

# Convergence Diagnostic Plots

For standard parameters, posterior chains and density are plotted.

>> Population mean and variance: param.mu, param.var

>> Effect of task condition: param\_cond[cond]

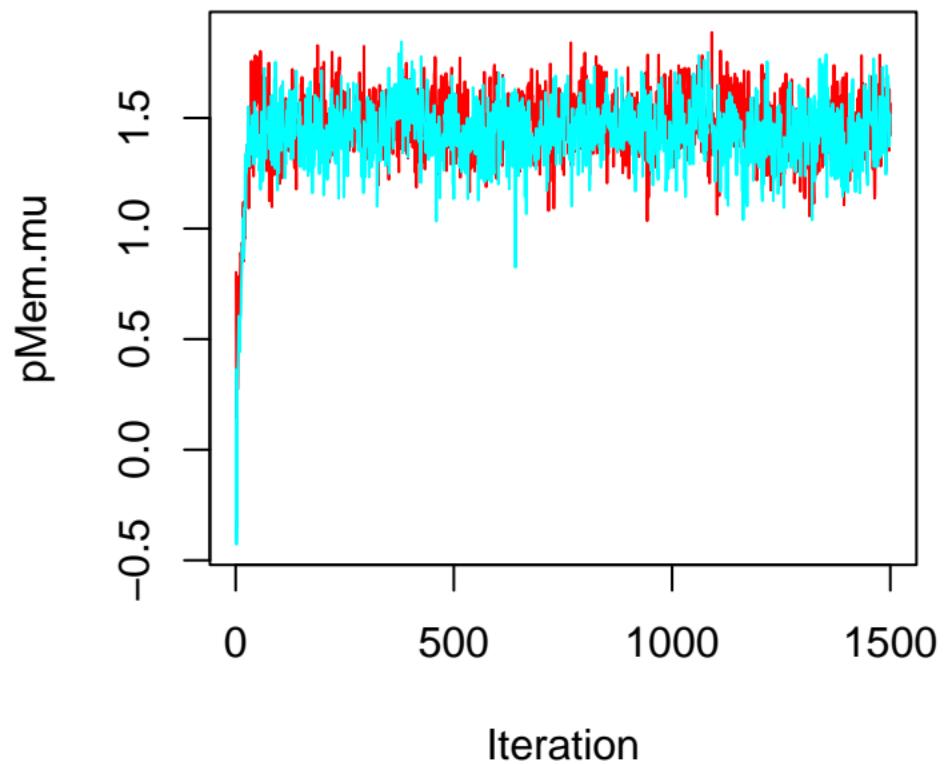
>> Participant level parameters: param[pnum]

Standard parameters: pMem, pContBetween, pCatGuess, etc.

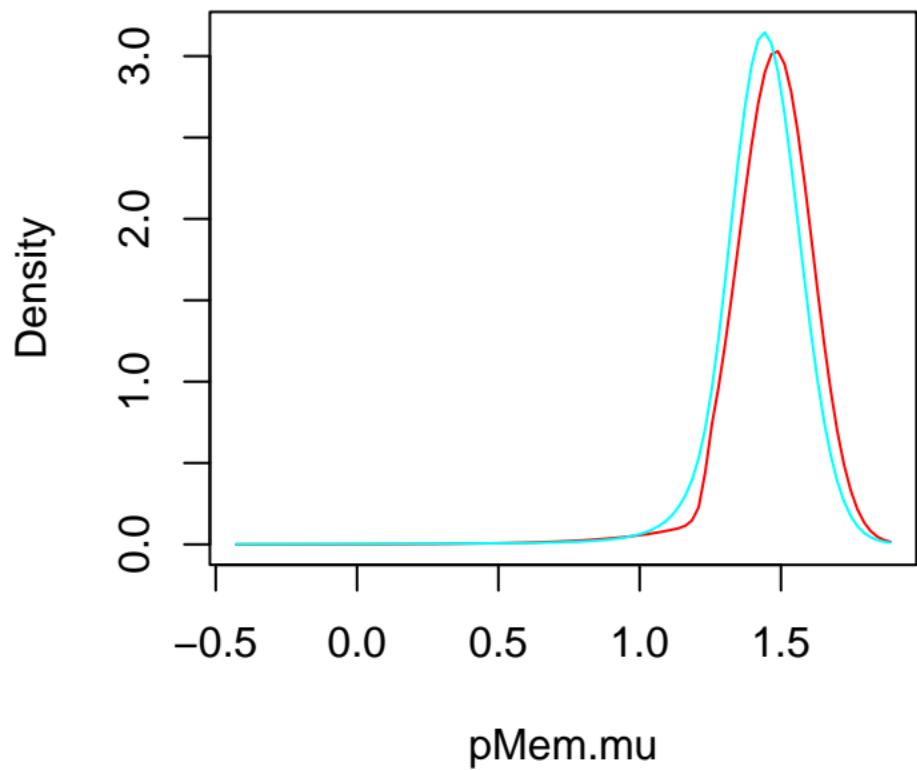
Category parameters (catMu, catActive) follow with a different format.

