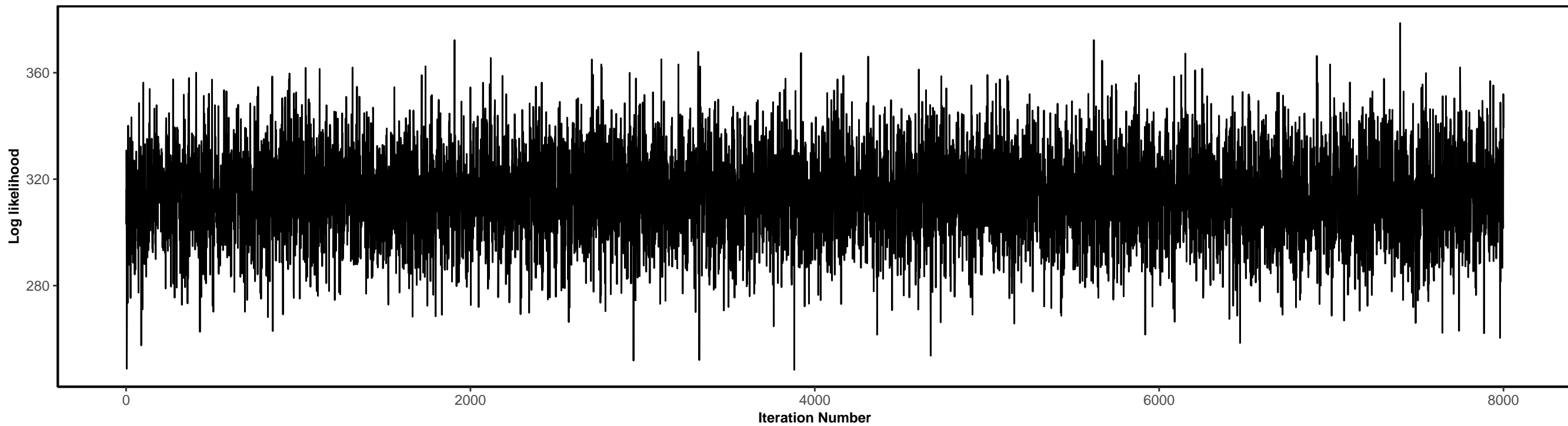
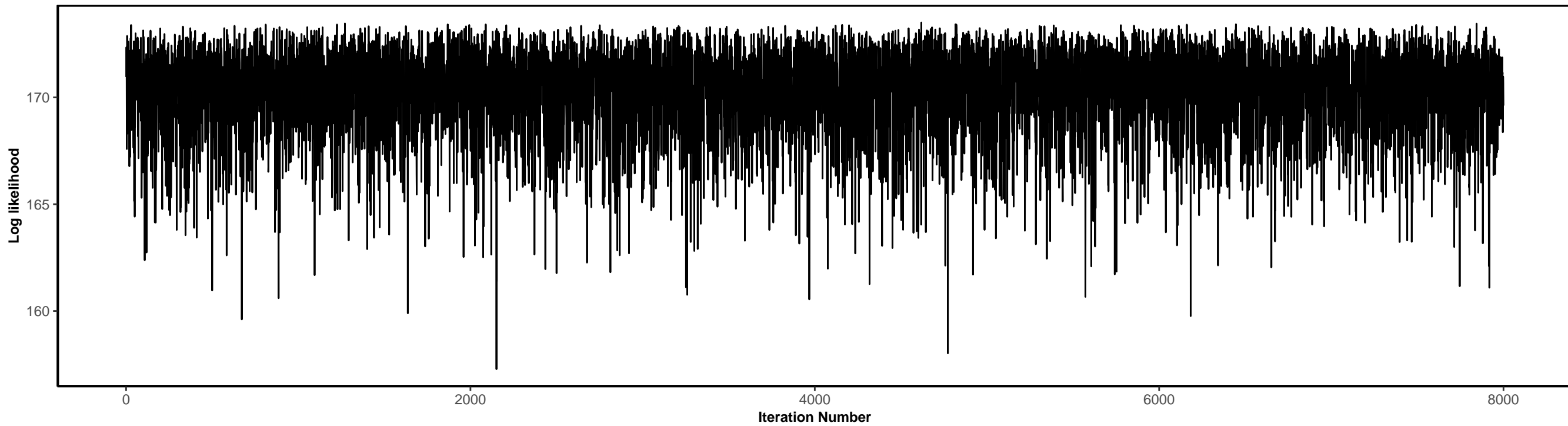


