



Estimating valid standard errors for the Bayesian Lasso

Goal

- Improve the estimate of posterior variances

Context

- Linear regression models

Method

- Post-processing of variational Bayes (VB) estimated model parameters

Contributions

- **1000x faster** than MCMC
- Works in high dimensions ($p > n$)
- **Valid standard error** estimates
 - our method (black) matches gold standard MCMC (red) when existing method fails (blue)

