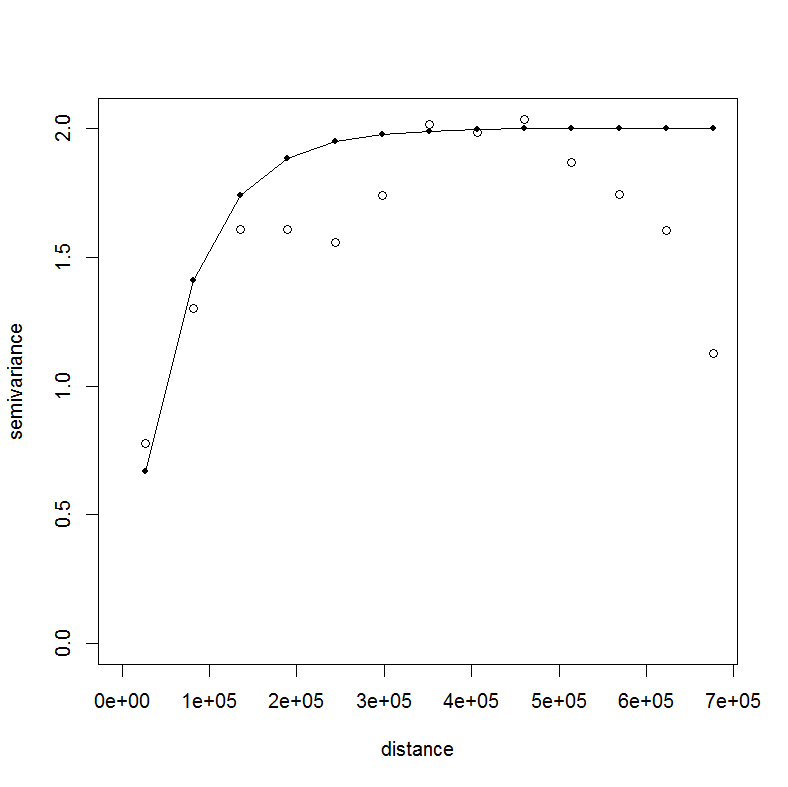
Software in R that isn’t necessarily MCMC:

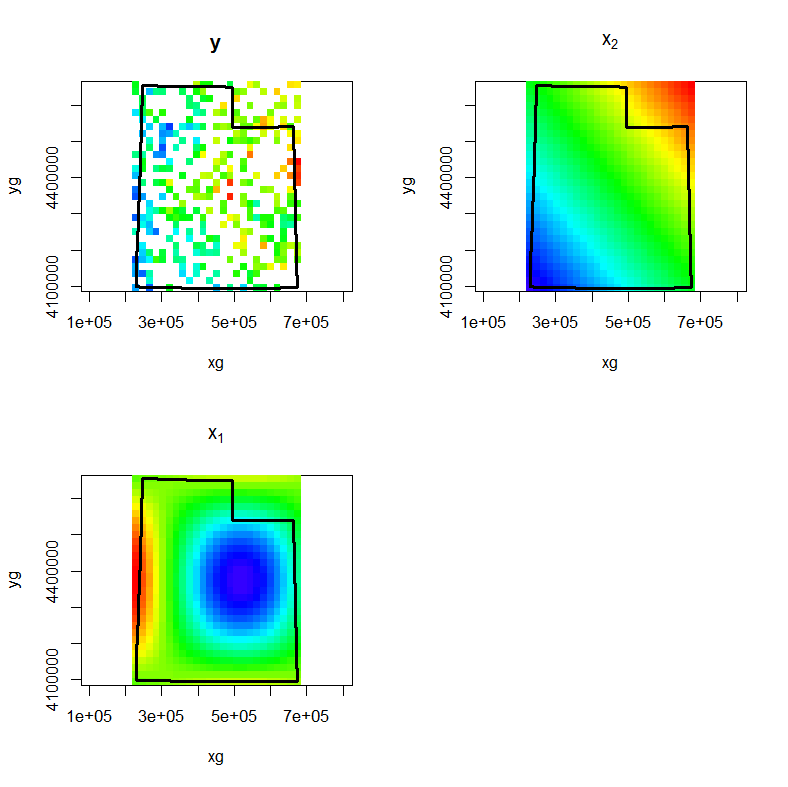
INLA

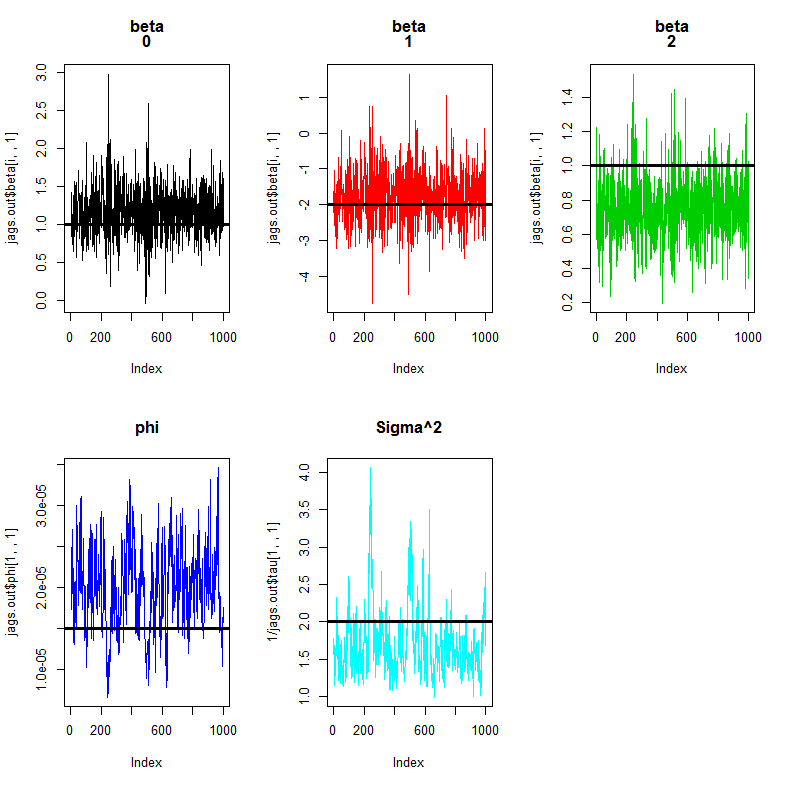
STAN

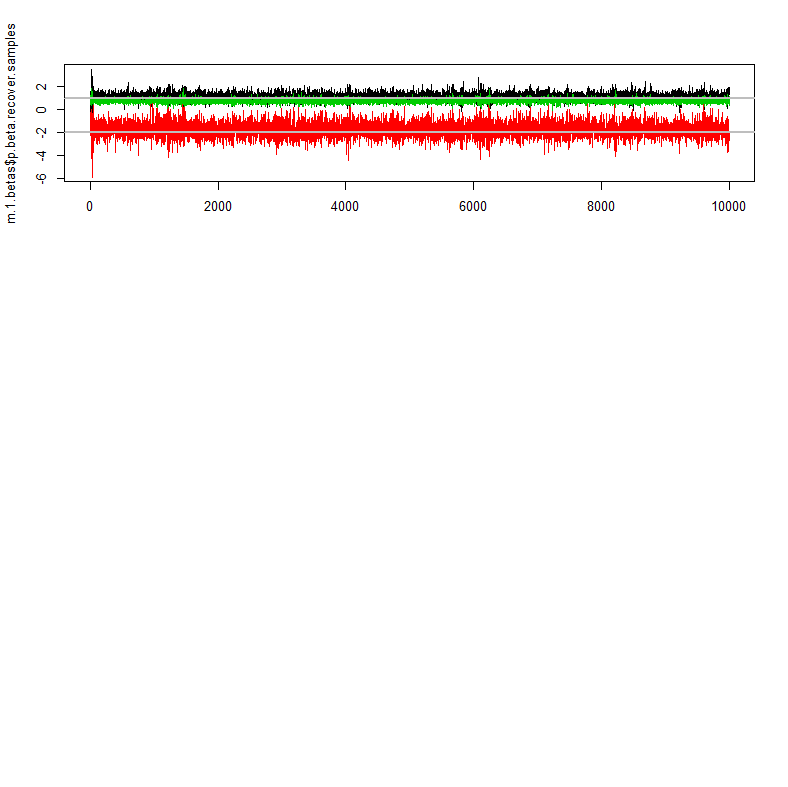