pMem

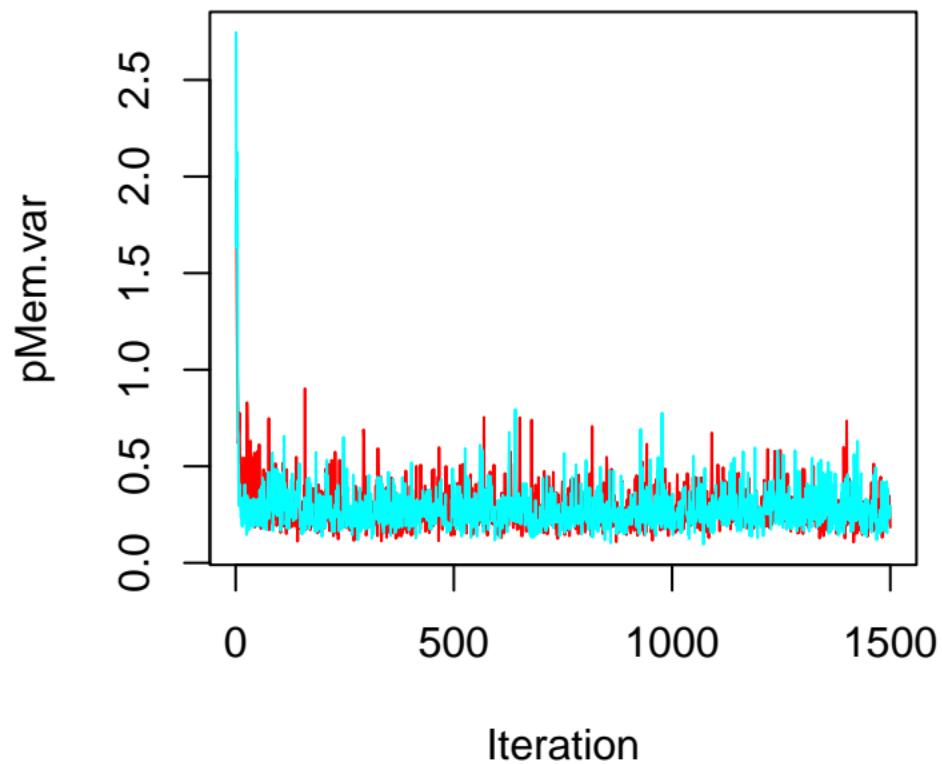
### Chain for pMem.mu



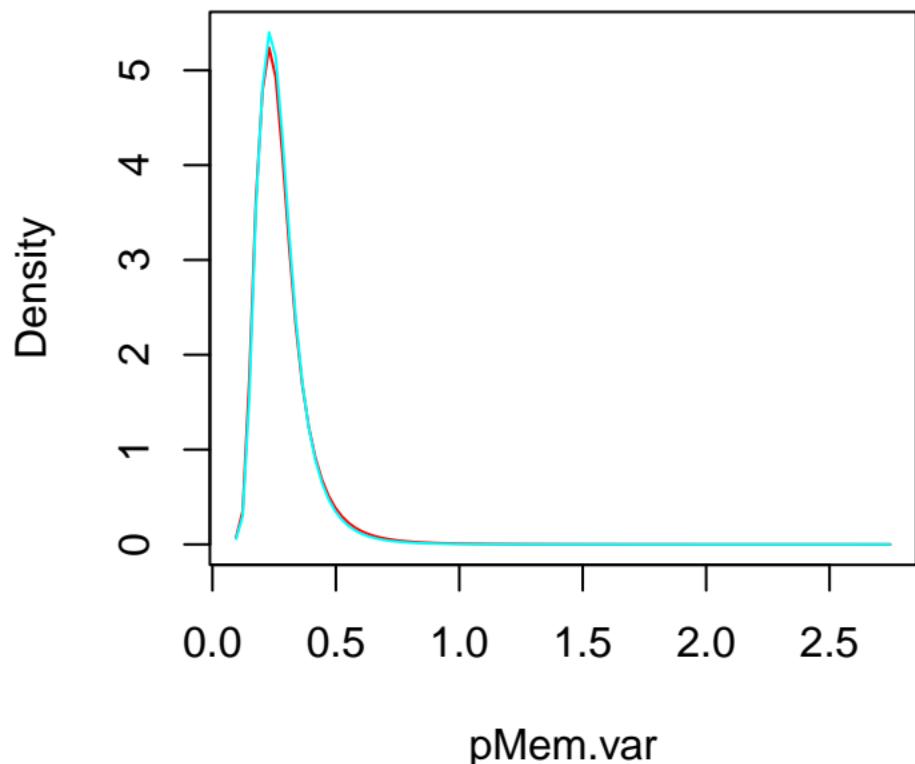
