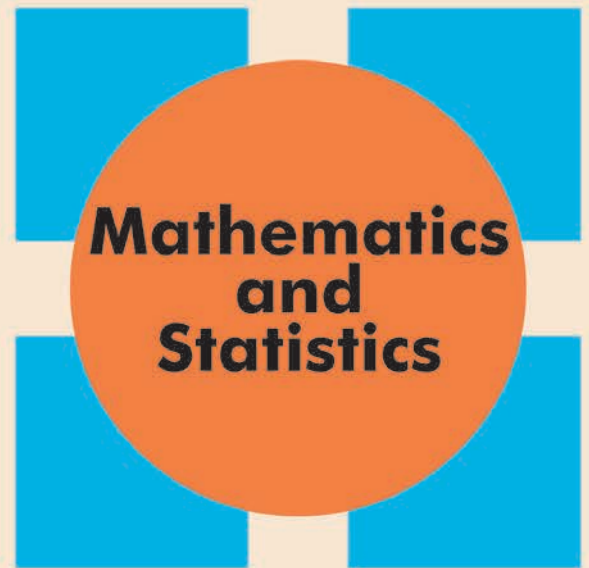


# COLLOQUIUM

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## Post Selection Strategies in Big Data



Date: January 31, 2017

Time: 2:00 - 3:00 PM

Room: RI 209

**Abstract:** Nowadays a large amounts of data can be collected and stored, and the need for novel statistical strategies that can be effectively implemented to analyze such data sets is the need of the time. This talk is geared towards making contributions to the development of statistical and computational strategies for Big Data. The existing estimation methods tend to often ignore contributions from weak signals. However, in reality, there are many predictors who may provide useful information for prediction, although the amount of such information in a single covariate might be small. The search for such signals, sometimes called networks or pathways, this is an important topic for those working on personalized medicine. In this talk, we discuss a new post selection shrinkage estimation strategy that takes into account the joint impact of both strong and weak signals and open pathways for further research in Big data arena.