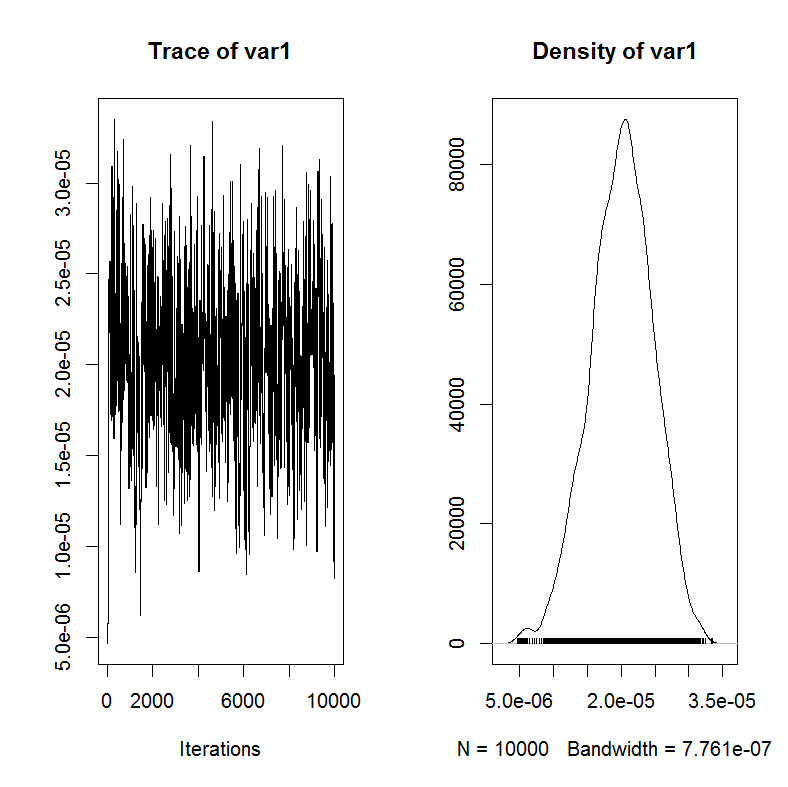
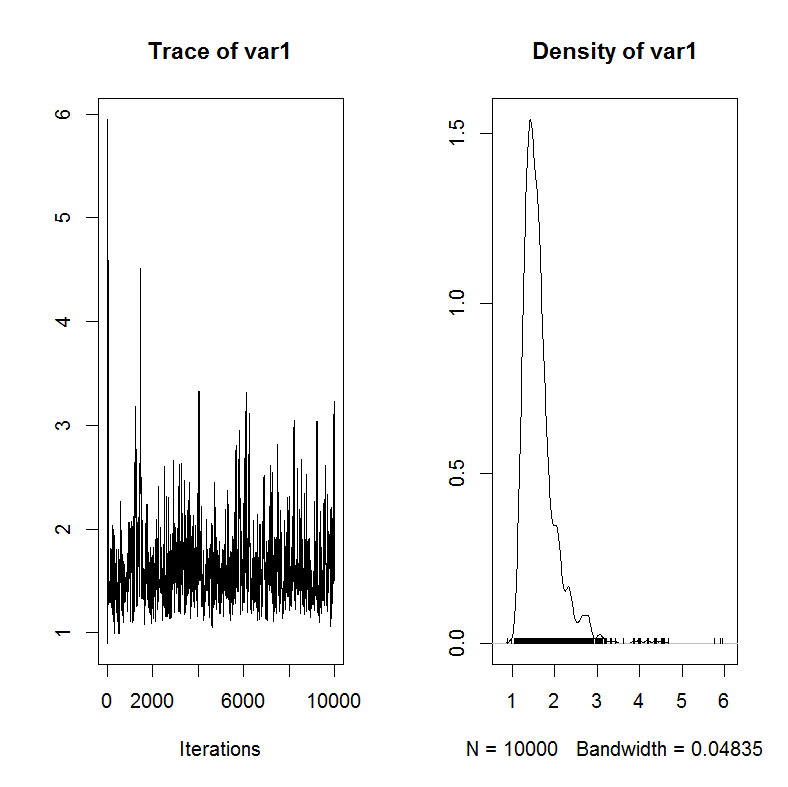
Laplaces Demon

