

Hilary M. Dotson, Ph.D.

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Objective

To have a positive effect on the organization and its clients by applying my technical skills and creative acumen in a challenging, fast-paced environment.

Education

University of South Florida , Ph.D., Sociology	August 2014
University of Central Florida , M.A., Applied Sociology	May 2009
University of Central Florida , B.A., Sociology	May 2007

Additional Training

Data Science Specialization Certificates (with distinction) by Johns Hopkins University on Coursera (June – September 2015):

- *The Data Scientist's Toolbox; R Programming; Getting and Cleaning Data; Exploratory Data Analysis; Reproducible Research.*

Recent Employment History

Data Scientist November 2015 – Present

Center for Human Capital Innovation

- Led analytic efforts on Department of Homeland Security and commercial-client funded performance management projects
- Completed original research projects and reports using qualitative and quantitative research methods
- Presented analytic findings to technical and non-technical audiences
- Developed original surveys and interview schedules in support of projects
- Developed Performance Appraisal materials, including Performance Review questionnaires
- Worked directly with commercial clients to best serve their needs
- Assisted with performance management workshop development
- Assisted with proposal preparation and review

Instructor of Sociology

August 2011 – May 2015

University of South Florida – Department of Sociology

As Visiting Instructor:

- Taught Introduction to Sociology (2 sections), Medical Sociology (2 sections), Research Methods (2 sections), and Online Social Science Statistics to Sociology, Health Sciences, and Interdisciplinary Social Science majors
- Supervised two teaching assistants for Online Social Science Statistics
- Assisted with recertification of Social Science Statistics
- Served as Department of Sociology Colloquium Planning Committee member

As Graduate Teaching Associate (independent instructor):

- Taught Contemporary Social Problems (2 sections), Medical Sociology (4 sections), and Social Science Statistics
- Completed pedagogical training in the *Teaching Sociology* and *Preparing for College Teaching* seminars

Graduate Research Assistant

August 2009 – June 2011

University of South Florida – Department of Sociology

- Prepared manuscripts for presentation and publication in peer-reviewed journals, relevant to the funded study objectives (NIH-NIDDK Grant Number: 1R21DK081878-01A1)
- Conducted secondary data analysis of the National Longitudinal Study of Adolescent to Adult Health (Add Health)
- Examined social consequences of overweight and obesity in adolescence and early adulthood
- Utilized SAS and Stata to program and conduct data analysis including merging, recoding variables, survey procedures, univariate and bivariate analyses, and multiple regression
- Conducted non-participant observation (ethnographic fieldwork) in preschool settings

Skills and Software Proficiency

Survey Research and Quantitative Data Analysis: Survey design, question formation, sampling procedures; descriptive statistics; inferential statistics (e.g., t-tests, one-way ANOVA, correlation, chi square, regression models (OLS, logit models [binary, ordered, multinomial], count models [Poisson, negative binomial], and Heckman selection models)

Qualitative Research and Data Analysis: In-depth interviewing, interview schedule design, ethnographic fieldwork (non-participant), focus groups, grounded theory, thematic analysis

Software: SAS (5 years; data cleaning, recoding, merging, and survey-adjusted data analysis), Stata (8 years; data cleaning, recoding, and survey-adjusted data analysis), SPSS (8 years, data cleaning and data analysis, limited programming), MS Office Suite (Word, Excel, PowerPoint, Outlook), Google Drive

References and complete C.V. are available upon request