Colloquium announcement

“From variable selection to differential Bayesian networks”

Presented by
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Tuesday, March 28, 2017
300 Seitz Hall
3:30 p.m.

Abstract: Selecting variables potentially associated with a variable of interest is an important step toward successes of inferences and correct identification of risk factors. Variable selection itself is of great interest and it is also an essential component in the construction and testing of Bayesian networks (directed acyclic graphs). In this talk, I focus on our recently developed variable selection methods in linear models, and methods for testing differential Bayesian networks. The advantages of the methods are theoretically justified and demonstrated via simulations. We apply the methods to genetic and epigenetic data.

Hosted by the
Department of Statistics
Virginia Tech
Please join us after the colloquium for refreshments at
Top of the Stairs (217 College Ave.)