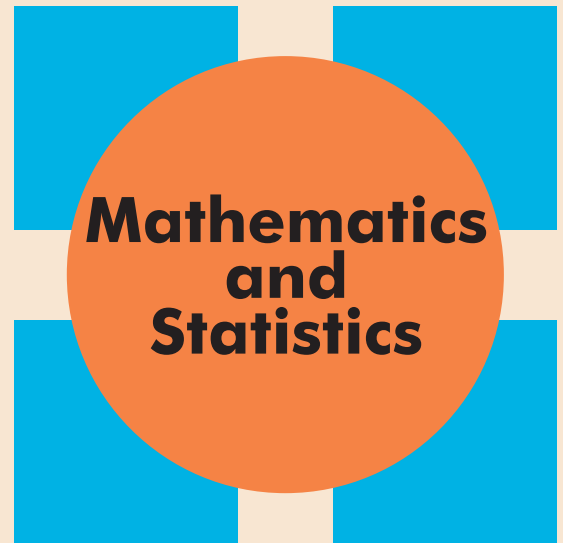


# COLLOQUIUM

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**Pseudo-likelihood for  
regression analysis with  
nonmonotone missing at  
random data**



Date: Friday October 25, 2019

Time: 3:30 - 4:30 PM

Room: RI 208

**Abstract:** This research considers missing data problems in statistical analysis. First, I will talk about the difficulties in statistical analysis with missing data. Then, I will briefly review the three popular approaches for the missing data problem, including multiple imputation, maximum likelihood, and augmented inverse probability weighting, and talk about the advantages and the limitations of these methods. Finally, I will introduce a new pseudo-likelihood for regression model with nonmonotone missing at random data. Some numerical results from simulation studies and a real data example will be presented.