

# Introduction to Bayesian Statistics

1. Introduction to Bayesian Inference
2. Some foundational arguments
3. Inference for one parameter model: Binomial and Poisson
4. Monte Carlo Approximation
5. Normal model
6. Gibbs Sampler

*All examples of models and Bayesian estimation techniques will be oriented to BigData problems.*

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Reference Text book: Peter D. Hoff (2009) *A First course in Bayesian Statistics*, Springer.