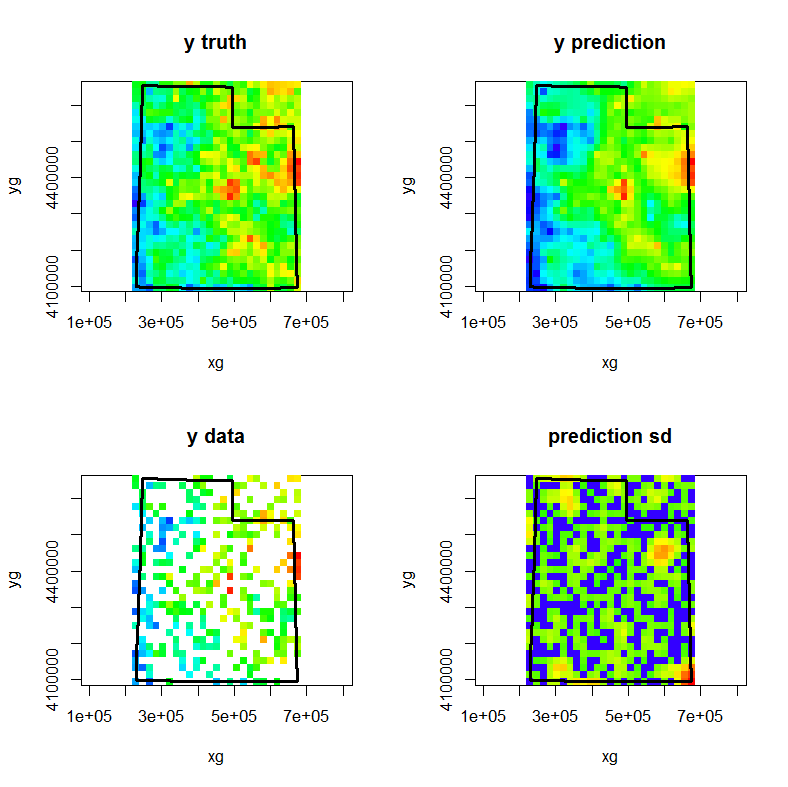
For the following graph – it’s ok if the points go down towards the right. What’s important is what’s at the beginning.

