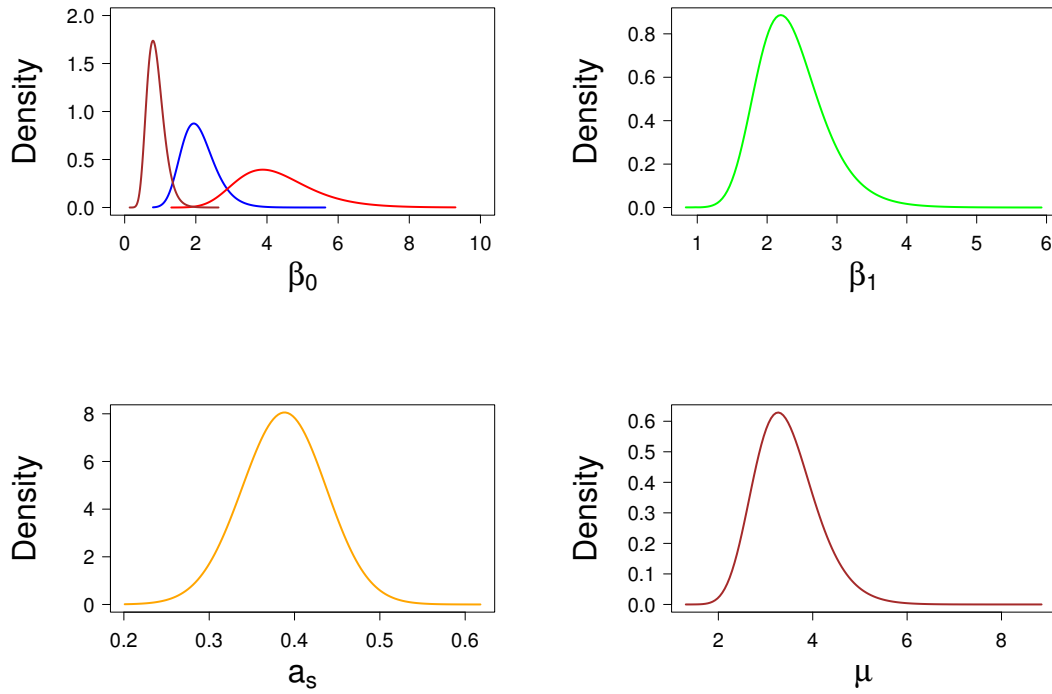


## Supporting Information Text S6

### Full marginal Posterior densities for model 1-P<sub>0</sub>



Marginal posterior densities for  $\beta_0, \beta_1, a_s$  and  $\mu$  on the real scale using the informative prior for  $\mu$  with mean=1.2 and sd=0.2. For  $\beta_0$  brown is urban, blue is border and red is periurban.