### Density for pMem.mu



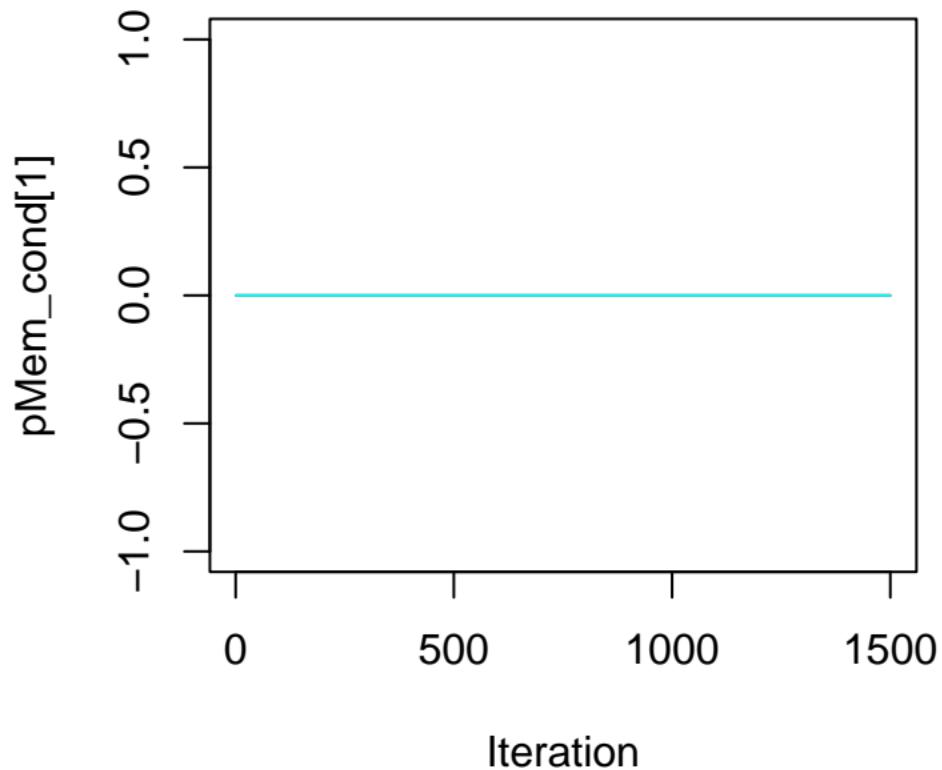
### Chain for pMem.var



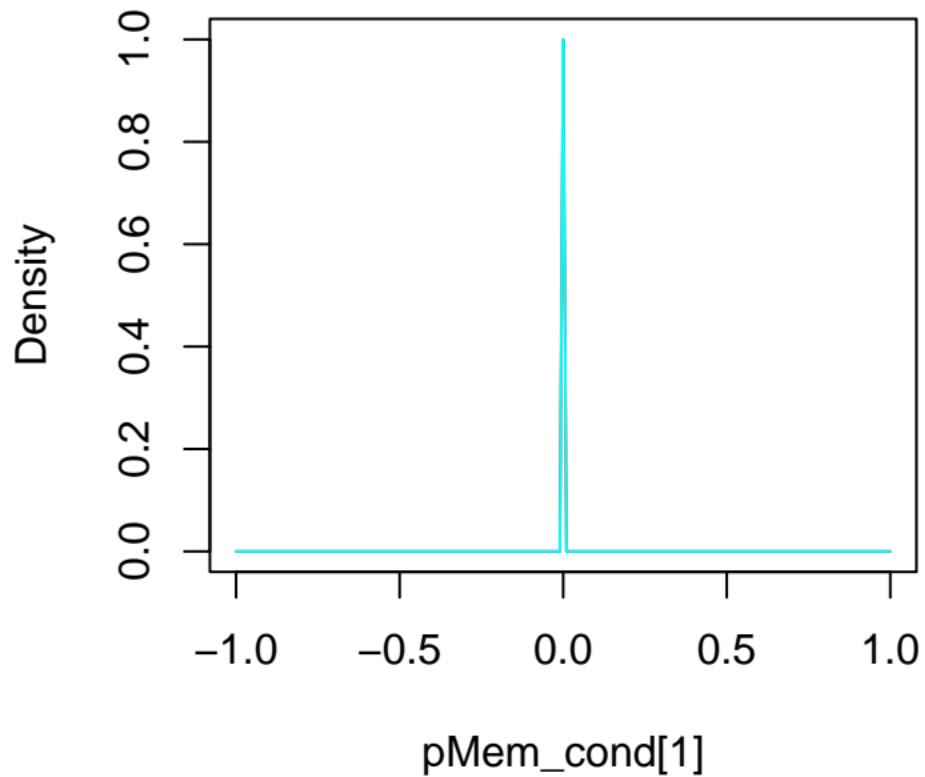
