amount: \$20,000, not funded.

UTEP BBRC pilot project, PI, Title: Next Generation DNA Sequence Analysis Using a Novel Multiple Comparison Method for Dependent Chi-square Endpoints, Full proposal submitted December 2014, Amount: \$25,000, awarded.

NIH U54 Research Center, Role: Biostatistician, Title: Allostatic Load in a Clinical Sample of Hispanics with Alcohol Use Disorders, Full proposal submitted December 2014, not funded.

UTEP CoS pilot program, PI, Title: Next Generation DNA Sequence Analysis Using a Novel Multiple Comparison Method for Dependent Chi-square Endpoints, Full proposal submitted November 2014, Amount: \$20,000, not funded.

NIH: SCORE, PI, Title: Multiplicity Adjustments for Chi-square Distributed Endpoints, Pre-proposal submitted internally March 2014, Amount: \$200,000, not funded.

NSF: MMS, PI, Title: Multiplicity Adjustments for Correlated Chi-square Endpoints, Full proposal submitted January 2014, Amount: \$204,000, not funded.

National Science Foundation Informal Education Grant, Co-PI, Title: STEM Community Mentoring and Cyberlearning for At-Risk Youth, Submitted January 14, 2014, Amount: \$2,861,818.00, not funded..

UTEP CoS pilot program, PI, Title: Multiplicity Adjustments for Chi-square Distributed Endpoints, Full proposal submitted January 2014, Amount: \$4,000, not funded.

NSF: DRK-12, Co-PI, Title: Creating a Model of STEM Cyberlearning and In-Person Comunidad for At-Risk Youth, Full proposal submitted January 2013, not funded.

NSF: DRK-12, Co-PI, Title: BUGS (teaching Biodiversity to UnderGraduates through Statistics), Full proposal submitted November 2012, Amount: \$ 327,643, not funded.

NSF: DRK-12, Co-PI, Title: iMPaCT-Math: improving engagement with algebra through programming, Full proposal submitted January 2012, Amount: \$450,000, not funded.

NSF: ce21, Co-PI, Title: iMPaCT-Math: improving engagement with algebra through programming, Full proposal submitted April 2011, Amount: \$991,758, not funded.

Norman Hackerman Advanced Research Program, Texas Higher Education Coordinating Board, PI, Title: Inference on cluster-based random effects in generalized linear mixed models

Amy E. Wagler, Ph.D.

Pre-proposal submitted September 15, 2009. Full Proposal submitted January 15, 2009, Amount: \$49,958, Advanced through first round and then not funded.

National Science Foundation Discovery Research K-12 Grant, Co-PI, Title: Enhancing global change science education through the development of a hybrid learning, collaborating and mentoring environment, Submitted January 8, 2010, Amount: \$2,264,759, not funded.

National Science Foundation Discovery Research K-12 Grant, Co-PI, Title: Enhancing global change science education through the development of novel technologies and teaching capacities, Submitted January 8, 2009, Amount: \$2,000,000, not funded.

Invited Presentations

1. Wagler, A. Invited moderator for series of online webinars for Academic Data Science Alliance, October 2021-February 2022.
2. Wagler, A. DEI in Data Science at UTEP, May 2021, Academic Data Science Alliance online presentation.
3. Wagler, A. Study Designs for Biomedical Research Projects, Presenter in Applied Research Training Course (ARTC) for the residency program at the William Beaumont Medical Center on August 18, 2021.
4. Sanchez, M., Mossayebi, A., Sigaroodi, S., Galvan, M., Kisuk, M., Agullo, F., Wagler, A., Bajpeyi, S. Effects of Neuromuscular Electrical Stimulation on Insulin Sensitivity and Glycemic Control: A Systematic Review and Meta-Analysis. *American Physiological Society Intersociety Meeting: Integrative Physiology of Exercise, November 9-13, 2020, Virtual.*
5. Wagler, A. Work Life Balance, UTEP New Faculty Orientation, August 2019.
6. Sara Grineski¹, Danielle Morales¹, Guadalupe Corral¹, Steve Aley¹, Thomas Boland¹, Timothy Collins¹, Marc Cox¹, Lourdes Echegoyen¹, Osvaldo Morera¹, and Amy Wagler¹ · Finding the best match: Managing a multi-institutional mentoring program using an online mentoring interface, DPC Consortium, Bethesda, MD, October 2017.
7. Wagler, A. “Qualitative analysis for making decisions in higher education”, invited workshop presenter at UTEP Staff Development Conference, May 2017.
8. Wagler, A. “What is a Leader?”, invited speaker at the 21st Century Scholar Conference, February 5, 2017.
9. Wagler, A. “Statistical Misconceptions”, miniCAST invited lecture, March 29, 2017.
10. Wagler, A. “An Ecological Fallacy”, IGNITE Session of the miniCAST Conference, October 21, 2016, El Paso, TX.
11. Wagler, A., Gonzalez, A., Rodriguez, G., Field, C., Leung, L. & Olvera, H. “Perspectives on Community-Engaged Research”, BBRC Research Symposium, September 29, 2015: El Paso, TX.

12. Wagler, A. "BIAS: Big Idea Activities in Statistics", The 2015 Teachers Teaching Teachers Conference, September 19, 2015: EPPC Administration Building, El Paso, TX.
13. Wagler, R., & Wagler, A. "Invited Guest Speaker, Evaluating the Effect of an Arthropod Education Intervention with Preservice Middle School Science Teachers," 2015 Entomological Society of America Conference, June 2, 2015; Manhattan, Kansas.
14. Wagler, R., & Wagler, A. Invited Roundtable Speaker, "Roundtable Presenter: Entomology Literacy-Research in the Human Dimensions of Entomology Education, Extension, and Citizen Science," 2015 Entomological Society of America Conference, June 2, 2015; Manhattan, Kansas.
15. Lesser, L. & Wagler, A. "Connections with Language to Help Statistics Students Make Content Connections" Breakout Session, US Conference on Teaching Statistics, May 28, 2015: State College, PA.
16. Wagler, A. "Development of a scale for measuring attitude towards evolution", Panel Discussion, Evolution 2014, July 2014; Raleigh-Durham, NC.
17. Wagler, A., & Wagler, R. "Science and statistics", Workshop, The El Paso Tech20 Water Resources Learning Center, Elementary Students Summer Camp, July, 2013; El Paso, Texas.
18. Wagler, A., & Wagler, R. "Science and statistics", Workshop, The El Paso Tech20 Water Resources Learning Center, Elementary Students Summer Camp, June, 2013; El Paso, Texas.
19. Wagler, A. and Lesser, L. "Changing Classroom Dynamics: Practical Techniques to Deepen the Discourse" United States Conference on Teaching Statistics, May 17, 2013: Cary, NC.
20. Wagler, A. and Lesser, L. English Language Learners in the Statistics Classroom: Research, Resources, and Recommendations, Joint Statistical Meetings, August 2012: San Diego, CA.

