

MASTER'S SEMINAR ANNOUNCEMENT
Department of Statistics

A Shape Restricted Nonparametric Method with Financial Applications

Tuesday, May 25, 2004 at 2:00pm
Eckhart Hall, Room 110, 5734 S. University Avenue

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ABSTRACT

In economics theory, many financial objects are assumed to follow stationary processes. Our empirical study supports assumptions that some financial processes have unimodal stationary distributions. This paper extends results from Rao (1969), and the asymptotic properties of Grenander MLE are studied under the new setting of stationarity. Financial applications of the method are demonstrated with the SP500 equity index.