Log-likelihood plot spatial and non-spatial regression

Trace of Log-likelihood from point-level spatial model

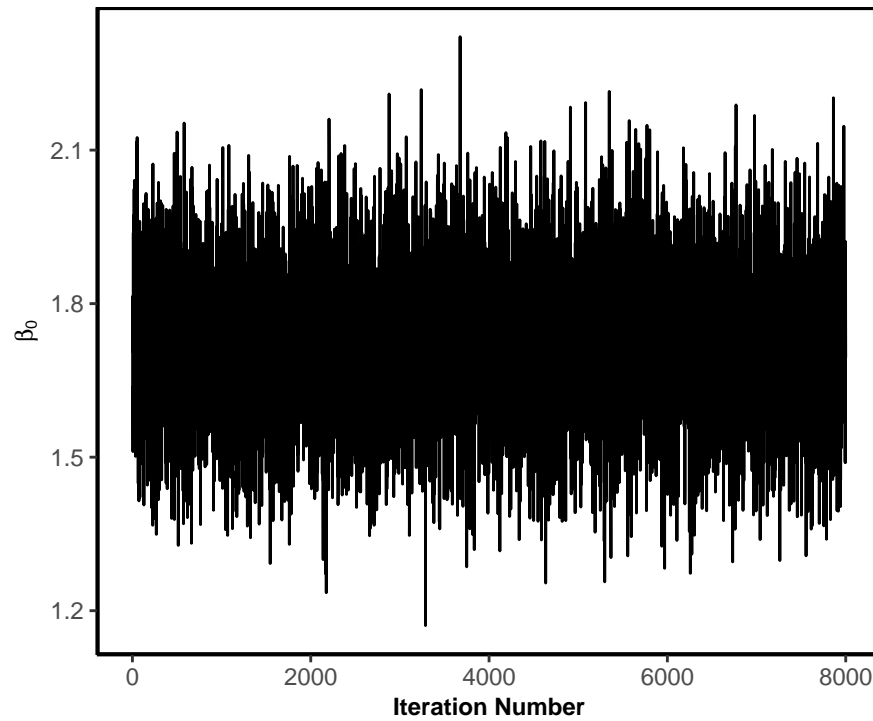


Trace of Log-likelihood from non-spatial regression

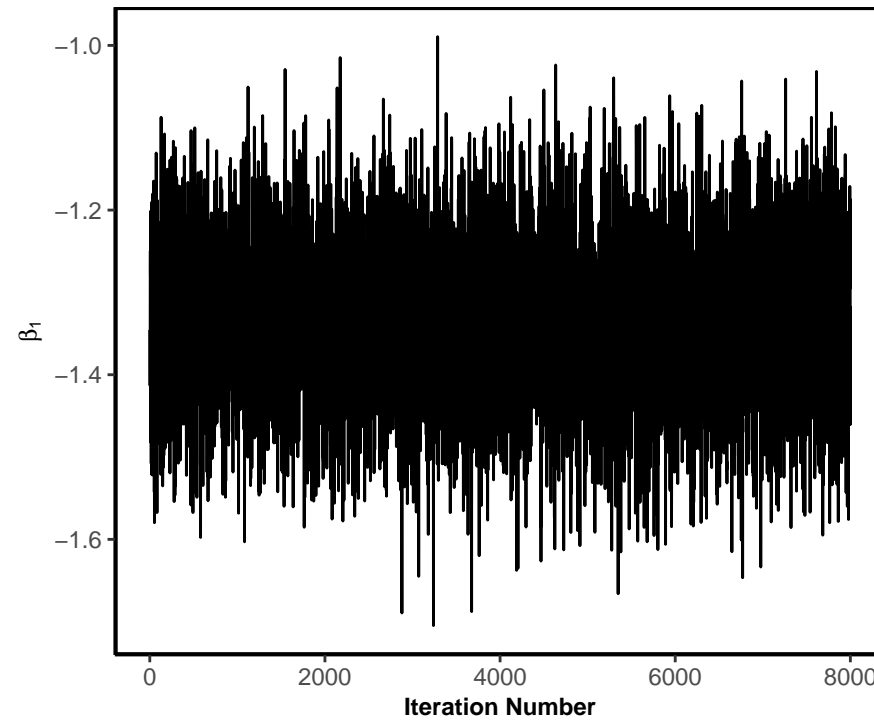


