BIOSTATISTICS SEMINAR

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Difficulties with p-values in Diverse Data Settings

With the background of the 2016 statement of the American Statistical Association on null hypothesis significance testing and the 2019 supplementary issue of related articles in the *American Statistician*, I consider a wide range of the use of p-values beyond simple hypothesis testing. I consider the diverse settings of sequential analysis of clinical trials, multiple testing of secondary and exploratory endpoints, detection of fraudulent randomization, validity of patent claims, and estimation in the presence of dependent truncation. Each of these highlights complexities and limitations of p-values, and the need for cautious interpretation and reliance upon them.

Thursday October 31, 2019　　　　　　　**3:30 pm - 4:30 pm**
Blue Cross and Blue Shield of North Carolina Foundation Auditorium

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