Presentations

Mossayebi, A., Kreit, H., Cherukuri, S., Mandania, R.A., Concha, J.B., Jung, H., Wagler, A., Gupte, A., Deoker, A., Bajpeyi, S. Unmanaged diabetes as a poor prognostic factor in the severity of infection and recovery time of hospitalized COVID-19 patients. American Diabetes Association 81st Scientific Sessions, Virtual, June 25-29, 2021 (Submitted)

Kreit, H., Cherukuri, S., Mandania, R.A., Deoker, A., Gupte, A., Mossayebi, A., Concha, J.B., Jung, H., Wagler, A., , Bajpeyi, S. C - Reactive Protein Predicts COVID-19 Infection Severity and Length of Hospitalization. American Diabetes Association 81st Scientific Sessions, Virtual, June 25-29, 2021 (Submitted)

Wagler, A. (2020). *Building Bridges to Data Science*, Academic Data Science Alliance 2020 Leadership Summit, October 12, 2020.

Monarrez, A., Seira, D., Morales, D., & Wagler, A. (March 2020). Effects of faculty mentorship quality on undergraduate students' summer research. Accepted to the Understanding Interventions conference. San Antonio, TX. (Conference cancelled).

Monarrez, A., Wagler, A., Morales, D., & Echegoyen, L. E. (2020). *Mentoring undergraduate students in* Amy E. Wagler, Ph.D.

research: Faculty barriers and benefits. In 13th Annual Mentoring Conference Proceedings: High Quality Connections: Developmental Networks-Science & Practice (pp. xxx-xxx). Albuquerque, NM: University of New Mexico.

Manal, A., & Wagler, A., (2020). Text mining of research motivation of undergraduate students using a self-determination theory framework, Poster presented at the Society for Personality and Social Psychology 2020 convention

Field, C., Richards, DK., Castro, Y., Cabriaes, CJ., & Wagler, A. Does alcohol use severity moderate the indirect effect of a brief motivational intervention on alcohol outcomes through stages of change? ALCOHOLISM-CLINICAL AND EXPERIMENTAL RESEARCH Conference.

Morales, D., Corral, G., Aley, S., Boland, T., Cohn, L., Cox, M., Echegoyen, L., Morera, O., & Wagler, A. BUILDing SCHOLARS e-Conference on Best Practices and Lessons Learned: Supporting applicants of RFA-RM-19-003, held at UTEP on August 15-16 and streamed online at <https://buildingscholars.utep.edu/web/econference>.

Ricketts, J.W., Ma, L., Wagler, A.E., & Garcia*, V.H., "Global travertine deposition modulated by oscillations in climate", Geological Society of America, 2019, doi: 10.1130/abs/2019AM-336795.

Duval, A. & Wagler, A. "Matroids and Statistical Dependency", Joint Mathematics Meetings, January 12th, 2018: San Diego, CA.

Duval, A. & Wagler, A. "Matroids and Statistical Dependency", AMS Central Sectional Meeting, September 9th, 2017: Denton, TX.

Gonzalez, A., Wagler, A., Lusk, M. & Lujan, J. "Co-Constructing Community Engaged Scholarship Knowledge within Institutions", Engagement Scholarship Consortium, September 26, 2017: Birmingham, AL.

Wagler, A. & McCann, M. "FDR Control for Dependent Chi-Square Goodness of Fit Tests", Multiple Comparisons Procedures, June 2017: Riverside, CA.

Wagler, A. "Multiplicity Adjustments in Linear Mixed Model Analysis", LAHDR Group Meeting, August 28, 2015: El Paso, TX.

Wagler, R., & Wagler, A. "Tarantulas in the Classroom: Effectively Integrating Tarantulas into your Science Curriculum," The 2015 Invertebrates in Education and Conservation Conference (IECC), July 21-25, 2015; Rio Rico, Arizona.

Lesser, L. & Wagler, A. "Connections with Language to Help Statistics Students Make Content Connections" Breakout Session, US Conference on Teaching Statistics, May 28, 2015: State College, PA.

Lesser, L. & Wagler, A. "The Median has a Balance Representation Too!" Consortium for the Advancement of Undergraduate Statistics Education JSE webinar, March 18, 2015: <https://www.causeweb.org/webinar/jse/2015-03/>

Wagler, A. & Lesser, L. "Connections with Language to Help Statistics Students Make Content Connections" Roundtable, Sun Conference, El Paso, TX, March 5, 2015.

Amy E. Wagler, Ph.D.

Wagler, A., Kosheleva, O., Wagler, R. & Serpa, L. "Noyce Scholarships for Teaching Miners: Support for Mathematics and Physics Majors who want to Teach" The 2015 Joint Mathematics Meetings, January 11, 2015: San Antonio, TX

Wagler, A. "A Multiplicity Correction for Chi-square Distributed Endpoints" UTEP Department of Mathematics Colloquium, September 9, 2014.

Wagler, A. & Lesser, L. "Assessing Dimensionality of the Communication, Language and Statistics Survey: A multi-group analysis with introductory statistics students near the US-Mexico Border" The 2014 International Conference on Teaching Statistics, July 13-18, 2014: Flagstaff, AZ.

Wagler, R., & Wagler, A. "Preservice Middle School Science Teacher's Attitudes and Beliefs toward Biologically Diverse Animals," The 2014 Invertebrates in Education and Conservation Conference (IECC), July 22-26, 2014; Rio Rico, Arizona.

Akosa, J. & Wagler, A. "Resampling-based methods for multiplicity control in generalized linear models" Summer Research Conference in Statistics and Biostatistics, June 1-4, 2014: Houston, TX.

Wagler, A. & Wagler, R. "Randomizing Roaches: Exploring the "Bugs" of Randomization in Experimental Design." The 2014 International Sun Conference on Teaching and Learning, March 5-7, 2014; El Paso, Texas.

Wagler, A., Lesser, L. & Monarrez, A. "Characteristics of the Communication, Language And Statistics Survey (CLASS): A conversation about the interaction between language use and the learning of statistics." Sun Conference, Spring 2014, UTEP: El Paso, Texas.

Wagler, R., & Wagler, A. "The influence of living *Poecilotheria* spider activities on the beliefs and emotions of elementary school students." 2013 Invertebrates in Education and Conservation Conference (IECC), July 30-August 4, 2013; Tucson, Arizona

Wagler, A. and Lesser, L. "Changing Classroom Dynamics: Practical Techniques to Deepen the Discourse" United States Conference on Teaching Statistics, May 17, 2013: Cary, NC.

Wagler, A., Lesser, L. and González, A. "Assessing Readability of College Level Statistics Textbooks: A Quantitative Lexical and Grammatical Analysis" United States Conference on Teaching Statistics, May 18, 2013.

Wagler, A. and Lesser, L. "English Language Learners in the Statistics Classroom: Research, Resources, and recommendations" UTEP Mathematical Sciences Colloquium, November 9, 2012.

Lim, K. H., & Wagler, A. "Assessing impulsive-analytic disposition: The Likelihood-to-Act survey and other instruments" Research report present at the Thirty-sixth Conference of the International Group for the Psychology of Mathematics Education, Taipei, Taiwan, July 19, 2012.

Lim, K. H., & Wagler, A. "Impulsive-analytic disposition in mathematical problem solving: A survey and a mathematics test" Research report present at the Thirty-fifth Annual Conference of the Mathematics Education Research Group of Australasia, Singapore, July 5, 2012.