### Density for pMem.var



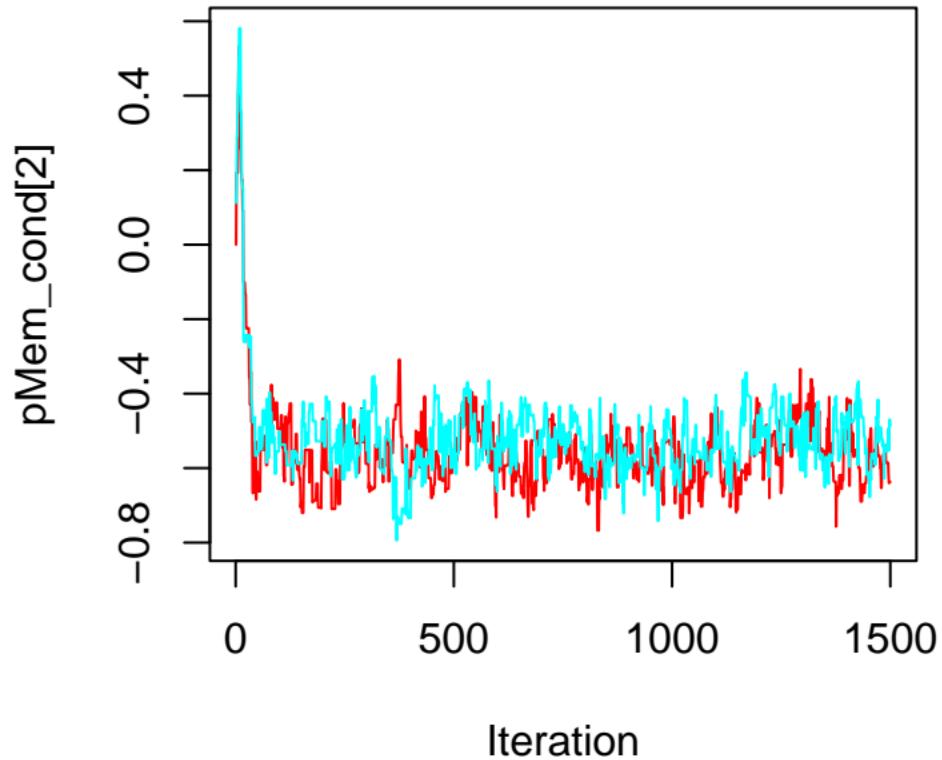
**Chain for pMem\_cond[1]**



