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# Sarah C. Narvaiz

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## Education

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| 2023 | <b>PhD, Educational Psychology and Research</b><br><i>University of Tennessee, Knoxville</i> <ul style="list-style-type: none"><li>Concentration: Evaluation, Statistics, and Methodology</li></ul>  | Knoxville, TN       |
| 2018 | <b>MS, Educational Psychology</b><br><i>University of North Texas</i><br>Capstone Project: Literature Review of Advanced Technological Education Programs <ul style="list-style-type: none"><li>Concentration: Research and Evaluation</li></ul> | Denton, TX          |
| 2014 | <b>BA, Telecommunications and Media Studies</b><br><b>BA, Political Science</b><br><i>Texas A&amp;M University</i>   | College Station, TX |

## Professional Research Experience

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|----------------|--|
| 2020 - Present | <b>Graduate Research Assistant</b><br><i>Office of Institutional Research and Assessment</i> <ul style="list-style-type: none"><li>Coordinates and oversees the administration of the California Critical Thinking Skills Test (CCTST) at the university</li><li>Collects data from online databases and university websites for peer comparisons</li><li>Qualitatively codes open-ended responses for university assessments</li><li>Creates visual graphics for reporting via R</li></ul>  |
| 2021           | <b>Survey Methodologist Intern</b><br><i>Service &amp; Robotics Technology, Inc. (SRT)</i> <ul style="list-style-type: none"><li>Developed and validated criticality assessment instrument to assess and rank the importance of machine functioning towards the totality of system operations for SRT clients</li><li>Served as a consultant for the HR team's staff demographic survey efforts</li><li>Developed one-page infographic based on the demographic survey results as a tool to attract future candidates and company investors</li></ul>                                  |
| 2019 – 2020    | <b>Graduate Research Assistant</b><br><i>Supervisor: Dr. Zoi Philippakos</i> <ul style="list-style-type: none"><li>Assisted supervisor on a funded Institute of Education Sciences (IES) grant project (R305A160242) addressing writing and reading in community colleges</li><li>Collected, cleaned, coded, and analyzed quantitative and qualitative data under the supervision of Dr. Philippakos</li><li>Qualitatively codes open-ended responses for university assessments</li><li>Conducted literature reviews on writing and reading performance, self-efficacy, and</li></ul> |

motivation

**2018 – 2019      Research Assistant**

*Gibson Consulting Group*

- Supported quantitative data collection by producing descriptive statistics, gathered comparison data from national databases, and performed outreach efforts to boost response rates for research projects
- Developed advanced data collection instruments in the survey software platform, Qualtrics,
- Coded survey and interview qualitative data using CAQDAS platforms, NVivo and Dedoose
- Provided technical assistance for school personnel and participants by administering surveys over the phone in English and Spanish, responding to confidentiality questions, and articulating purpose of research project in layman terms
- Assisted with sampling, recruitment, and raising response rates for large-scale research projects
- Assisted in project management by developing project status reports, budget documents, and grant proposals

**Professional Experience**

**2017 - 2018      Project Specialist**

*Education Service Center (ESC) Region 13*

- Transitioned two professional development programs from a Texas public university to ESC 13
- Led program planning by developing and maintaining program plans, schedules, reports, and budget
- Negotiated contracts, monitored program performance, and ensured delivery of services
- Communicated information with stakeholders and clients as it related to project updates and delivery
- Served as back-up support for the Deputy Director of ESC 13

**2016 - 2017      Program Planner**

*Education Service Center (ESC) Region 13*

- Assisted in the design of project needs assessment, gathered and synthesized data, and used results to guide project planning and/or report to stakeholders for program evaluation
- Maintained detailed records of project resources and updates as needed
- Provided support to develop, implement, and monitor production schedules for the development of tools, resources, and professional development materials for Texas educators
- Supported the development of grant proposals in response to RFPs posted by the Texas Education Agency
- Planned and monitored aspects of production and distribution of products for five statewide projects

**2015 - 2016      Program Assistant**

*Education Service Center (ESC) Region 13*

- Supported conferences and other professional development events through planning and event management
- Processed and tracked registration for statewide meetings
- Provided communication and technical assistance with ESC personnel, project staff, participants, and consultants

