

“Making Progress on Model Selection in Two Complex Settings - A Look at Mixed Models and High Dimensional Models”

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ABSTRACT

Model selection has been a long standing problem in statistics. Two newer challenging areas of analysis where recent advances in model selection have been made include mixed model selection and high dimensional model selection. The former has applications to many areas of biostatistics, small area estimation, and animal breeding among other areas. The latter has applications in areas like genomic research. In this split talk, I'll detail some advances we've made in developing new methods for model selection in both of these paradigms. Some of the research has a Bayesian flavor to it and some of it not.