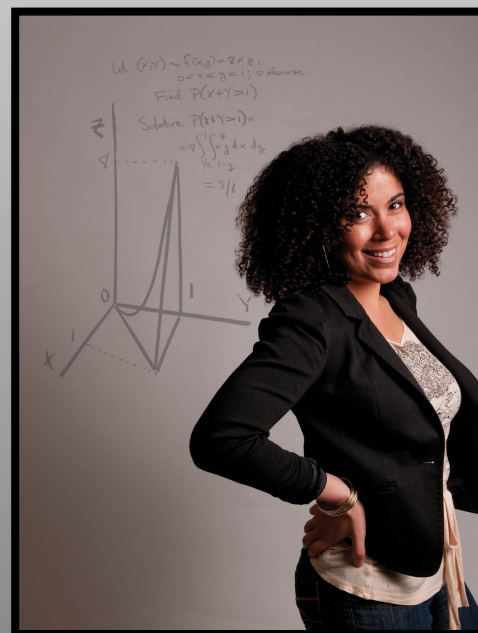# Chandra Erdman, Ph.D.

BIO – Chandra Erdman works as a Mathematical Statistician in the Center for Statistical Research and Methodology at the U.S. Census Bureau. As an undergraduate, Dr. Erdman studied mathematics and economics, and in 2009 became the first African American to obtain the Ph.D. in statistics from Yale University. During her time at Yale, she developed the statistical software package "bcp: Bayesian Change Point," on which she has published articles in the Journal of Statistical Software and Bioinformatics.

The Other Nine Years: Research at the U.S. Census Bureau

ABSTRACT – It is the Census Bureau's mission to serve as the leading source of quality data about the United States population and economy. The information produced by the U.S. Census Bureau affects important public policy decisions that help improve the nation's social and economic conditions. Although the Decennial Census is the largest and most familiar undertaking of the bureau, its mission is carried out by many large-scale surveys and censuses. This talk gives a brief overview of the research conducted at the U.S. Census Bureau. Research areas and activities include questionnaire design, survey sampling, time series estimation, missing data methods, and disclosure avoidance. In addition, we discuss the statistical techniques used to estimate survey response rate variation across interviewers, surveys, and geographic areas.

February 20, 2013
2:30 – 3:20PM

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