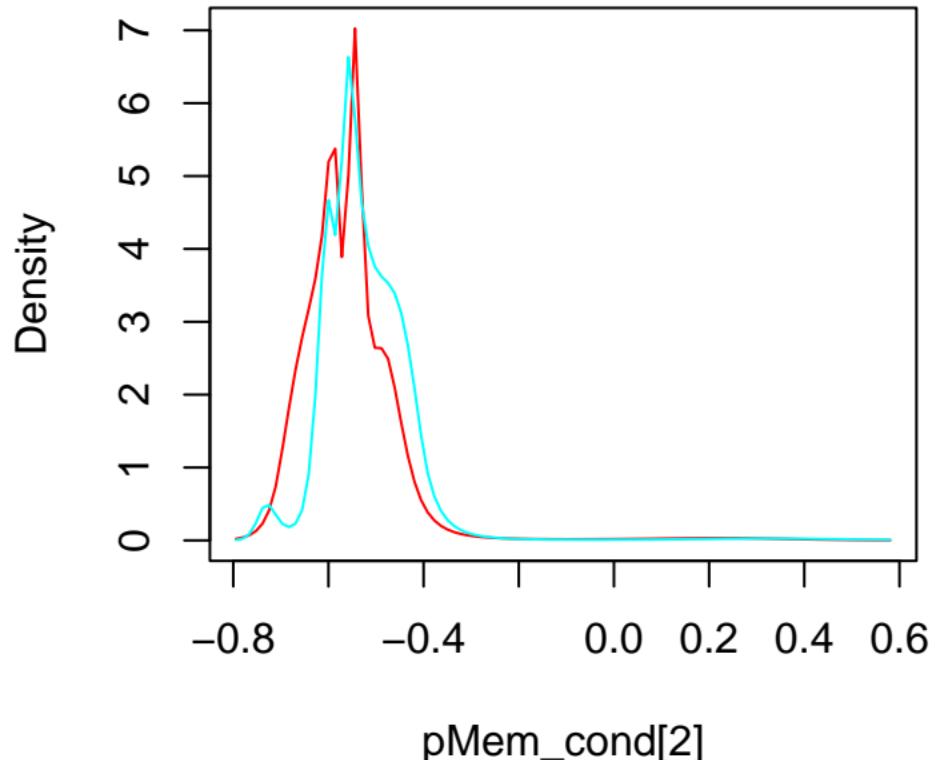
**Density for pMem\_cond[1]**



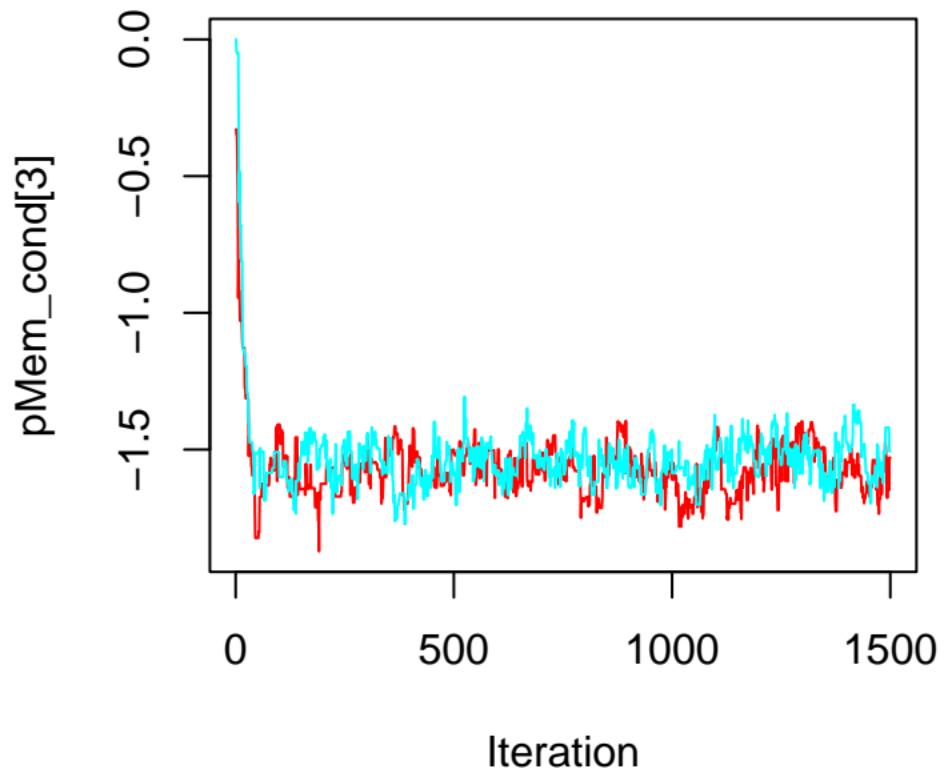
**Chain for pMem\_cond[2]**



