



HUMBOLDT STATE UNIVERSITY

DEPARTMENT OF MATHEMATICS

Spring 2019 Colloquium Series

Applied Approaches to Missing Data

Dr. Chris Aberson



A common problem in data analysis involves missing data. In my field (Psychology), participants leave questions blank or may fail to attend one of multiple sessions. Historically, researchers employed a variety of approaches to address these issues – deletion of incomplete cases, imputing mean values for missing data, or imputation using predictions from regression models. Recent work demonstrates that traditional approaches are flawed. In this talk, I address common approaches and demonstrate the superiority of modern techniques such as multiple imputation and maximum likelihood estimation. This talk provides and demonstrates non-technical and simple-to-use tools for dealing with missing data as well as a discussion of applications of such approaches. All talk materials and code can be found at <https://osf.io/zvnc4/>

Chris Aberson is currently Professor of Psychology at Humboldt State University. He earned his Ph.D. at the Claremont Graduate University in 1999. He has taught statistics and quantitative methods since 1995. He currently serves as Editor-in-Chief for *Analyses of Social Issues and Public Policy*. His book, *Applied Power Analysis for the Behavioral Sciences* was first published in 2010 with a 2nd edition out this month. In 2016, he ended a 25-year long relationship with SPSS and is now in a meaningful relationship with R.

Thursday, February 21, 2019

BSS Room 166, 4:00 PM

To view this poster online, go to <http://www.humboldt.edu/math/news-and-events/math-colloquium>
We cordially invite you to the Pre-Colloquium Tea on the third floor of the BSS building at 3:30 pm on Thursday.