

Hilary M. Dotson, Ph.D.

hilary.dotson[at]gmail.com | www.hilarydotson.com

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

Previous Research Areas

- Youth, health, education, social stratification, quantitative methods, qualitative methods
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Recent Employment History

Data Scientist November 2015 – Present

Center for Human Capital Innovation

- Led analytic efforts on two Department of Homeland Security funded projects
- Completed original research reports using qualitative and quantitative research methods
- Developed original surveys and interview schedules in support of projects
- Assisted with analytic discussions and reviews of proposals

Visiting Instructor of Sociology

August 2014 – May 2015

University of South Florida – Department of Sociology

- 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

Graduate Research Assistant

May 2014 – August 2014

Emory University – Department of Global Health

- Conducted descriptive secondary analyses of the National Longitudinal Study of Adolescent to Adult Health
- Employed a public health approach toward body weight and changes in weight over time

Graduate Teaching Associate

August 2011 – July 2014

University of South Florida – Department of Sociology

- 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
- 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 (6 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)

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.*

References and complete C.V. including list of publications and conference presentations available upon request