Wagler, A. and Lesser, L. "Giving English Learners the Means and the Modes for Successfully Exploring and Presenting Data" Bilingual Educators Emphasizing and Mastering Standards (BEEMS) Conference, January 28,

Amy E. Wagler, Ph.D.

2012.

Hagedorn, E.A., Wagler, R., Kosheleva, O., Serpa, L. and Wagler, A. "Robert Noyce Scholarships for Teaching Miners: A Continuous Support Model, Presentation" Association for Science Teacher Education 2012 International Conference, January 4-7, 2012; Clearwater, Florida.

Hagedorn, E.A., Wagler, R., Kosheleva, O., Serpa, L., and Wagler, A. "Innovative Noyce program for preparing high school physics teachers" Presentation, Author Only, Texas AAPT/APS/SPS Meeting, October 8, 2011, Commerce, Texas.

Lesser, L. and Wagler, A. "Teaching Introductory Statistics to Linguistically and Culturally Diverse Students" Joint Statistical Meetings, August 2011.

Wagler, A., Lesser, L., Monarrez, A., and Salazar, B. "Pilot study of tertiary English Language Learners in Introductory Statistics" Bilingual Educators Emphasizing and Mastering Standards (BEEMS) Conference, March 2011.

Lesser, L. and Wagler, A. "Case Study-Informed Survey of Tertiary English Language Learners and Native Speakers in Introductory Statistics" Sun Conference, UTEP, Spring 2010.

Wagler, A. "Bias Reduced Estimation of Logistic Dose Response Models" Departmental Seminar, Department of Mathematical Sciences, The University of Texas at El Paso, April 2009; El Paso, TX.

Wagler, A. "Small Sample Estimation of Logistic Dose Response Models" Eastern North American Regional Biometric Society Meetings, March 2009, San Antonio, TX.

Wagler, A. "Organizing your Statistical Tool belt" Sun Conference, February 2009, El Paso, TX.

Wagler, A. "Using the Penalized Maximum Likelihood Estimator for Simultaneous Estimation of Generalized Linear Model Parameters" Eastern Regional Conference of the Biometrical Society, March 2008, Crystal City, VA.

Wagler, A. "Simultaneous Inference in Generalized Linear Model Settings, Departmental Seminar" Department of Statistics, Oklahoma State University, November 2005; Stillwater, OK.

Wagler, A. "Effective Teaching: Surviving your first year as a Graduate Teaching Assistant" Departmental Seminar, Department of Statistics, Oklahoma State University, September 15, 2003; Stillwater, OK.

Wagler, A. "A Comparison of Confidence Intervals for Variance Components" Joint Statistical Meetings, August 8, 2003; San Francisco, CA

Wagler, A. "A Comparison of Confidence Intervals for Variance Components" Departmental Seminar, Department of Statistics, Oklahoma State University, March 27, 2003; Stillwater, OK.

Lewis, A. "Computer Enhanced Mathematics Education: Using Maple and Derive in the Classroom" 6th Annual Small College Computing Conference, Louisiana State University, Shreveport, LA, April, 1995 (Journal of Computing in Small Colleges, 10(5), 180-184).

Teaching Experience

Amy E. Wagler, Ph.D.

- 2022- Professor, Mathematical Sciences, The University of Texas at El Paso, Department of Mathematical Sciences.
Courses: Graduate- Introduction to Data Science Collaborations, Data Visualization, Graph Theory Modeling
- 2015-2022 Associate Professor, Mathematical Sciences, The University of Texas at El Paso, Department of Mathematical Sciences.
Courses: Undergraduate- Probability and Statistics for Computer Scientists, Probability, Probability and Applied Statistics
Graduate- Post-Genomic Analysis, Statistical Programming*, Applied Experimental Design*, Data Visualization*, Introduction to Data Science Collaborations
- 2008-2015 Assistant Professor, Mathematical Sciences, The University of Texas at El Paso, Department of Mathematical Sciences.
Courses: Undergraduate-Descriptive and Inferential Statistics, Elementary Statistical Methods, Probability and Statistics for Computer Scientists, Probability, Probability and Statistics for Preservice Math Teachers
Graduate-Introduction to Statistical Analysis, Post-Genomic Analysis, Statistical Programming*, Multivariate Analysis, Statistics Graduate Seminar, Bioinformatics Graduate Seminar
- 2007-2009 Visiting Professor, Statistics, Oklahoma State University, Department of Statistics.
Courses: Graduate-Time Series Analysis, Statistics for Experimenters I and II
Undergraduate-Statistics for Social Scientists I and II
- 2000-2007 Graduate Teaching Assistant/Associate, Statistics, Oklahoma State University, Department of Statistics
Courses: Undergraduate-Regression Analysis, Statistics for Engineers and Scientists, Business Statistics

Scheduled Teaching since 2008 (BINF=Bioinformatics, CPS:Computational Science, DS:Data Science, MATH=Mathematics, STAT=Statistics, RSRC=Mentored Research):

BINF 5113, Math Sem. for Bioinformatics, 1 course.
 BINF 5354, Post-Genomic Analysis, 4 courses.
 CPS 5396, Graduate Interdisciplinary Res, 1 course.
 CPS 5397, Graduate Research, 1 course.
 CPS 6396, Graduate Research, 2 courses.
 DS 5339, Data Visualization, 1 course.
 DS 6390, DS Research Collaborative, 1 course.
 MATH 4199, Individ Studies in Mathematic, 1 course.
 MATH 4370, Topics Seminar, 10 courses.
 MATH 4399, Indiv Studies in Mathematics, 15 courses.
 MATH 5396, Graduate Research, 2 courses.
 MATH 5398, Thesis, 2 courses.
 MATH 5399, Thesis, 1 course.

RSRC 4033, Undergraduate Research, 21 courses.
 STAT 1380, Descriptive & Inferential Stat, 2 courses.
 STAT 2381, Statistical Methods II, 1 course.
 STAT 2480, Elementary Statistical Methods, 3 courses.
 STAT 3320, Probability and Statistics, 4 courses.
 STAT 3325, Prob & Applied Statistics, 1 course.
 STAT 3330, Probability, 1 course.
 STAT 4385, Applied Regression Analysis, 1 course.
 STAT 5195, Graduate Seminar, 6 courses.
 STAT 5328, Intro to Statistical Analysis, 1 course.
 STAT 5329, Statistical Programming, 8 courses.
 STAT 5335, Applied Experimental Design, 2 courses.
 STAT 5354, Post-Genomic Analysis, 4 courses.
 STAT 5370, Special Topics, 15 courses.
 STAT 5388, Multivariate Data Analysis, 1 course.
 STAT 5396, Graduate Research, 10 courses.
 STAT 5398, MS Thesis, 14 courses.
 STAT 5399, MS Thesis, 25 courses.
 STAT 5428, Intro to Statistical Analysis, 1 course.
 DS 6390, Data Science Collaborations, 8 courses.
 DS 6335, Intro to Data Science Collaborations, 3 course.
 DS 6339, Data Visualization, 3 course.

Complete Overview of Teaching Activities since arriving at UTEP in 2008

Please note the complete listing of all courses I have taught while at UTEP. Courses STAT 5354 and BINF 5354 are cross-listed and held in a single section.