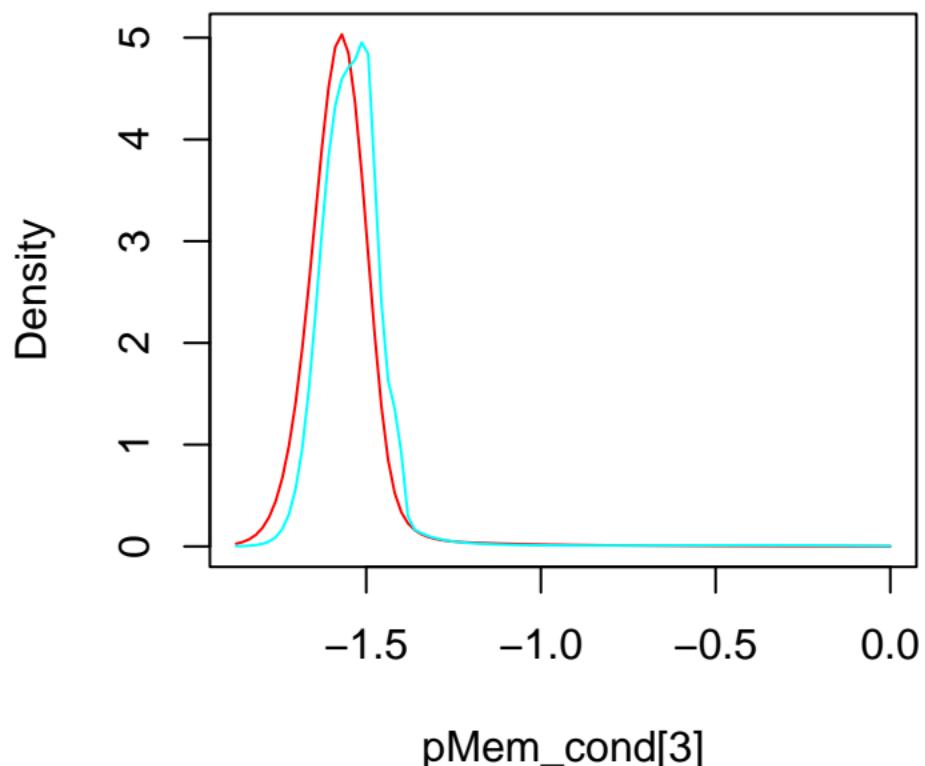
**Density for pMem\_cond[2]**



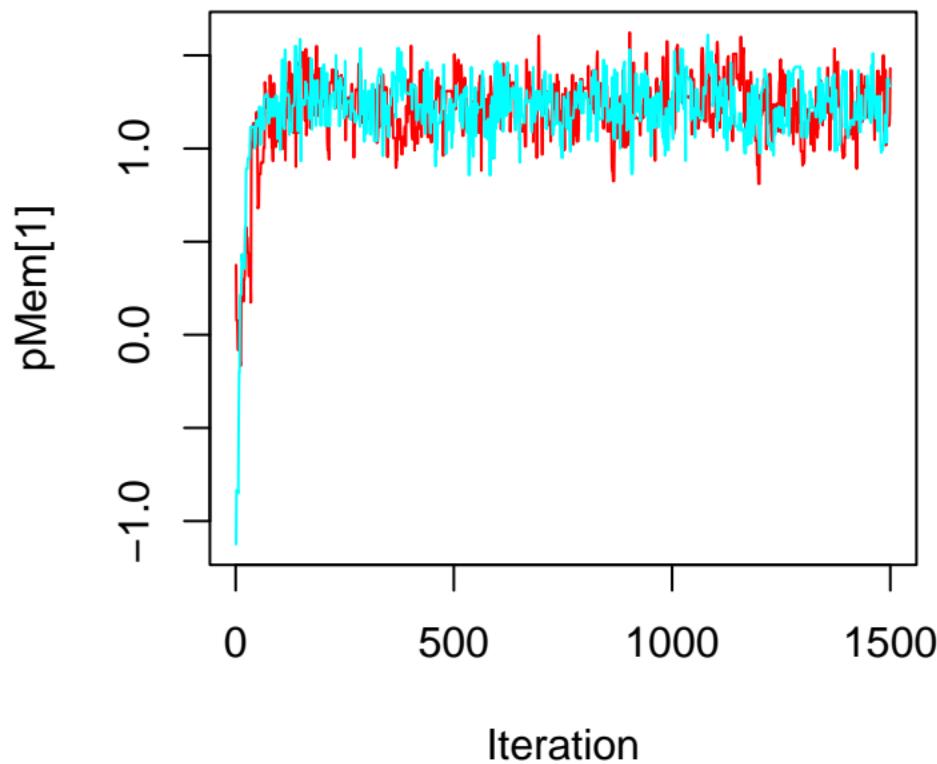