Trace plot of parameters from spatial point level regression

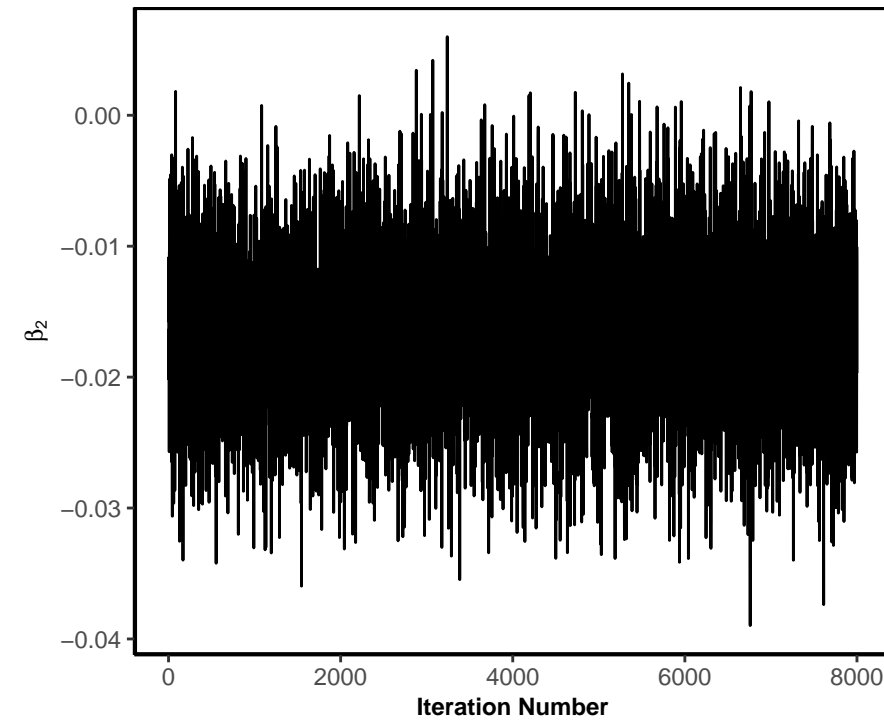
Trace of β_0



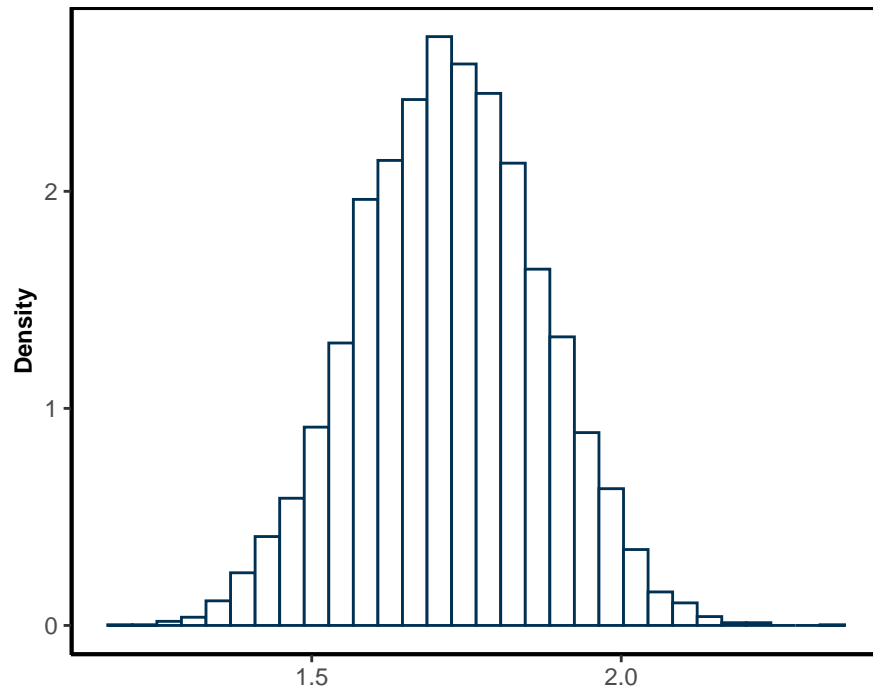
Trace of β_1



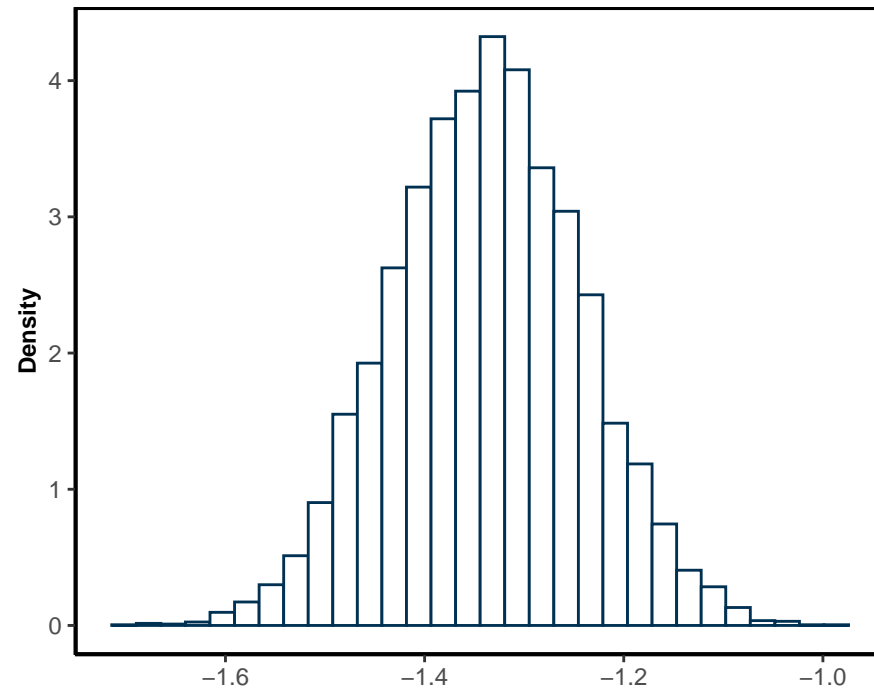
Trace of β_2



