

# D. Joe Carpenter M.S.

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## Research Analyst | Quantitative Data Specialist

### Professional Summary

Dynamic research analyst and psychology instructor with 2+ years of experience in quantitative research and online education. Specialized in data analysis and survey design, I excel in translating complex data into actionable insights, demonstrating adaptability and tech proficiency for remote engagement.

### Career Highlights

**Survey Design & Implementation:** Developed original survey methodology and managed data collection from 500+ participants, enhancing ecological validity and real-world applicability of results

**Complex Data Analysis:** Conducted statistical analysis on large, complex datasets using R, Python, and SPSS; served as primary statistical consultant, applying advanced quantitative methods including GLM, Bayesian modeling, and factor analysis

**Research Communication:** Authored research reports and manuscripts for academic and applied audiences; created data visualizations, tables, and charts to communicate complex findings; trained graduate students in research writing and proposal development

**Project Coordination:** Managed 3+ concurrent research projects with demanding timelines, coordinating with interdisciplinary teams and ensuring deliverables met stakeholder needs.

### Core Skills

- Survey Research Protocol Design
- Mixed Methods Research
- Manuscript Preparation
- Scoping Reviews
- Data Cleaning
- General Linear Modeling
- Bayesian Modeling
- Thematic Analysis
- Factor Analysis
- Python and R Programming Language
- SPSS
- Word, Excel, PowerPoint
- Qualtrics
- Poster Creation
- IRB Compliance
- Interdisciplinary Teamwork

### Experience

#### Graduate Research Assistant | UTC Psychology Department | Chattanooga, TN | August 2023 – May 2025

Managed concurrent research projects in the Cognitive, Aging, Learning, and Memory Lab, designed surveys, prepared data for analysis, conducted data analysis, authored research manuscripts, trained new research assistants in data cleaning protocols, maintained detailed documentation of all research activities.

- Led the team that developed an innovative survey instrument not previously applied within the discipline
- Led my first independent research project from design through conference presentation within a four-month time frame
- Oversaw 3 concurrent research studies and collaborated on at least five others simultaneously

#### Undergraduate Psychology Instructor | UTC Psychology Department | Chattanooga, TN | August 2023 – Present

Designed and delivered in-person and online instruction, developed syllabi, exams, lectures, and assignments to meet APA and institutional standards, Topics covered included Statistics, Research Methods, Introduction to Psychology

- Facilitated interactive classroom demonstrations to illustrate key psychological constructs for students
- Leveraged first-hand professional experiences to demonstrate targeted competencies
- Maintained a record of exceptional student feedback throughout each term

## **Research Methods Lab Coordinator | UTC Psychology Department | Chattanooga, TN | August 2024 – May 2025**

Managed Canvas setup for multiple instructors, ensured FERPA-compliant grading practices, hosted weekly instructional coordination meetings, and served as liaison between faculty and lab instructors.

- Developed the FERPA-compliant system to securely communicate grades between the Research Methods Labs and the lecture sections

## **Education**

### **Master of Science in Psychological Science**

University of Tennessee at Chattanooga | Chattanooga, TN

GPA: 3.875 | Psi Chi Honor Society

### **Bachelor of Science in Psychology**

Tennessee Wesleyan University | Athens, TN

GPA: 3.75 | Magna Cum Laude | President, Psi Chi | Horizon & Civic Scholarship Awards

### **Associate of Science in Social Sciences**

Cleveland State Community College | Cleveland, TN

GPA: 3.7 | Phi Theta Kappa Honor Society