TERM	COURSE
Fall 2023	Indiv Studies in Mathematics
Fall 2023	Graduate Seminar
Fall 2023	Graduate Research
Fall 2023	Graduate Seminar
Fall 2023	Intro to DS Collaborations
Fall 2023	Special Topics
Fall 2023	Special Topics
Fall 2023	Special Topics
Fall 2023	DS Research Collaborative
Fall 2023	Graduate Research
Fall 2023	Dissertation II
Summer 2023	Indiv Studies in Mathematics
Summer 2023	DS Research Collaborative
Spring 2023	Indiv Studies in Mathematics
Spring 2023	Data Visualization
Spring 2023	Special Topics

Amy E. Wagler, Ph.D.

Spring 2023	DS Research Collaborative
Spring 2023	Graduate Research
Spring 2023	Dissertation I
Spring 2023	Indiv Studies in Mathematics
Spring 2023	Graduate Seminar
Fall 2022	Individual Studies in Mathematics
Fall 2022	Special Topics
Fall 2022	Special Topics
Fall 2022	Graduate Research
Fall 2022	Thesis 2
Fall 2022	Intro to DS Collaborations
Fall 2022	DS Research Collaborations
Summer 2022	Individual Studies
Summer 2022	Graduate Research
Summer 2022	Thesis 1
Summer 2022	DS Research Collaborative
Spring 2022	UG Research
Spring 2022	Special Topics
Spring 2022	Statistics In Research
Spring 2022	Thesis 2
Spring 2022	DS Research Collaborative
Fall 2021	Individual Studies
Fall 2021	Special Topics
Fall 2021	Graduate Research
Fall 2021	Thesis 1
Fall 2021	Intro to DS Collaborations
Fall 2021	DS Research Collaborative
Summer 2020	Graduate Research STAT 5396
Summer 2020	Individual Studies in Mathematics MATH 4399
Summer 2020	MS Thesis STAT 5399
Summer 2020	Topics Seminar MATH 4370
Summer 2020	Undergraduate Research RSRC 4033
Spring 2020	Individual Studies in Mathematics MATH 4399
Spring 2020	MS Thesis STAT 5399
Spring 2020	Special Topics STAT 5370
Spring 2020	Statistical Programming STAT 5329
Spring 2020	Topics Seminar MATH 4370
Spring 2020	Undergraduate Research RSRC 4033
Fall 2019	Graduate Seminar STAT 5195
Fall 2019	Individual Studies in Mathematics MATH 4399
Fall 2019	Individual Studies in Mathematics MATH 4399
Fall 2019	MS Thesis STAT 5398

Amy E. Wagler, Ph.D.

Fall 2019	MS Thesis STAT 5398
Fall 2019	Special Topics STAT 5370
Fall 2019	Statistical Programming STAT 5329
Fall 2019	Undergraduate Research RSRC 4033
Summer 2019	Graduate Research STAT 5396
Summer 2019	Individual Studies in Mathematics MATH 4399
Summer 2019	MS Thesis STAT 5399
Summer 2019	Topics Seminar MATH 4370
Summer 2019	Topics Seminar MATH 4370
Summer 2019	Undergraduate Research RSRC 4033
Spring 2019	Graduate Seminar STAT 5195
Spring 2019	Individual Studies in Mathematics MATH 4399
Spring 2019	Undergraduate Research RSRC 4033
Fall 2018	Applied Experimental Design STAT 5335
Fall 2018	Individual Studies in Mathematics MATH 4399
Fall 2018	Individual Studies in Mathematics MATH 4399
Fall 2018	Undergraduate Research RSRC 4033,
Summer 2018	Individual Studies in Mathematics MATH 4399
Summer 2018	MS Thesis STAT 5399
Summer 2018	Undergraduate Research RSRC 4033
Spring 2018	Individual Studies in Mathematics MATH 4399
Spring 2018	Individual Studies in Mathematic MATH 4199
Spring 2018	MS Thesis STAT 5399
Spring 2018	Statistical Programming STAT 5329
Spring 2018	Undergraduate Research RSRC 4033
Fall 2017	MS Thesis STAT 5398
Fall 2017	MS Thesis STAT 5399
Fall 2017	Statistical Programming STAT 5329
Fall 2017	Topics Seminar MATH 4370
Fall 2017	Undergraduate Research RSRC 4033
Summer 2017	MS Thesis STAT 5398
Summer 2017	MS Thesis STAT 5399
Summer 2017	Undergraduate Research RSRC 4033
Spring 2017	Graduate Research STAT 5396
Spring 2017	Individual Studies in Mathematics MATH 4399
Spring 2017	MS Thesis STAT 5399
Spring 2017	MS Thesis STAT 5399
Spring 2017	MS Thesis STAT 5399
Spring 2017	Undergraduate Research RSRC 4033
Fall 2016	Applied Regression Analysis STAT 4385
Fall 2016	Graduate Research STAT 5396
Fall 2016	MS Thesis STAT 5398

Amy E. Wagler, Ph.D.

Fall 2016	Undergraduate Research RSRC 4033
Summer 2016	MS Thesis STAT 5399
Summer 2016	Undergraduate Research RSRC 4033
Spring 2016	MS Thesis STAT 5399
Spring 2016	MS Thesis STAT 5399
Spring 2016	Prob & Applied Statistics STAT 3325
Spring 2016	Statistical Programming STAT 5329
Spring 2016	Undergraduate Research RSRC 4033
Fall 2015	MS Thesis STAT 5398
Fall 2015	Probability and Statistics STAT 3320
Fall 2015	Special Topics STAT 5370
Fall 2015	Undergraduate Research RSRC 4033
Summer 2015	Graduate Research STAT 5396
Summer 2015	Undergraduate Research RSRC 4033
Spring 2015	Graduate Seminar STAT 5195
Spring 2015	Probability and Statistics STAT 3320
Spring 2015	Statistical Programming STAT 5329
Spring 2015	Undergraduate Research RSRC 4033
Fall 2014	Graduate Research MATH 5396
Fall 2014	Graduate Research STAT 5396
Fall 2014	MS Thesis STAT 5398
Fall 2014	Post-Genomic Analysis BINF 5354
Fall 2014	Post-Genomic Analysis STAT 5354
Fall 2014	Probability and Statistics STAT 3320
Fall 2014	Thesis MATH 5398
Fall 2014	Undergraduate Research RSRC 4033
Summer 2014	Graduate Research MATH 5396
Summer 2014	MS Thesis STAT 5399
Spring 2014	MS Thesis STAT 5399
Spring 2014	Probability STAT 3330
Spring 2014	Statistical Programming STAT 5329
Fall 2013	Graduate Research STAT 5396
Fall 2013	MS Thesis STAT 5398
Fall 2013	Post-Genomic Analysis BINF 5354
Fall 2013	Post-Genomic Analysis STAT 5354
Fall 2013	Prob & Stat for Comp Sci STAT 3320
Fall 2013	Thesis MATH 5398
Summer 2013	MS Thesis STAT 5399
Spring 2013	Elementary Statistical Methods STAT 2480
Spring 2013	Graduate Research CPS 6396
Spring 2013	Graduate Research STAT 5396
Spring 2013	MS Thesis STAT 5399
Spring 2013	Statistical Programming STAT 5329

Amy E. Wagler, Ph.D.