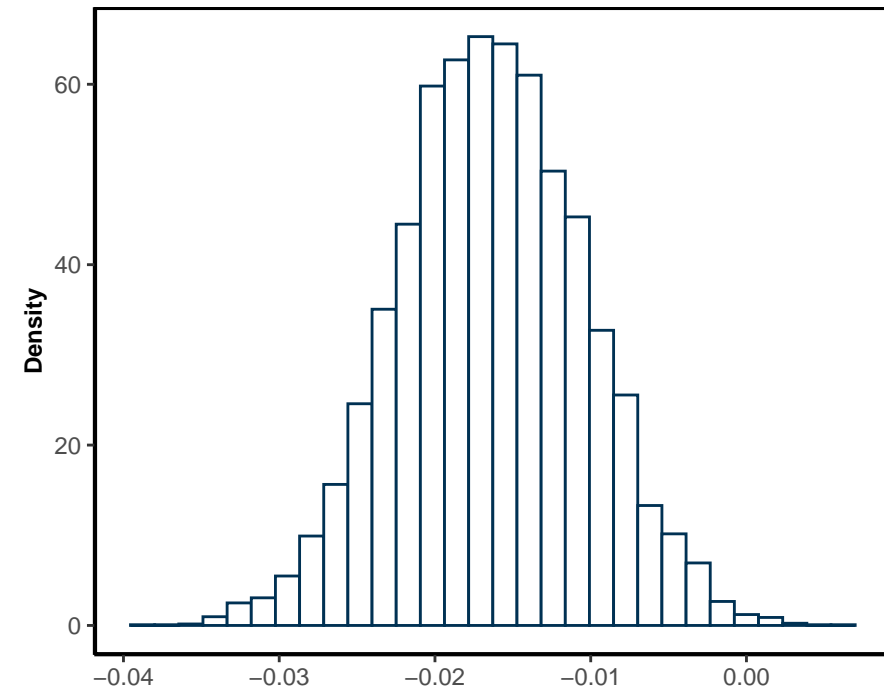
Density of β_0



Density of β_1

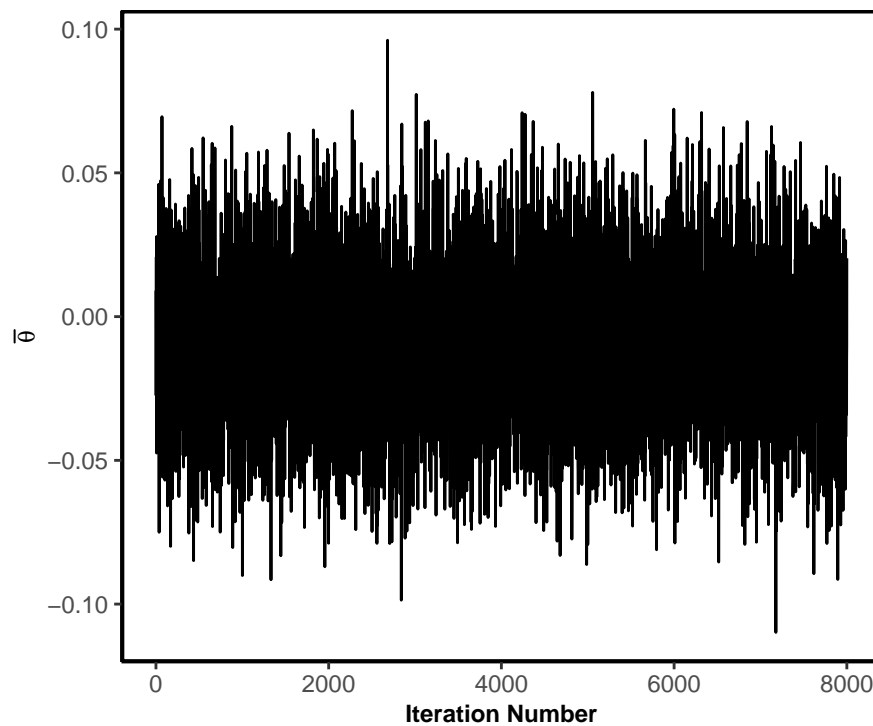


Density of β_2

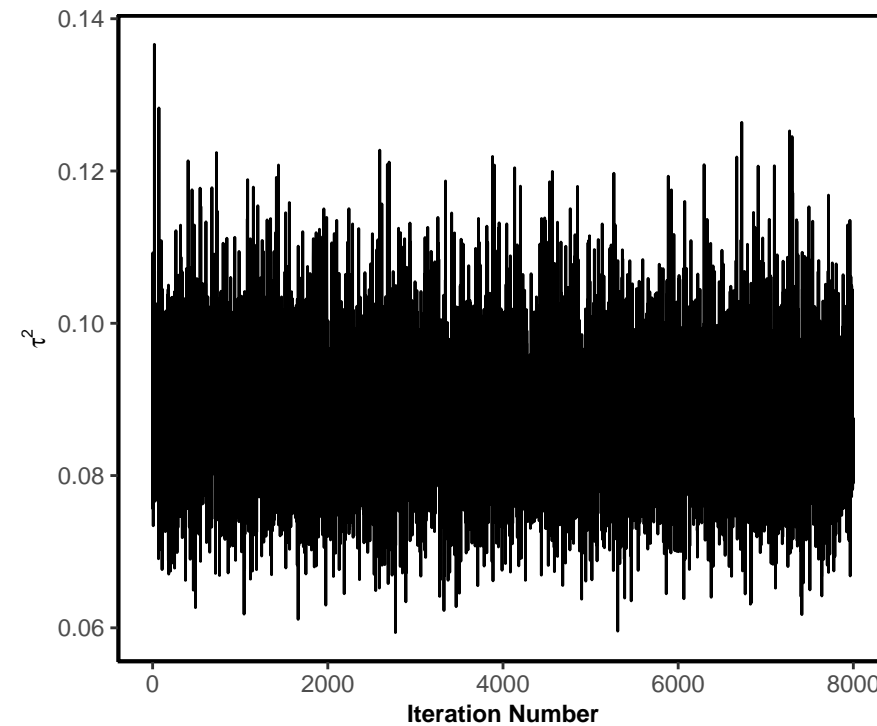


Trace plot of parameters from spatial point level regression

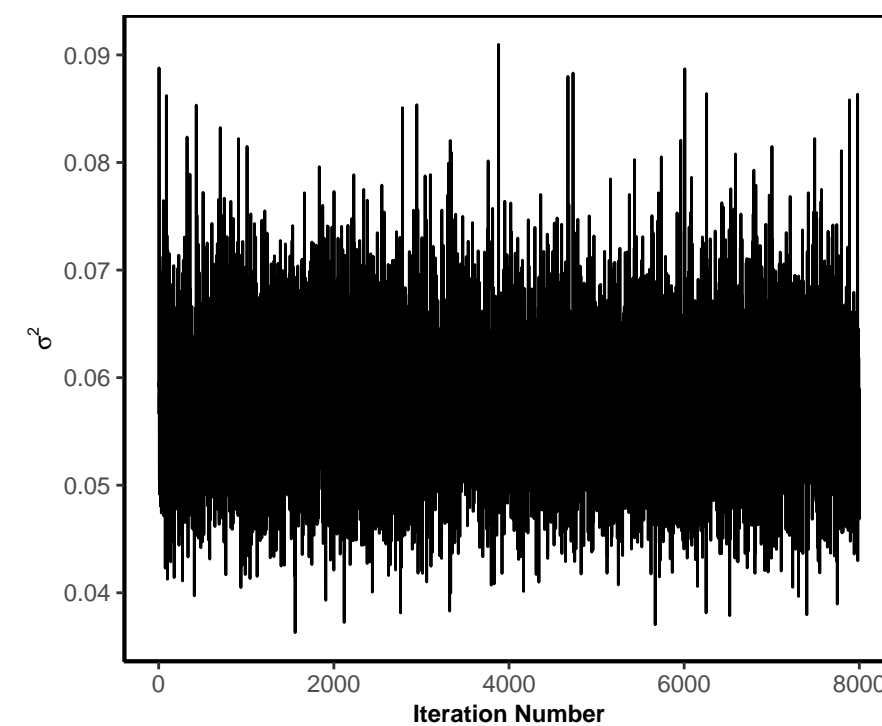
