

Jackie Alvarez

Edstar, Inc.

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A. Professional Preparation

Wake Technical College

General Studies

A.S., 2018

B. Professional Certifications

CITI Program

Qualitative Data Analysis

November 2023

CITI Program

Survey Research

November 2023

UC Berkeley Executive Ed

Data Science: Bridging Principles and Practice

December 2022

C. Evaluation Specialist, Edstar Analytics

January 2014 - Present

- Acquired proficiency in Jamovi and Qualitative Comparison Analysis (QCA), enhancing data analysis processes.
- Completed coursework including Python programming, contributing valuable coding skills to the team.
- Skilled in Power Query for data manipulation and creating data dashboards and infographics for clear data presentation.
- Lead role in a DODEA grant evaluation, managing the project end-to-end.
- Represents the team in meetings and national conferences, enhancing company visibility and credibility.
- Independently handled sampling, methodology, and auditing for Global Teaching Partners data.
- Played a pivotal role in enhancing the team's data management and visualization capabilities.
- Developed strong client and public relations skills through effective representation at school meetings and conferences.

D. Publications and Presentations

Johnson, J., & Alvarez, J. (2024). *Social Emotional Learning Survey and Observation Tools for STEM Project-Based Learning: Technical Document*. Edstar Analytics, Inc.

Alvarez, J. (2024). "Data Findings and Analysis for Hoke County Schools." Presentation delivered to Hoke County Schools, Hoke County, NC.

E. Selected Program Evaluations

- **2 GEAR UP Statewide Grants:** Member of a team delivering evaluation services for GEAR UP programs in North Carolina and Mississippi, with each project receiving around \$27,000,000 over a span of seven years from the Department of Education. (2013 – present)
- **3 DoDEA STEM and Literacy Grants:** Project lead of a team evaluating three Department of Defense Education Activity (DODEA)-funded grants, each with a budget of \$2,000,000 over five years, aimed at enhancing STEM and literacy education. (2018 – present)
- **1 NSF ATE Grants:** Member of a team currently evaluating the grant for North Carolina's Edgecombe Community College for which we helped write the grant. (2023 – present)

- **1 NSF ExLENT Grant:** Experiential Learning for Emerging and Novel Technologies (ExLENT) grants for Miracosta Community College (2023 – present)
- **2 DOE HBCU Master’s Degree Program Phase I and Phase II:** Member of a team providing evaluation services for DOE HBCU STEM initiatives, with a budget of \$1,700,000. The Phase II grant is just beginning. Both phases include undergraduate research projects. (2017 – present)
- **1 ED NASANTI Grants:** Project leader for evaluation team for the University of North Carolina at Pembroke, with each grant valued at \$2,000,000 over five years. This grants all include undergraduate research projects. (2019 – present)
- **2 AmeriCorps Grant:** Assisted with research for an AmeriCorps grant. Developed online survey and assisted with statistical analyses for AmeriCorps research studies. (2023 – present)

F. Research Assistance

Support for research designs and analyses for doctoral dissertations and research:

- Turner, T. (2025). The challenges faced by faculty at Historically Black Community Colleges (HBCCs) during the COVID-19 pandemic, emphasizing the strain on work-life balance, job satisfaction, and productivity.
- Nichols, D. (2025). Non-traditional Community College Transfer Students

G. Skills

- Advanced proficiency in Python, Jamovi, and Power Query.
- Expertise in data visualization and dashboard creation.
- Strong leadership and project management skills.
- Effective in client and public relations.
- Independent in sampling and methodology.
- Experienced in designing and implementing online surveys for data collection.