

1023-97-677

**Zhao Chen\*** (kchen@fgcu.edu), College of Arts and Sciences, WH 204, 10501 FGCU Blvd South, Fort Myers, FL 33965. *The Reasoning of Bayesian and Empirical Bayes Analysis in Undergraduate Statistics Education.*

This paper focuses on the necessity of introducing the fundamental philosophy of Bayesian analysis in undergraduate statistics education. As an alternative to classical statistics method, Bayesian approach provides a different perspective on statistical thinking. Nowadays there is an obvious trend of growing applications of Bayesian analysis. Therefore, it becomes critical to show our students another possible approach to solve some realistic problems. (Received September 20, 2006)