

## WING H. WONG

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## Bayesian Partitioning Density Estimation and Unsupervised Learning

MONDAY, November 9, 2015, at 4:00 PM Eckhart 133, 5734 S. University Avenue *Refreshments following the seminar in Eckhart 110.* 

## ABSTRACT

By constructing suitable prior measures in the space of simple functions, we have developed a Bayesian approach to infer multivariate densities nonparametrically. After reviewing the theoretical properties and computational aspects of these estimates, we will discuss how the estimates can be used as building blocks to design methods for other statistical tasks such as clustering. Applications to image analysis and flow cytometry will be presented.

For further information and about building access for persons with disabilities, please contact Kirsten Wellman at 773.702.8333 or send email (kwellman@galton.uchicago.edu). If you wish to subscribe to our email list, please visit the following website: https://lists.uchicago.edu/web/arc/statseminars.