



Statistical Sciences  
UNIVERSITY OF TORONTO

## SEMINAR

November 12, 2015 at 3:30pm

*\*Refreshments at 3:10pm*

Sidney Smith Hall, Room 1087

Speaker: Todd Kuffner, Washington University in  
St. Louis

Host: Nancy Reid

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### **A Unified Framework for Bayes Factor Asymptotics**

There has recently been a surge in interest regarding the consistency property of Bayes factors in settings other than the classical setting of comparing nested parametric models. For example, recent studies have considered comparing nonparametric, parametric and semiparametric models.

We propose a unified framework for studying Bayes factor consistency which avoids approximation of marginal likelihoods, elucidates the ideas driving the consistency property in each setting, and allows for easy comparison of Bayes factor asymptotics across different model frameworks.

This talk is based on joint work with Siddhartha Chib.