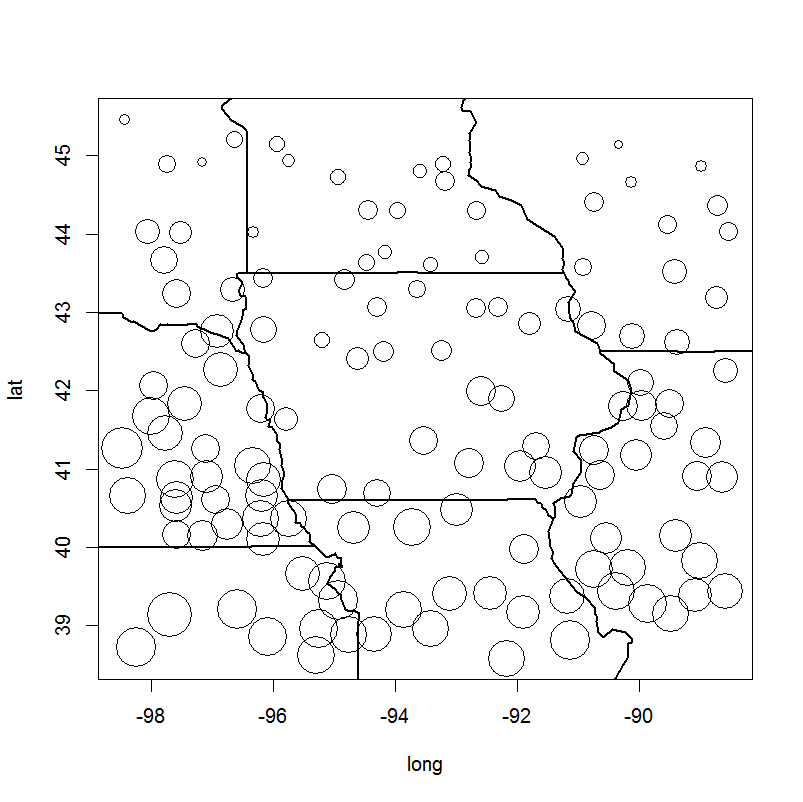


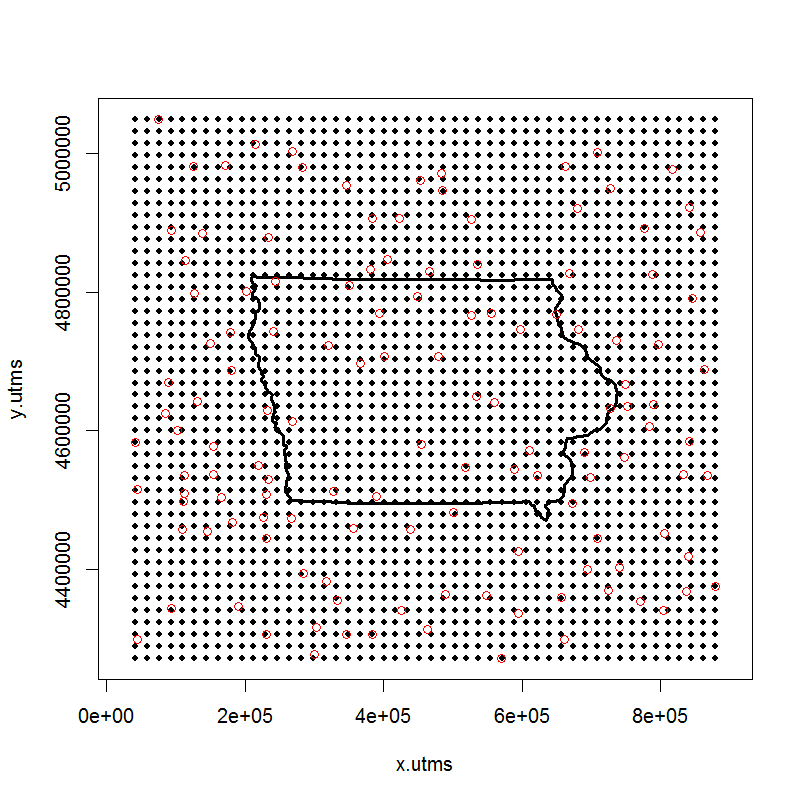




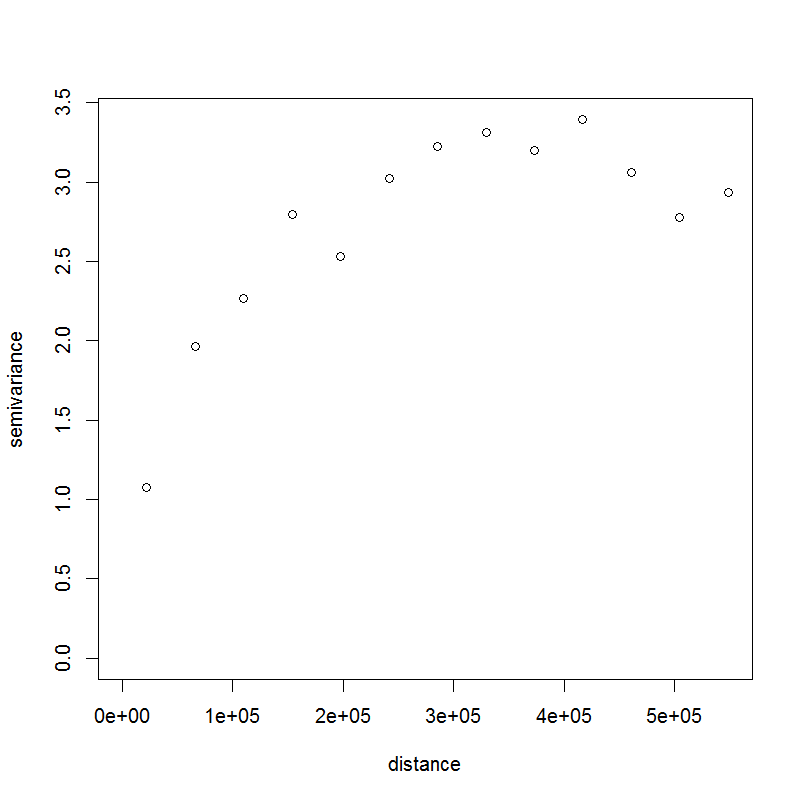




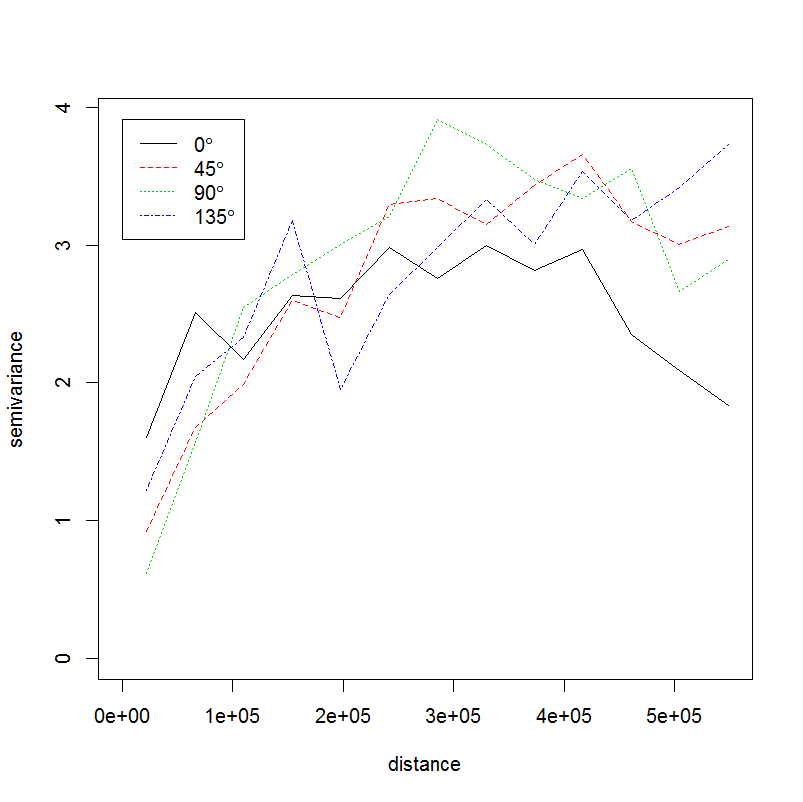


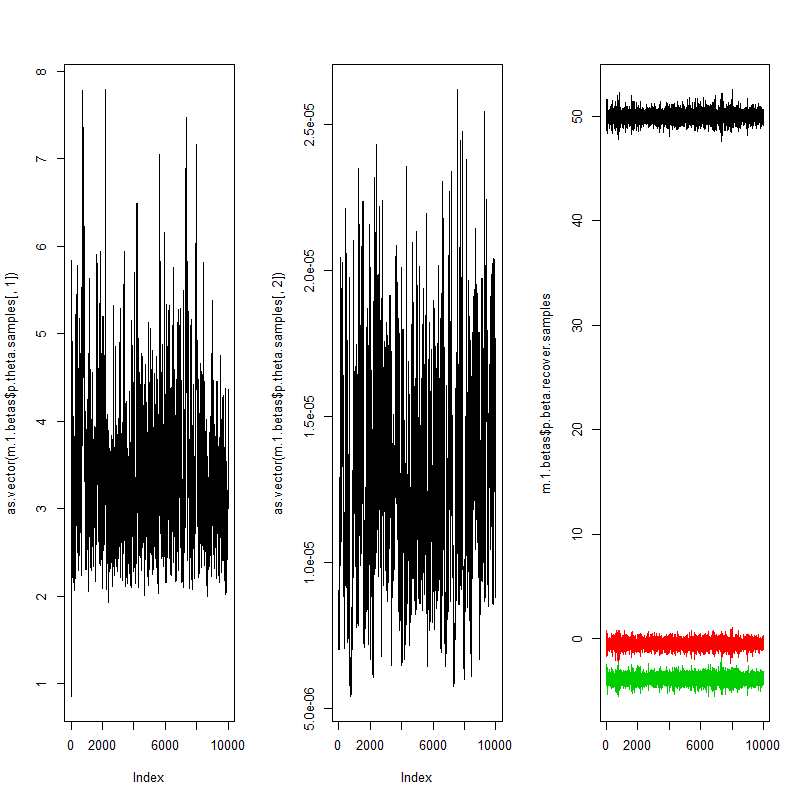


