

## Adaptive MH package

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The MHadaptive package is an easy to use package in R that will run a complete Bayesian Metropolis Hastings MCMC algorithm. All you have to do is specify the likelihood function (the likelihood times the priors)! It also has a great plotting function that produces the traceplots of the parameters and histograms of posterior densities.

Additionally, you can get quick posterior credible intervals from the built-in function BCI(). Here is an example of using this function to estimate regression coefficients in a Poisson model for bird counts using two covariates [MHadaptive.script.R](#). The data contains counts of Willow Tit from the Swiss Breeding Bird Survey [wt.count.txt](#).

A description of the package can be found here [brG1kd-MHadaptive.pdf](#), and a linear regression example using this package is described on the following webpage <http://bayesianbiologist.com/2012/02/06/general-bayesian-estimation-using-mhadaptive/>.