## Research and Evaluation Project Experience

- 2020      **New Graduate Student Orientation and Teaching Assistant Orientation Evaluation**  
*University of Tennessee, Knoxville*
- Conducted program assessment of the 2020 New Graduate Student Orientation and the 2020 New Graduate Teaching Assistant/Associate Orientation by developing survey instruments, collecting data, cleaning and analyzing data, submitting report to the Graduate School
- 2020      **College and Career Access (CCA) Program Needs Assessment**  
*Project GRAD- Knoxville*
- Conducted needs assessment for the (CCA) program by developing survey instruments and interview protocol, fielding survey in person and online, interviewing parents, cleaning and analyzing data, and submitting Project GRAD Knoxville for program improvement
- 2019      **Students' Civic Online Reasoning Study- Stanford History Education Group (SHEG)**  
*Gibson Consulting Group*
- Led district recruiting efforts for a nationwide research project conducted by Stanford University
  - Coordinated with district personnel to ensure the implementation phase of the study launched successfully
  - Provided technical assistance to district personnel and teachers during the planning and implementation phases
  - Completed IRB paperwork to conduct studies in school districts across the United States
  - Managed incentives for multiple research projects
- 2018 - 2019      **Arlington ISD Omnibus District Surveys**  
*Gibson Consulting Group*
- Assisted in the development of three large-scale (parent, employee, student) surveys for AISD
  - Provided technical assistance to parents, teachers, and district personnel during the administration of the surveys
  - Collected quantitative comparison data from national databases
  - Performed activities to boost response rates across all survey projects
  - Translated and coded open-ended qualitative data for the surveys using CAQDAS platforms
- 2018 - 2019      **Texas Special Education Parent Involvement Survey**  
*Gibson Consulting Group*
- Performed activities to boost response rates across all survey projects

- Administered surveys over the phone to collect data
- Provided technical assistance to parents, teachers, and district personnel during the administration of the surveys
- Performed activities to boost response rates across all survey projects

2018 - 2019     **Southern Methodist University Teaching Training Evaluation**

*Gibson Consulting Group*

- Produced descriptive statistics for program evaluation reports
- Conducted telephone interview surveys for program participants

2018            **Evaluation for Baker College Photonic Program**

*University of North Texas*

- Assisted advisor in writing a program evaluation report for a project funded by the National Science Foundation
- Developed needs assessment survey for annual photonics conference at the college

2018            **Capstone Project, Literature Review of Advanced Technological Education Programs**

*University of North Texas*

- Conducted literature review photonic technician workforce training programs at community colleges

2018            **Needs Assessment: The Kristin Farmer Autism Center (KFAC)**

*University of North Texas*

- Developed a program evaluation proposal for an Autism Center located at the university
- Conducted needs assessment by developing logic model and collecting survey data from parents and staff members

## Teaching Experience

2021            **IP: Imagining Possibilities (PiPES) Data Science Instructor**

*University of Tennessee, Knoxville*

- Developed curriculum with co-instructor and taught data science course to high school students from rural Tennessee as part of a project funded by National Institutes of Health (NIH)

2021            **EDPY 680: Advanced Educational Measurement (Psychometrics) Teaching Assistant**

*University of Tennessee, Knoxville*

- Assisted graduate-level students in and outside of class with concepts covering CTT, EFA/CFA, G-Theory, and IRT
- Taught class on introductory to R
- Taught class on Exploratory Factor Analysis

## Publications

### *Conference Proceedings*

- MacArthur, C. A., Graham, S., Harris, K., Philippakos, Z., **Narvaiz, S.**, Voggt, A., & Nefferdorf, E. (2019). The Challenges of Writing Using Sources: Strategy Instruction Research from Middle School to College. *American Reading Forum Conference Proceedings*, (40), 1-44.
- Traga Philippakos, Z. A., MacArthur, C. A., & **Narvaiz, S.** (2020). Middle school English language arts: Design and implementation of a unit on argument using genre-based strategy instruction. *American Reading Forum Yearbook*, 40, 1-29.

### *Manuscripts in Development*

- Narvaiz, S.** (Submitted- July 2021). COVID-19 Impact on University Orientations: Evaluating Virtual New Graduate Student Orientation Programs at a Research I University. *Target Journal: Journal of Student Affairs Research and Practice*.
- Butler, B., **Narvaiz, S.**, & Morrow, J. A. (submission goal—January 2022). Enhancing Academic English Writing Skills in International Doctoral Students: Is Virtual Training Helpful? *Target Journal: Journal of International Students*.

## Reports

- Narvaiz, S.**, & Boyd, A. (2020). 2020 New Graduate Student and Graduate Teaching Assistant Orientation Evaluation and Assessment Report. For the Graduate School at the University of Tennessee-Knoxville. (no Project #; 29 tables; 7 figures; no references; 68 pages)
- Narvaiz, S.** (2020). An Evaluation Report for Project GRAD Knoxville's College and Career Access Program: Parent Involvement Needs Assessment. For Project GRAD- Knoxville. (no Project #; 1 table; 7 figures; no references; 46 pages)
- Hull, D. M., & **Narvaiz, S.** (2018). Michigan Photonics and Lasers Technician Education and Training: 17-18 Formative Evaluation Report for the Advanced Technological Education Program. For Baker College. (no Project #; no tables; no figures; no references; 14 pages)

## Presentations

### *Professional Conference Presentations*

- Banks, A., Bland, D., Compton, K., McCollum, T., & **Narvaiz, S.** (Submitted—2021, November). *Prevalence of Mixed Methods and Qualitative Courses in Educational Assessment, Evaluation, and Research PhD programs* [Poster presentation]. Eastern Evaluation Research Society, Virtual Conference.
- Narvaiz, S.**, Boyd, A. (2021, October). *Welcoming New Graduate Students During COVID: Assessing Virtual Orientations* [Presentation]. IUPUI Assessment, Virtual Conference.