Trace of $\bar{\theta}$



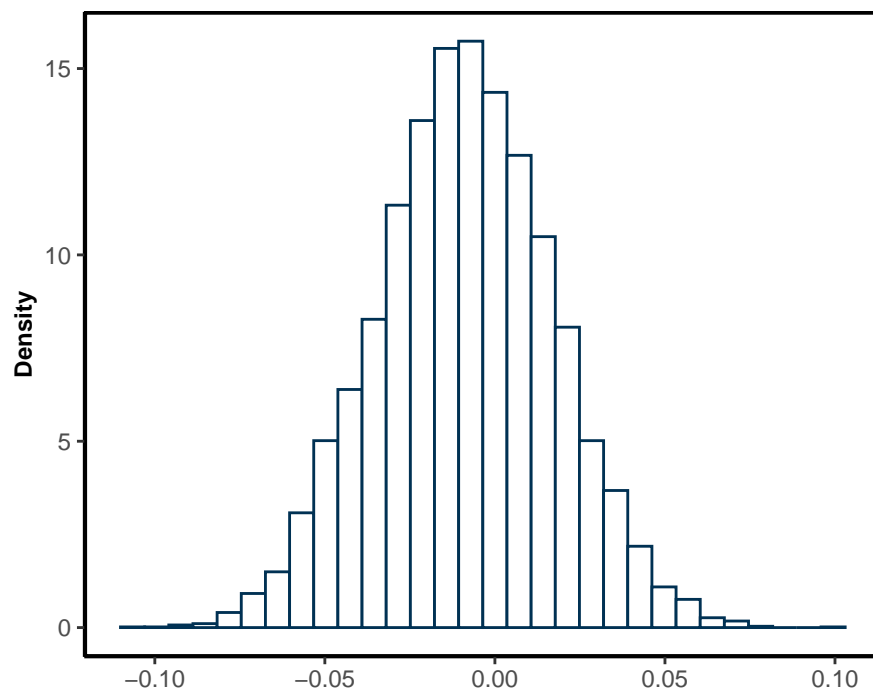
Trace of τ^2



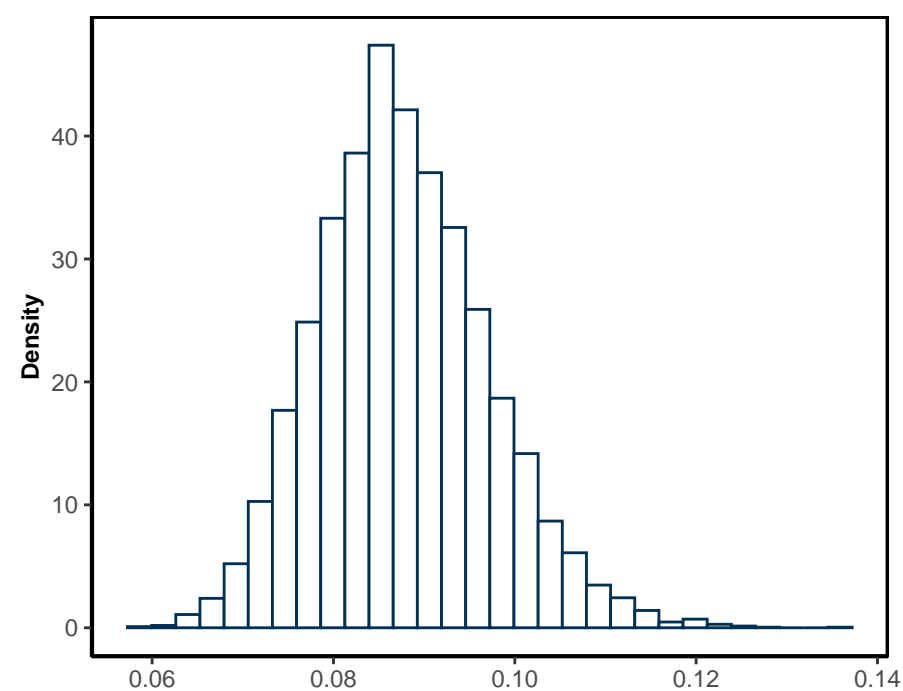
Trace of σ^2



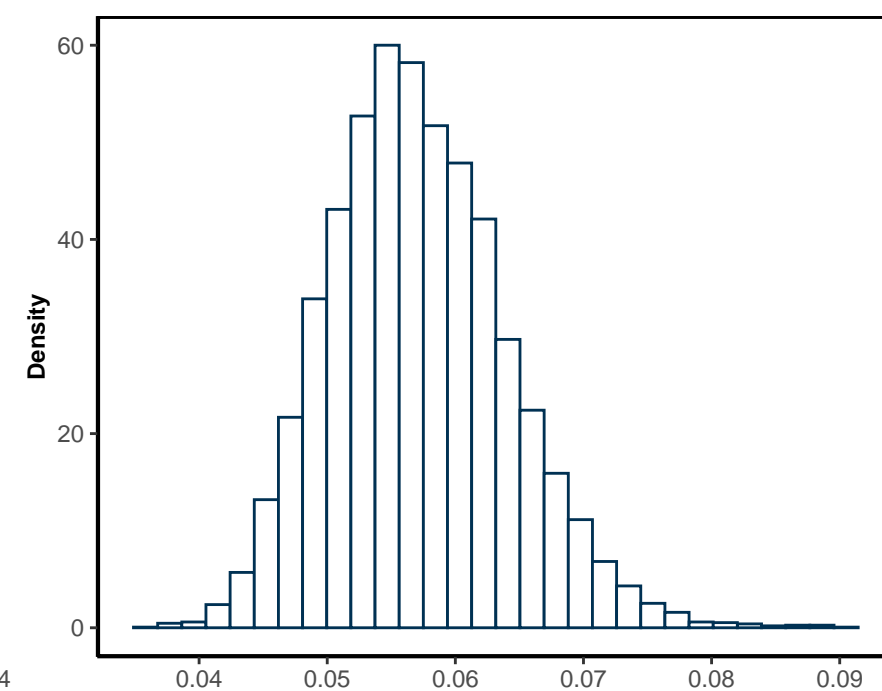
Density of $\bar{\theta}$



Density of τ^2

