R code example for fast computing algorithm

Shiqiang Jin and Gyuhyeong Goh

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Chapter 1

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This is a supplementary document of a couple of R code examples displaying the time costs using for-loop method compared with fast computing algorithm in the paper **Bayesian best subset selection by hybrid search under multivariate regression model of high dimensional data**.

The R code examples compute marginal likelihood functions only in addition neighbor of the current model as the code for deletion neighbor is similar. The running time of executing fast computing algorithm and for-loop method is recorded to demonstrate the high efficiency of the proposed method.