Fall 2012	Graduate Research CPS 6396
Fall 2012	Intro to Statistical Analysis STAT 5428
Fall 2012	Math Sem. for Bioinformatics BINF 5113
Fall 2012	MS Thesis STAT 5398
Fall 2012	Post-Genomic Analysis BINF 5354.
Fall 2012	Post-Genomic Analysis STAT 5354.
Summer 2012	MS Thesis STAT 5399
Spring 2012	Descriptive & Inferential Stat STAT 1380
Spring 2012	Graduate Research CPS 5397
Spring 2012	MS Thesis STAT 5399
Spring 2012	Special Topics STAT 5370
Spring 2012	Thesis MATH 5399
Fall 2011	Elementary Statistical Methods STAT 2480
Fall 2011	Elementary Statistical Methods STAT 2480
Fall 2011	MS Thesis STAT 5398
Fall 2011	MS Thesis STAT 5399
Fall 2011	Post-Genomic Analysis BINF 5354
Fall 2011	Post-Genomic Analysis STAT 5354
Summer 2011	MS Thesis STAT 5398
Summer 2011	MS Thesis STAT 5399
Spring 2011	Descriptive & Inferential Stat STAT 1380
Spring 2011	Graduate Interdisciplinary Res CPS 5396
Spring 2011	MS Thesis STAT 5399,
Spring 2011	Special Topics STAT 5370
Fall 2010	Graduate Seminar STAT 5195
Fall 2010	MS Thesis STAT 5398
Fall 2010	MS Thesis STAT 5399
Fall 2010	Special Topics STAT 5370
Fall 2010	Topics Seminar MATH 4370.
Summer 2010	Special Topics STAT 5370
Fall 2009	Graduate Research STAT 5396
Fall 2009	Graduate Seminar STAT 5195
Fall 2009	Special Topics STAT 5370
Fall 2009	Topics Seminar MATH 4370
Summer 2009	Statistical Methods II STAT 2381
Spring 2009	Graduate Seminar STAT 5195
Spring 2009	Multivariate Data Analysis STAT 5388
Spring 2009	Special Topics STAT 5370
Fall 2008	Intro to Statistical Analysis STAT 5328

Directed Student Learning

Undergraduate Students Mentored-leading to publications

Rodriguez, L., Bachelor of Science in Mathematics, The University of Texas at El Paso, El Paso, TX: Directed research project on synthetic data generation using GAN models, report submitted for credit.

Diaz, E. Bachelor of Science in Mathematics, The University of Texas at El Paso, El Paso, TX: directed research project. Topic: "NIH All of US Collaborative Research: COVID-19 Hispanic Health Disparities", paper being drafted for submission.

Dessauer, Paul R. Bachelor of Science in Mathematics, The University of Texas at El Paso, El Paso, TX: directed research project. Topic: "Food and Housing Insecurity at UTEP".

Aboragoh, Manal. Bachelor of Science in Psychology, The University of Texas at El Paso, El Paso, TX: directed research project. Topic: "Text Analytics of Student Motivation to Participate in Biomedical Research".

González, Ariel I. Bachelor of Science in Mathematics. The University of Texas at El Paso, El Paso, TX: directed research project. Topic: "Assessing the Readability of the Corpus of Introductory Statistics Textbooks". Paper accepted in *Journal of Technical Writing and Communication*.

Masters Students Mentored

Hernandez, Hortencia, Master of Science in Statistics and Data Science. The University of Texas at El Paso, El Paso, TX: committee chair.

Ramirez, Aleida. Professional Masters of Science. The University of Texas at El Paso, El Paso, TX: research advisor.

Seira, Diego. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor.

Santos, Martin. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor.

Rios, Alejandro. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor.

Kwofie, Francis. Master's Thesis Committee Chair, "Bias-reduced Modeling of Interval Censored Data." (May 2019 - 2020).

Dei, Sumi. Dissertation Committee Member. (2018 - 2021).

Govinda, KC. Dissertation Defense Committee Member. (January 2018 - 2021).

Jayanetti, Wimarsha. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor.

Fernando, Dimuthu. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research

Amy E. Wagler, Ph.D.

advisor.

Hannan, Hamna. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor.

Nsaih-Nimo, Michael. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor.

Milke, Christy. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor.

Galvan, Lorena. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor.

Koomson, Desmond. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor.

Sequeria, Emmanuel. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor.

Gomez, Diana. Master of Teaching in Mathematics. The University of Texas at El Paso, El Paso, TX: research advisor.

Hernandez, Jennifer. Master of Teaching in Mathematics. The University of Texas at El Paso, El Paso, TX: research advisor. Topic: "Assessing Readability of College-level Statistics Textbooks: A Qualitative Analysis"

Heinrichs, Heidi. Master of Teaching in Mathematics. The University of Texas at El Paso, El Paso, TX: served on master's committee.

Franco, Gabriela. Master of Science in Biology. The University of Texas at El Paso, El Paso, TX: currently on master's committee.

Akosa, Josephine. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: directed master's thesis. Topic: "Comparison of Closed form and Resampling based Multiple Comparison Procedures in Generalized Linear Model Settings"

Aboregeh, Prosper. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: research advisor. Topic: "Investigating a Physical Model of the Median"

Maribel, Juana. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: served on committee for master's thesis in statistics.

Kubi Appiah, John. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: directed master's thesis. Topic: "Assessing Dimensionality of the Functional Assessment Measures in a U.S. Rehabilitation Hospital"

Gatewood, Ivan. Master of Science in Statistics, The University of Texas at El Paso, El Paso, TX: directed master's research project

Amy E. Wagler, Ph.D.

Kim, Young-An. Master of Science in Sociology, The University of Texas at El Paso, El Paso, TX: served on committee for master's thesis in sociology.

Dassayake, Maduranga. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: directed master's thesis. Topic: "Hierarchical and Latent variable modeling of Functional Assessment Measures in a U.S. Rehabilitation Hospital"

Monnarez, Angelica. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: directed master's thesis. Topic: "Differential Item Function of CAOS items on Hispanic Tertiary Student Populations"

Alvarado, Luis. Master of Science in Statistics, The University of Texas at El Paso, El Paso, TX: directed master's thesis. Topic: "Identification of Measurement Invariance in the presence of Testlets"

Thornton, Garrett. Master of Science in Geology, The University of Texas at El Paso, El Paso, TX: served on committee for master's thesis in geology

Vishkaya, Sameera. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: served on committee for master's thesis in statistics

Priyangi, Bulthania. Master of Science in Statistics. The University of Texas at El Paso, El Paso, TX: served on committee for master's thesis in statistics

Valenzuela, Guadalupe. Master of Arts in Teaching Mathematics. The University of Texas at El Paso, El Paso, TX: served on committee for master's thesis for MAT

Pugh, Melissa. Master of Science in Statistics, The University of Texas at El Paso, El Paso, TX: directed master's research project

Ph.D. Students Mentored

Hasan, Easin, Doctor of Philosophy in Data Science, The University of Texas at El Paso, Dissertation Committee Chair. (Fall 2022 – Fall 2023).