**Narvaiz, S.,** Boyd, A. (2021, June). *Welcoming New Graduate Students During COVID: Assessing Virtual Orientations* [Poster presentation]. NASPA, Virtual Conference.

**Narvaiz, S.** (2020, October<sup>1</sup>). *Methodological lessons and future considerations for maximizing parent survey response rates in a low-income community* [Paper presentation]. American Evaluation Association Conference 2020, October 27-20, Online.

**Narvaiz, S.** (2019, December). *Importance of Reflexivity in Qualitative Research* [Poster presentation]. The Qualitative Research Celebration of Learning, University of Tennessee.

### *Client Presentations*

**Narvaiz, S.** (2021, June). *Process Plan for Developing a Criticality Survey Tool*. Presentation for the leadership team at Service & Robotics Technology, Inc.

## Service

### *Conference Submission Reviewer*

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|------|--|
| 2021 | Society for Research on Educational Effectiveness (SREE) Conference  |
| 2020 | American Evaluation Association Conference <ul style="list-style-type: none"> <li>▪ Member of the 2020 PreK-12 Educational Evaluation Review Committee</li> <li>▪ Member of the 2020 Needs Assessment Review Committee</li> <li>▪ Member of the 2020 Graduate Student and New Evaluators Review Committee</li> </ul> |
| 2019 | American College Personnel Association - College Student Educators Conference <ul style="list-style-type: none"> <li>▪ Member of the 2020 ACPA Session Reviewers Committee</li> </ul>  |

## Grants

### *Not Funded*

**Narvaiz, S.** (Co-PI) & Morrow, J. A. (Co-PI) 2020 Fellowship Award. *Availability and Awareness of Upskilling Programs During Economic Shocks*. Society for Research on Educational Effectiveness (SREE). June 2020. (\$8,000)

**Narvaiz, S. (Co-PI)** & Spurgeon, S. L. (Co-PI). Friends of EPC Student Research Award. *College and Career Program Needs Assessment*. University of Tennessee Educational Psychology & Counseling Department. March 2019. (\$200)

## Honors/Awards

### *Awards*

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<sup>1</sup> Accepted but not presented due to 2020 COVID-19 pandemic

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|------|--|
| 2021 | Graduate Research Student Fellowship<br>Graduate School, University of Tennessee                               |
| 2021 | Continuing Research Award<br>Educational Psychology & Counseling Department, University of Tennessee           |
| 2020 | Travis Hawk Fellowship Award<br>Educational Psychology & Counseling Department, University of Tennessee        |
| 2019 | Emerging Scholar/Practitioner Award<br>Educational Psychology & Counseling Department, University of Tennessee |

### *Honors*

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|------|---|
| 2019 | Kappa Delta Pi<br>International Honor Society in Education, University of North Texas     |
| 2014 | Cum Laude<br>Honors Graduate, Texas A&M University  |
| 2014 | Phi Beta Kappa<br>National Liberal Arts Honor Society, Texas A&M University               |
| 2014 | Lambda Pi Eta<br>National Communication Association's Honor Society, Texas A&M University |

### **Research Skills**

- Collecting and analyzing quantitative data as related to education research and program evaluation
- Experience with statistical methodology including OLS regressions, ANOVA analysis, and research design
- Proficient in SPSS, STATA, R, and Excel for statistical analysis
- Collecting, analyzing, and synthesizing survey data for project planning and program evaluation
- Experience in collecting and coding qualitative data in CAQDAS platforms such as NVivo and Dedoose
- Experience in developing surveys in Qualtrics and QuestionPro
- Experience in writing program evaluation, research, and grant proposals
- Experience in writing program evaluation and research reports
- Experience in creating data visualizations for reports

### **Relevant Coursework**

Foundations of Education Research Methodology  
Educational Statistics  
Survey Research Methods in Education  
Grant Proposal Writing Techniques  
Foundations of Psychoeducational Measurement  
Statistics for Educational Research  
Foundations of Program Evaluation

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Research Methods in Education  
Applied Program Evaluation  
Qualitative Research Methodology  
Data Mining and Machine Learning  
Applied Psychometrics  
Inferential Statistics  
Data Science in Education  
Survey Sampling  
Bayesian Statistics (ICPSR)  
Causal Inference (ICPSR)  
Multi-level Modeling (ICPSR)