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Olmsted Hall 420  
January 15<sup>th</sup> 2019  
3:45-4:45pm

*Reception in Olmsted 1331  
at 3:15 P.M.*



# “DYNAMIC TEXT NETWORKS”

FOR MORE INFORMATION ABOUT THIS SEMINAR, VISIT

[STATISTICS.UCR.EDU/COLLOQUIA.HTML](http://STATISTICS.UCR.EDU/COLLOQUIA.HTML)

## Abstract

Many applications (the Internet, Wikipedia) concern networks of documents. We mine the corpus that consists of all U.S. political blog posts in 2012. We use recent advances in dynamic network modeling to improve the topic discovery, and recent research on text mining to improve the network modeling. We describe a preliminary analysis based on the subset of blog posts that concern the shooting of Trayvon Martin, and then a full analysis of the entire corpus, at a coarser level of resolution.

## Biography

David Banks is the Director of the Statistical and Applied Mathematics Institute, and a professor in the Department of Statistical Science at Duke University. He obtained his PhD in statistics from Virginia Tech in 1984, then did a two-year postdoctoral fellowship at the University of California at Berkeley. He taught at Carnegie Mellon University and the University of Cambridge, was chief statistician at the U.S. Department of Transportation, and also worked at the National Institute of Standards and Technology and at the Food and Drug Administration. He is a former editor of the Journal of the American Statistical Association and a founding editor of Statistics and Public Policy. He works in risk analysis, dynamic models for text networks, human rights statistics, and some aspects of machine learning.