Reyes, Clarissa, Doctor of Philosophy in Data Science, The University of Texas at El Paso, Dissertation Committee Chair. (Fall 2022 – Fall 2023).

Ortiz, Richard, Doctor in Philosophy in Biology, The University of Texas at El Paso, mentored in graph theory modeling (Fall 2019-Fall 2021).

Yu-Yi Lin, Doctor in Philosophy in Curriculum and Instruction, The University of Texas at El Paso, Dissertation Committee Member. (Fall 2019 – Spring 2021).

Teshara, Mark. Doctor of Philosophy in Biological Sciences, The University of Texas at El Paso, El Paso, TX: committee member and advisor on statistical analysis.

Viera, Julian. Doctor of Philosophy in Curriculum and Instruction, The University of Texas at El Paso, TX: committee member.

De Santos, Dominic. Doctor of Philosophy in Biological Sciences, The University of Texas at El Paso, El Paso,

Amy E. Wagler, Ph.D.

TX: advisor on dissertation in ecology.

Achondo, Teresa. Doctor of Philosophy in Health Sciences, The University of Texas at El Paso, El Paso, TX: worked on statistical modeling of dissertation data.

Course Development

DS 5339: Data Visualization: New course designed for the doctoral program in data science. This course teaches design principles and procedures useful for developing high quality data visualizations that communicate complex ideas with sophistication.

STAT 5335: Applied Experimental Design: New course developed for Master of Science students in statistics and bioinformatics as well as graduate students in the experimental sciences. Emphasis of course is on application of theory to sophisticated experimental designs. Approved May 2015.

STAT 3325: Probability and Applied Statistics: Adapting an already existing course for the cohort of preservice math teachers. Course emphasizes content and pedagogy and provides instructional resources for passing the math content certification exam. Approved May 2015.

STAT 1380 (online): Basics of Descriptive and Inferential Statistics Online course: developed an online version of an introductory statistics course. Course follows the Guidelines for Assessment and Instruction in Statistics Education (GAISE) as proposed by the American Statistical Association. Course developed at The University of Texas at El Paso, Spring 2010. Course piloted Spring 2011.

STAT 5380: Statistical Programming: developed a graduate level course in statistical programming. Emphasis on methods of data entry, data management, and creation of statistical reports. Topics covered include conversion of data from complex forms, data storage defaults, creation of user-defined functions, simulation methods, random variable generation, permutation methods, the bootstrap, the jackknife and methods of increasing computational efficiency. Business and academic applications are emphasized. University of Texas at El Paso, Approved Fall 2009.

Service

Departmental:

Developer and lead in university proposal for Ph.D. in Data Science Program, awarded by UT System.

Developer and lead in university approval of Graduate Certificate in Big Data Analytics Program, Fall 2017.

Director of Undergraduate Concentration in Actuarial Sciences (August 2016-2022).

Director of Graduate Certificate in Applied Statistics (April 2015-2022).

Director of Graduate Certificate in Big Data Analytics (April 2015-2022).

Chair, Secondary Education Committee for Department of Mathematical Sciences
(September 2015-2022)

Developer and lead in university approval of STAT 3325: Probability and Applied Statistics
Amy E. Wagler, Ph.D.

Developer and lead in university approval of STAT 5385: Applied Experimental Design

Developer and lead in university approval of Graduate Certificate in Applied Statistics Program, to be initiated Spring 2016

Chair, Community Engagement Committee for Department of Mathematical Sciences (January 2015-2023)

UTEP Faculty Senate for Department of Mathematical Sciences (August 2014 – August 2016).

Faculty Recruiter of College of Science Students, Mathematics Department (August 2011-present).

Representative, Inquiry-based learning conference sponsored by NSF (August 2013).

Faculty Advisor for Math Majors (September 2010 – August 2013).

Co-Developer of Ph.D.in statistics proposal (Fall 2010).

UTEP CoS Master of Statistics SACS Accreditation, Contributor (2012-2013).

Hiring Committee Member, Successfully hired a new associate professor of statistics (January-May 2013).

Member, Meeting, Department of Mathematical Sciences Faculty Meeting. (September 2008 - 2023).

Member, Meeting, Statistics Group. (August 2008 - 2023).

Online course development. (January 2010 - December 2010).

Faculty Advisor, Club Zero. (September 2009 – Fall 2012).

College:

CORE Assessment Committee (Fall 2015-2022)

CORE Assessment Evaluation for CoS Team Work Evaluation (Fall 2016-Spring 2017).

CORE Assessment Evaluation for CoS quantitative reasoning questions (Fall 2015-Spring 2016).

Data Collector/Organizer for the College of Science report for the Higher Education Presidents' Honor Roll for Community Engagement (November 2015)

Chair, Secondary Education Committee for Department of Mathematical Sciences (September 2015-2022)

Data Collector/Organizer for the College of Science report for the Higher Education Presidents' Honor Roll for Community Engagement (March 2015)

Advisor for Graduate Certificate in Applied Statistics (April 2015-2022).

Developer and lead in university approval of Certificate in Applied Statistics (September 2014-May 2015).

College of Science Representative for Provost's Office Community Engagement Council (September 2014-2023).

Student Recruitment for UTEP College of Science (July 2009-2023).

CORE Assessment Committee Member for CoS (October 2013-2016).

COURI co-mentor for Ariel I. González (September 2012-May 2013).

COURI judge representing UTEP College of Science (April 27, 2013).

LSAMP co-mentor for Ariel I. González (May 2012-August 2012).

Student Recruitment: made presentations for math department at UTEP freshman orientation. (July 2009; August 2010; June 2011).

Computational Science Graduate Faculty Member (Fall 2011-present).

University:

Ad-hoc Committee on Revision of Graduate Council By-laws, 2020-2022.

UTEP-EPCC Articulation Council, Curriculum Subcommittee, work on improving articulation process for EPCC-UTEP students, August 2017-2022.

Judge for Texas Association of Future Teachers Conference on November 17, 2017.

EDGEducation Initiative with Canutillo HS, representative and coordinator from UTEP Department of Mathematics, co-teaching and collaborating with HS math faculty on sharing teaching practices and success, September 2017-2020.

Represented UTEP at the New Direct Leader Forum in Austin, TX, August 8-9 2017.

Leadership Community of Practice, member and organizer of workshops for UTEP faculty, June 2017-2020.

Undergraduate Curriculum Committee Member, January 2017-2019.

Faculty Mentor and Presenter at the 21st Century Scholar Event, February 15, 2017.

Assessment Sub-Committee for Community Engagement, September 2016-present.

Judge for Texas Association of Future Teachers Conference on November 4, 2016.

Provost's Faculty Fellow-in-Residence for Civic Engagement (August 2016-August 2018), UTEP.

Amy E. Wagler, Ph.D.

President's Honor Role Application Preparation, October 2016-2020.

Consultant for Dr. Craig Field with regard to the Latino Alcohol Health Disparities Research (LAHDR) group activities at UTEP. Provides statistical consulting on multiple projects ongoing in the LAHDR group (January 2015-January 2017), UTEP

Judge for Graduate Research Expo (April 2012-present when held).