**Chain for pMem\_cond[3]**



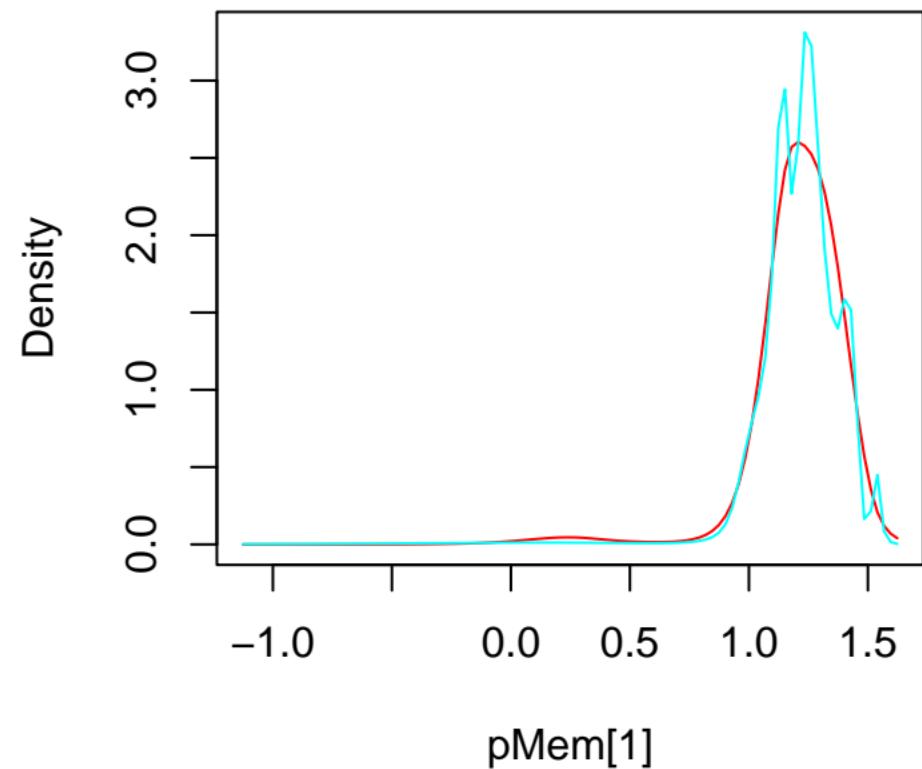
**Density for pMem\_cond[3]**



