

1125-VP-1651 **Bhikhari P Tharu*** (btharu@spelman.edu), 350 Spelman Ln SW, Spelman College, Department of Mathematics, Atlanta, GA 30314. *Bayesian Method for Histogram Smoothing.*

We will discuss about Bayesian estimation of probabilities in a histogram. Probabilities are closed to each other with neighboring intervals has been assumed for prior. Multivariate logit transformation has been used with covariance matrix similar to first order autoregressive process. Decomposition of components of covariance matrix has been implemented to update information for posterior. (Received September 18, 2016)