Priors

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

**FCDs**

* FCD para

For variational inference:

We define:

* FCD para

where and

For variational inference:

Where

Where

Another way of deriving this is:

* FCD para

Where

For variational inference:

Where

Another way of deriving this is . In other words, is the proportion of 1’s assigned to group k in location l.

Another way of deriving this is