

STAT 8410: Bayesian Statistics

Prior distributions, Posterior distributions, Conjugate priors, the Metropolis-Hastings algorithm, the Gibbs sampler, Markov chain Monte Carlo, Convergence diagnostics, Credible Intervals Hierarchical modeling, Differences between Bayesian and frequentist inference.

Credits: 3.0

Prerequisites:

(MAT 4310 or STAT 4310 or MAT 7404 or STAT 7404) and (MAT 5700 or STAT 5700 or MAT 8400 or STAT 8400)

Program: [Mathematics and Statistics](#)