From this you can see that there is some spatial structure to the data. This looks exponential. Would be good to incorporate a nugget

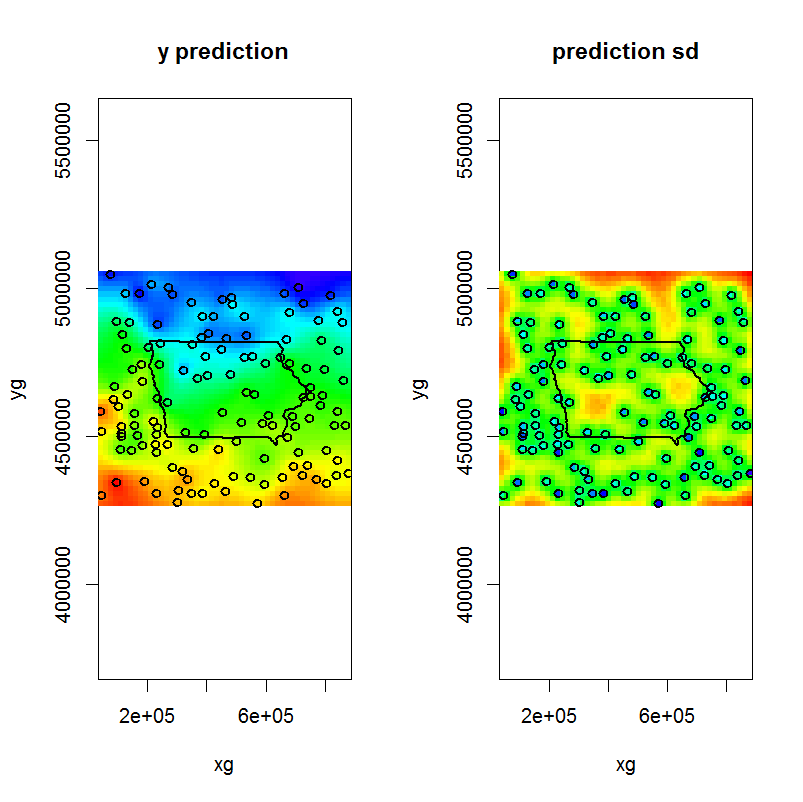


Check for isotropy





The left is the expected value (the mean) of the prediction and sd is standard deviation of the chains for that location.



So how do we know if this is a good predictor? spBayes does have a DIC function.