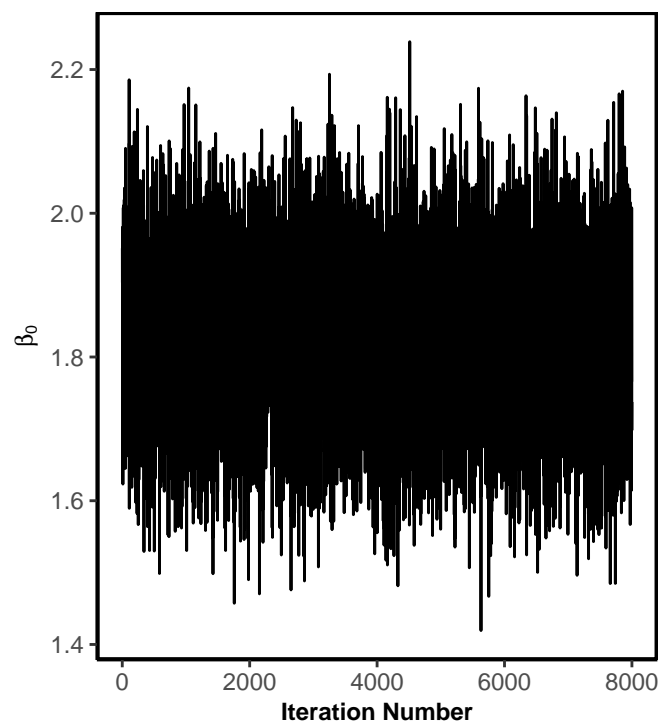


Density of σ^2

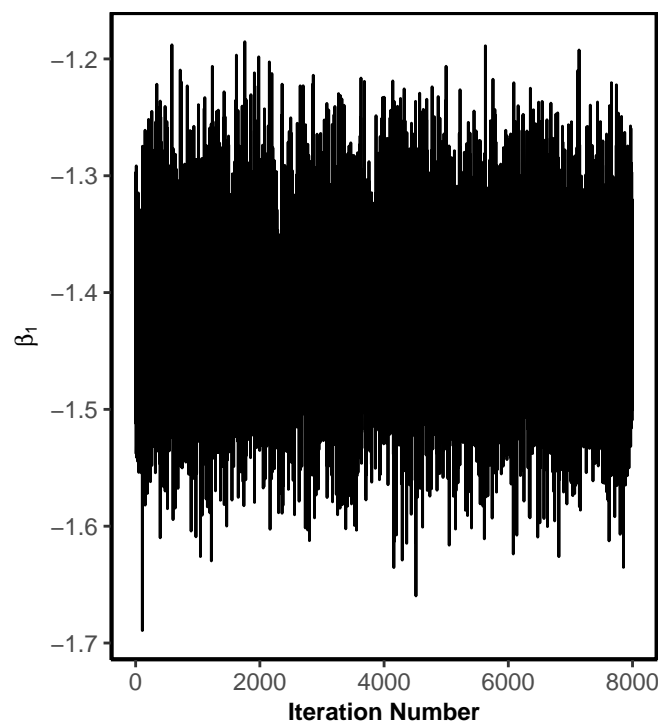


Trace plot of parameters from non-spatial regression

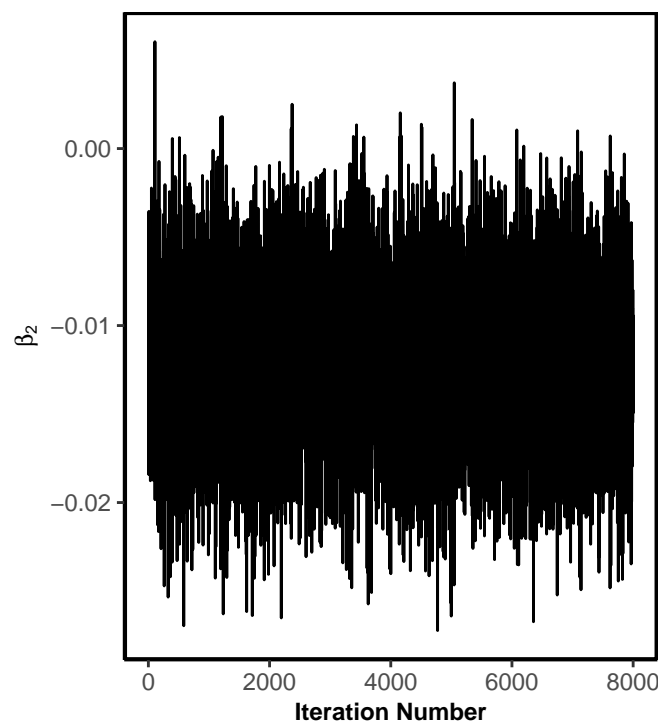
Trace of Non-spatial β_0



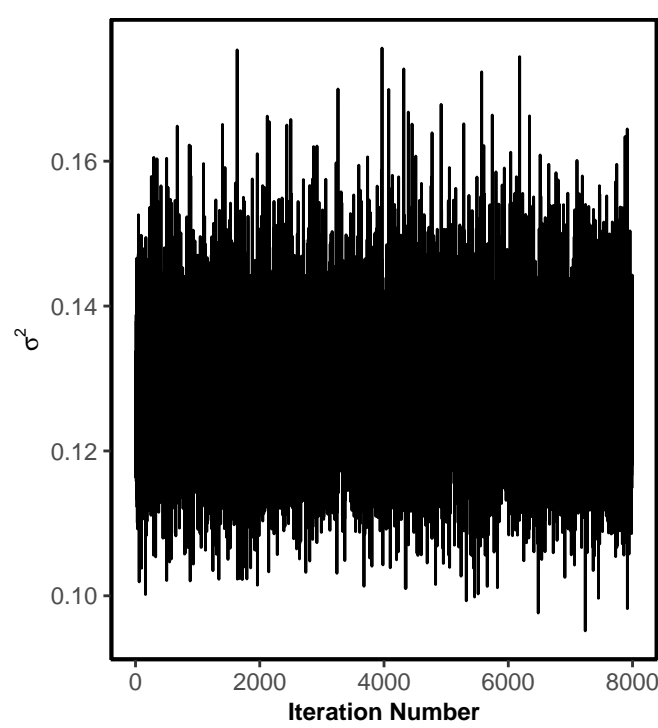
