i=observation

s=species

Let be the i-th presence/absence observation for species s. We assume that:

We assume that the regression parameters have the following prior:

where is a group indicator and is a diagonal matrix comprised of elements

We specify the following priors:

This model clusters random-effects that are alike.

#------------------------------------------------

Full conditional distributions

* For

This implies that

* For

This implies that

* For

This implies that

* For

Taking log this becomes:

To propose a new group, we note that:

Taking log this becomes:

* For

This implies that