

Casey Delehanty, Ph.D.

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I am a dedicated researcher and communicator with over a decade of experience and training deriving insights from data and communicating those insights to laypersons and experts alike. My research has been published in numerous high-tier peer-reviewed journals and featured in hundreds of national and international media outlets. I am also a skilled communicator, winning numerous awards for the quality of my instruction at the university level.

Work Experience

Assistant Professor (2016-2021)

Gardner-Webb University | Shelby, NC

- Published multiple quantitative research articles in high-tier peer-reviewed journals
- Developed and taught new methodologies for unstructured data
- Research and interviews featured in hundreds of regional, national, and international media outlets such as *The Washington Post*, *New York Times*, and *Der Spiegel*
- Won multiple awards for quality of leadership, mentorship, and communication
- Led and designed an original degree program focused on quantitative analysis
- Directed a team of junior researchers in data analysis and visualization
- Conducted code review for junior research team

Data Scientist (2011-2012)

Claude Pepper Institute at Florida State University | Tallahassee, FL

- Performed and refined ETL processes and data validation on healthcare and patient data
- Conducted multivariate regression analysis to assess the quality of assisted living centers
- Created data visualizations for use in presentations and white papers
- Co-wrote white papers and presented results to policymakers and practitioners.

Skills

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|------------------------|-----------------|-------------------|
| • Data Science | • Game Theory | • Python |
| • Regression | • A/B Testing | ○ Numpy |
| • Survey Design | • R and RStudio | ○ Pandas |
| • Experimental Design | ○ Tidyverse | ○ SciKit-Learn |
| • Data Collection | ○ GGplot | ○ Matplotlib |
| • Statistical Modeling | ○ RMarkdown | • Stata |
| | • Tableau | • QGIS |
| | • Alteryx | • MS Office Suite |

Education

Florida State University (Tallahassee, FL)

Doctorate and Master's,
Quantitative Political Science
2010-2016

Florida Gulf Coast University (Estero, FL)

Bachelor's
Political Science
2005-2009