Trace of Non-spatial β_1



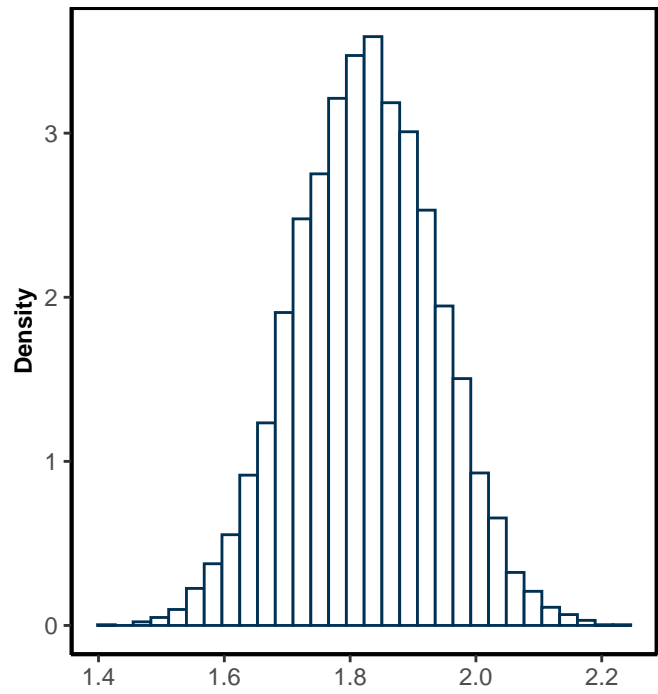
Trace of Non-spatial β_2



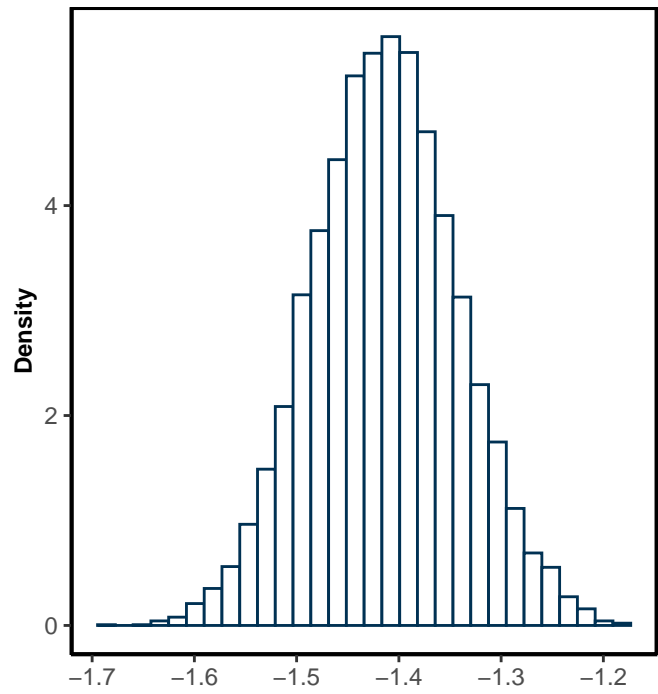
Trace of Non-spatial σ^2



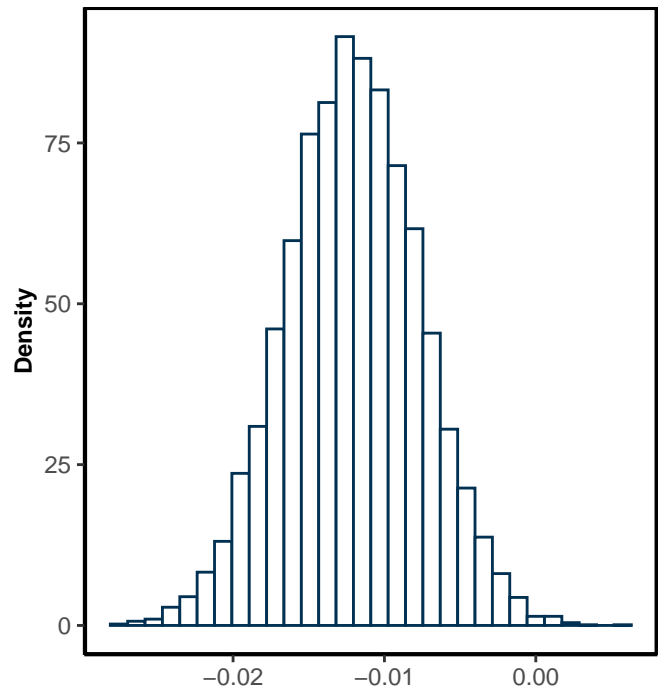
Density of β_0