UTEP Faculty Senate Member (August 2014-August 2016), UTEP

Co-organizer for UTEP Community Tours to be held January 11, 2016 (meetings held August 2015-January 2016)

Reviewer for Regents Outstanding Teaching Nominations for UTEP (December 2015)

Graduate Research Expo Symposium judge (November 2015), UTEP

Consultant for Dr. Paat With regard to the Spenser Foundation proposal "Volunteering Engagement, Persistence, Life Course, and Social Diversity". BBRC Statistical Consulting Lab power analysis and help with grant write-up

Co-organizer of UTEP Community Partners Appreciation Event, El Paso, TX (planning meetings held during spring 2015 and event held May 29, 2015), El Paso, TX

COURI Symposium judge and mentor (April 2015), UTEP

Noyce National Science Foundation Workshop (February 20, 2014), UTEP.

Program Investigator and Organizer, Robert Noyce Scholarships for Teaching Miners (August 2014- present).

Reviewer for Regents Outstanding Teaching Nominations for UTEP (December 2014)

UTEP Provost's Council for Community Engagement Representative for College of Science, (December 2014-present).

Noyce National Science Foundation Workshop (November 21, 2014), UTEP.

Student recruitment: Eastlake High School (STEM magnet). Talked to prospective UTEP students about STEM careers and degree options at UTEP (November 8, 2013).

Robert Noyce Teacher Miners, Program Organizer (August 2011-August 2014).

Noyce National Science Foundation Workshop (September 21, 2013), YISD Central Office

Panelist for Science Professionals Panel hosted by College of Science at The University of Texas at El Paso (UTEP) Career Center (March 27th, 2013).

Project Leap Up Fellow (August 2010-August 2014), Project Leap Up.

Noyce National Science Foundation Workshop (June 2013), UTEP

COURI Symposium judge and mentor (April 2013), UTEP

Noyce National Science Foundation Workshop (June 2012), UTEP

UTEP Cenmaster Researcher and Practitioner (Fall 2008-Fall 2010).

UTEP Graduate College Faculty Member (Fall 2008-present).

Professional:

2023 Academic Data Science Alliance Annual Meeting Program Committee (January 2023-October 2023)

Associate Editor for Journal of Statistics Education (August 2015-August 2017).

Invited Reviewer for the Journal of Computational Statistics and Simulation (January 2014 –2020).

Associate Editor for Statistics Teacher Education Web (STEW) (August 2014-August 2016).

Statistical Analysis Consultant for Research in Science Education Journal (May 2014).

Invited Reviewer for the Journal of Educational and Behavioral Statistics (February 2014-2022).

Invited Reviewer for the Journal of Biopharmaceutical Statistics (May 2013-present).

Invited Reviewer for the Multimedia Educational Resource for Learning and Online Teaching (May 2010-January 2015).

Invited Reviewer for the Journal of Statistics Education (June 2008-present).

Invited Reviewer for the Journal of Statistical Theory and Practice (October 2011-present).

Workshop organizer, facilitator and instructor, SABE MAS. (June 1, 2010 - June 11, 2010).

Chairperson, Oklahoma Chapter of the American Statistical Association. (August 2007 – May 2008).

Community:

Coordinating STEM outreach activities for area youth with future STEM museum director (Dr. Paul Kotenaar) and YWCA Director (Dr. Sylvia Acosta).

Educators Rising Event Judge for area secondary students who plan to teach:

<http://www.utep.edu/newsfeed/campus/UTEP%20Faculty%20Help%20Future%20Educators%20at%20High%20School%20Competition.html>

Board member of Frontera Land Alliance, El Paso, TX.

Statistical consulting work with Frontera Land Alliance, El Paso, TX.

Coordinated POGIL workshop for area STEM teachers

Works with area teachers, inservice and preservice: EPISD, YISD.

Coordinator of student work with Insights Museum, El Paso, TX.

Community organizer for campaign to preserve the Castner Mountain Range as a NPS National Monument (www.castner4ever.org)

Co-organizer of UTEP Community Partners Appreciation Event, El Paso, TX (planning meetings held during spring 2015 and event held May 29, 2015), El Paso, TX

Yearly presenter at Career Day at Tippin Elementary School, “What is a Statistician?”, El Paso, TX

The El Paso TechH2O Water Resources Learning Center, “Science and Statistics” Workshop, El Paso, Texas, Elementary Students Nature Summer Camp (July 22-July 26, 2013); El Paso, Texas.

The El Paso TechH2O Water Resources Learning Center, “Science and Statistics” Workshop, El Paso, Texas, Elementary Students Nature Summer Camp (June 17- June 21, 2013); El Paso, Texas.

Professional Development Presented

2013 Noyce National Science Foundation Summer Workshop, Topic: Statistics and Science Integration Teaching Methods: STEM Preservice Teachers; Developer, Organizer and Instructor, June 3- June 7, 2013, UTEP, El Paso, Texas.

2012 Noyce National Science Foundation Summer Workshop, Topic: Teaching Experimental Design using Living Arthropods; Participants: 9th-12th Grade Preservice Teachers; Developer, Organizer and Instructor, June 11-June 22, 2012, UTEP, El Paso, Texas.

2011 Noyce National Science Foundation Summer Workshop, Topic: Randomizing Roaches: The integration of Science and Statistics, Middle and High School Preservice Teachers; Developer, organizer and instructor, May 31- June 10, 2011, UTEP, El Paso, Texas.

2010 SABE MAS (Supporting a Better Education in Math and Science) Science/Statistics Integration Teacher Workshop: 7th-12th Grade Preservice/Inservice Teachers; Developer, organizer and instructor, June 7-11, 2010, UTEP, El Paso, Texas.

Website: <http://science2.utep.edu/sabemas/index.html>

Professional Development Lead or Attended

Attended and coordinating initial meetings of the Leadership Community of Practice at UTEP

Lead Community Engaged Scholarship Sessions during the 2016-2017 academic year

Amy E. Wagler, Ph.D.

U.S. Conference of Teaching Statistics (USCOTS), attend and lead sessions bi-annually since May 2011 (eg May 2017, 2015, 2013, 2011).

UTEP CETaL Teaching Enhancement Fridays, Culturally Sensitive Teaching Strategies for Hispanic Students, Attendee, Led by: Dr. Irasema Coronado (Professor, Political Science)
Dr. Mark Lusk (Professor, Social Work), Dr. Stella Quinones (Associate Professor, Electrical and Computer Engineering), Dr. Griselda Villalobos (Assistant Professor, Social Work)

CAUSE Webinar, ENABLEing Student Choice and Instructor Flexibility: Hyflex in Action, with Jackie Miller, The Ohio State University, 2:00 to 2:30 pm Eastern time, Tuesday, December 11th, 2012,

CAUSE Webinar, Experiences with and Assessments of an Open-Access, Online Course for Introductory Statistics, with Marsha Lovett, Carnegie Mellon University; and Oded Meyer, Georgetown University, 2:00 to 2:30 pm Eastern time, Tuesday, October 9th, 2012

E-Conference on Teaching Statistics (eCOTS), attendee, May 2012-current (each year).

National Science Foundation Grant Proposal Writing Workshop, Attendee, November 2008, University of Texas at El Paso

Department of Education Grant Proposal Writing Workshop, Attendee, October 2008, University of Texas at El Paso

Consulting

Consultant on Statistical Analysis
Research in Science Education Journal

Consulted on Research Project
Dr. Ron Wagler, College of Education, University of Texas at El Paso
Performed statistical analysis for two publications.

Wagler, R. "Knowledge of arthropod carnivory and herbivory: A factor in human attitudes and beliefs toward arthropods," 2012 Invertebrates in Education and Conservation Conference (IECC), July 31-August 5, 2012; Tucson, Arizona.

Wagler, R. "The demographics of contamination: Reporting environmental violations in the El Paso del Norte region as a service learning module in university courses with an environmental science component," University of Texas at El Paso, The International Sun Conference on Teaching and Learning, February 27, 2009; El Paso, Texas.

Consulting on funded Research Project
Dr. James Hart, College of Veterinary Medicine, Oklahoma State University
Designing and evaluating results from a study comparing the conventional method and two new experimental methods for ligament repair in horses

Consulted on Research Project
Dr. Maryellen Epplin, Department of Marketing, University of Central Oklahoma State University
Designed study to evaluate Marketing student's expectation of future salary

Amy E. Wagler, Ph.D.

Consulted on Ph.D. Dissertation
Department of Curriculum and Instruction, Oklahoma State University
Project involved ANCOVA modeling of pre-post test scores

Consulted on Ph.D. Report
Research and Evaluation Methodologies, Oklahoma State University
Contributed information on reliability statistics for assessing internal reliability of instruments

Consulted on Ph.D. Dissertation
Department of Curriculum and Instruction, Oklahoma State University
Modeled enrollment data using Multiple Regression

Consulted on Research Project
Dr. Clem Ward, Department of Agricultural Economics, Oklahoma State University
Modeled beef carcass grading data using multinomial logistic models

Consulted on Masters Thesis
Department of Zoology, Oklahoma State University
Utilized Repeated Measures ANOVA for biological science efficacy scores

Promotion of Professional Activities

Click on the links for the media.

- Story of food insecurity work
 - <https://elpasoheraldpost.com/utep-study-shows-pandemic-created-demand-for-emergency-food-assistance-in-el-paso-county/>
 - <https://kfoxtv.com/news/local/study-shows-el-paso-experienced-increase-in-food-insecurity-during-pandemic>
 - <https://cbs4local.com/newsletter-daily/study-shows-areas-in-el-paso-most-affected-by-food-insecurity>
- Story in UTEP News Feed:
<https://www.utep.edu/newsfeed/campus/UTEP-to-Receive-1.2M-Grant-to-Prepare-Future-STEM-Teachers.html>
- Story about NSF Noyce Grant:
<https://www.kvia.com/news/el-paso/utep-episd-awarded-grant-to-foster-next-generation-of-stem-teachers/1085119111>
- Story in UTEP News Feed:
<http://www.utep.edu/newsfeed/campus/Math-Students-Apply-Research-to-Community-Issues.html>
- Story in The Prospector about class project: <http://www.theprospectordaily.com/2017/02/14/statistics-professor-works-to-preserve-land/>
- Press release in El Paso Inc. about work with Frontera Land Alliance

- http://www.elpasoinc.com/news/business_announcements/article_bd17924e-efb8-11e6-a04a-ff1f4e5e5bb4.html
- Media coverage of language research: to be added when link up
 - Garibay, Lisa Y. (2016). Online Extra: Translating Statistics for Spanish Speakers [supplement to the cover story "Scientists Beyond Borders" of the Fall 2016 issue of [UTEP Magazine](#); see p. 39 of that story]. <http://www.utepmagazine.com/blog/2016/9/6/scientists-beyond-borders>
- Castner Range National Monument Campaign support
 - http://www.elpasoinc.com/opinion/guest_columns/article_dae34b32-2c00-11e6-900d-430f5fad78d5.html
- Announcement of new position at UTEP as Provost's Faculty Fellow for Civic Engagement
 - http://www.elpasoinc.com/news/business_announcements/article_bea8630c-2369-11e6-9875-f3152772f68c.html
 - <http://news.utep.edu/provost-names-2016-17-faculty-fellows-for-civic-engagement/>
- NSF Noyce Students from UTEP host Math and Science Open house at Insights Museum
 - http://diario.mx/El_Paso/2016-04-03_3041f990/celebra-insights-a-las-ciencias-exactas-y-a-la-tecnologia/
 -
- The Regents Outstanding Teaching Award Media Coverage, Freely available at:
 - <http://coe.utep.edu/index.php/70-ut-regents-honor-5-outstanding-faculty>
 - <http://newspapertree.com/articles/2014/08/22/ut-regents-recognize--faculty-as-best-in-system>
 - <http://news.utep.edu/?p=26263>
 - <http://news.utep.edu/?p=26226>
 - http://www.elpasotimes.com/news/ci_26386780/utep-professors-recognized-outstanding-teaching-award-by-ut
 - <http://www.utsystem.edu/teachingawards/2014/Academic/tenuretrack.htm>
- Promotional video for NSTA article: https://www.youtube.com/watch?v=7_rZznmua-Y
- UTEP Students Find El Paso Drivers Using Cell Phones In School Zones @ UTEP, June 2013, Freely available at:
 - <http://www.krwg.org/post/utep-students-find-el-paso-drivers-using-cell-phones-school-zones>
- Students Fight Fears to Learn Value of Bugs. News @ UTEP, November 30, 2011, Freely available at <http://admin.utep.edu/Default.aspx?tabid=71325>
- UTEP Interviewed via email by Daniel Perez (UTEP University Communications Writer) from June 1-8, 2010, Published on the UTEP main website on June 9, 2010. <http://admin.utep.edu/Default.aspx?tabid=65504>
- UTEP facebook, Posted June 9, 2010 at 2:41 pm. *Invertebrates infiltrate UTEP teacher workshop.*
- UTEP Twitter at 2:41 pm, *Invertebrates infiltrate UTEP teacher workshop.*
- El Paso Magazine-Published on the El Paso Magazine on June, 10, 2010

- Interview on June, 10, 2010 in UTEP Education building 405 by El Paso channel 7(KVIA), 9(KTSM) and 14(KFOX).
- Channel 7(KVIA), Aired on Channel 7 (KVIA) on June, 10, 2010 at 4-4:30pm and 10-10:30pm.
- Channel 14 (KFOX), Aired on Channel 14 (KFOX) on June, 10, 2010 at 6-6:30pm and 9-10pm.
- Interviewed on June 11, 2010 in UTEP Education building 405 by *El Paso Times*. El Paso Times Website, June 11, 2010 at 04:36pm
- El Paso Times Newspaper, Print story on June 12, 2010
- Las Cruces Sun News, Print story on June 12, 2010
- UTEP Follow up story “*Teachers Learn From Invertebrates That Invaded Classroom*” on June, 14, 2010, <http://admin.utep.edu/Default.aspx?tabid=65540>
- Channel 9, Aired on Channel 9(KTSM) on June, 14, 2010 at 5-5:30pm and 10-10:30pm. The story ran in a segment called “*Education Matters.*”
- UTEP Facebook photo gallery of the workshop on June, 15, 2010
- Perez, D. (Wagler, A. & Wagler, R.) (2010). The roach coach. *UTEP magazine*, Summer 2010, p. 11, contributing author.