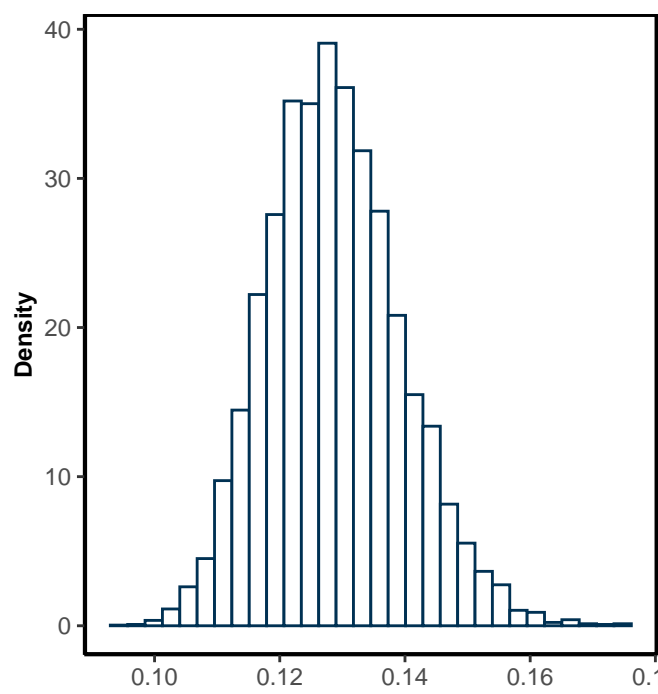
Density of β_1



Density of β_2



Density of σ^2



Distribtuion of prediction(with true response) using spatial and non-spatial regression (median and 90% credible interval)

Non-spatial regression Spatial regression