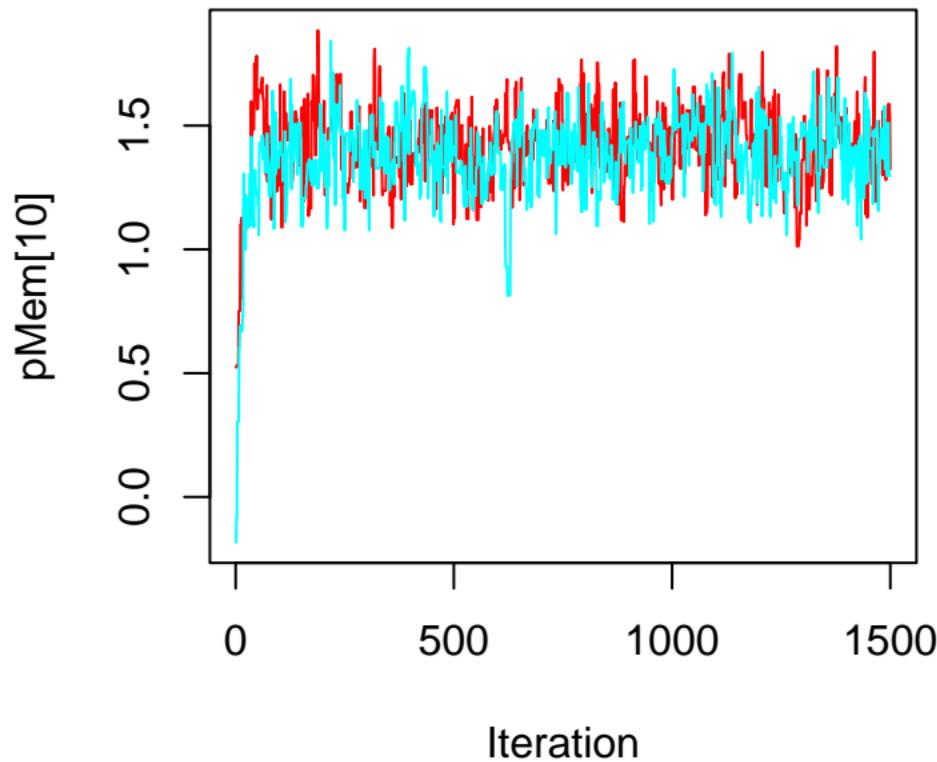
### Chain for pMem[1]



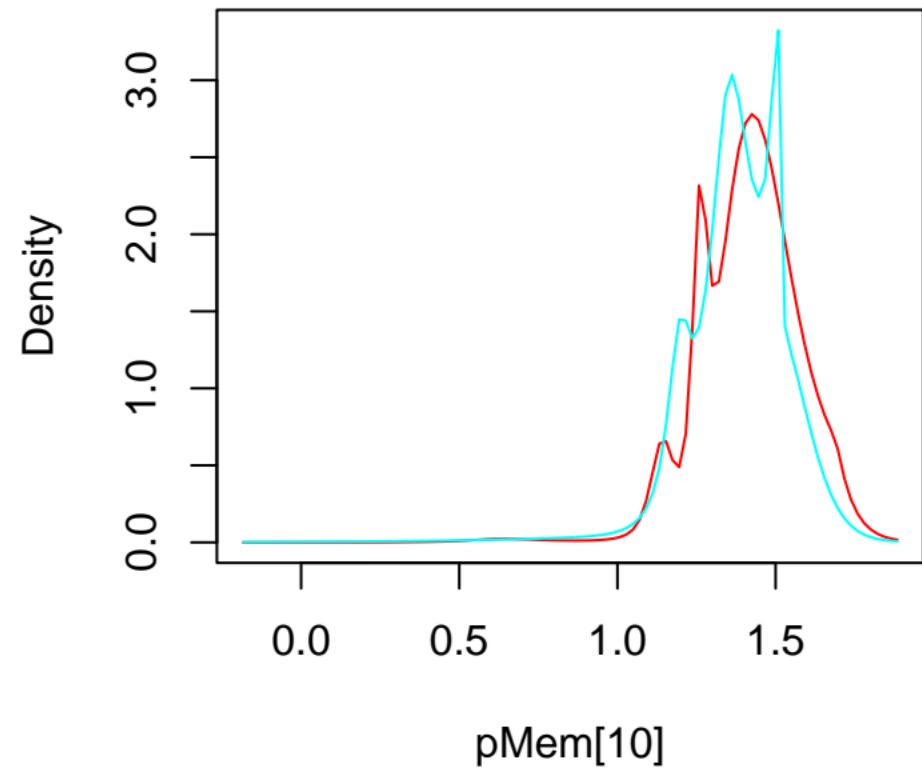
### Density for pMem[1]



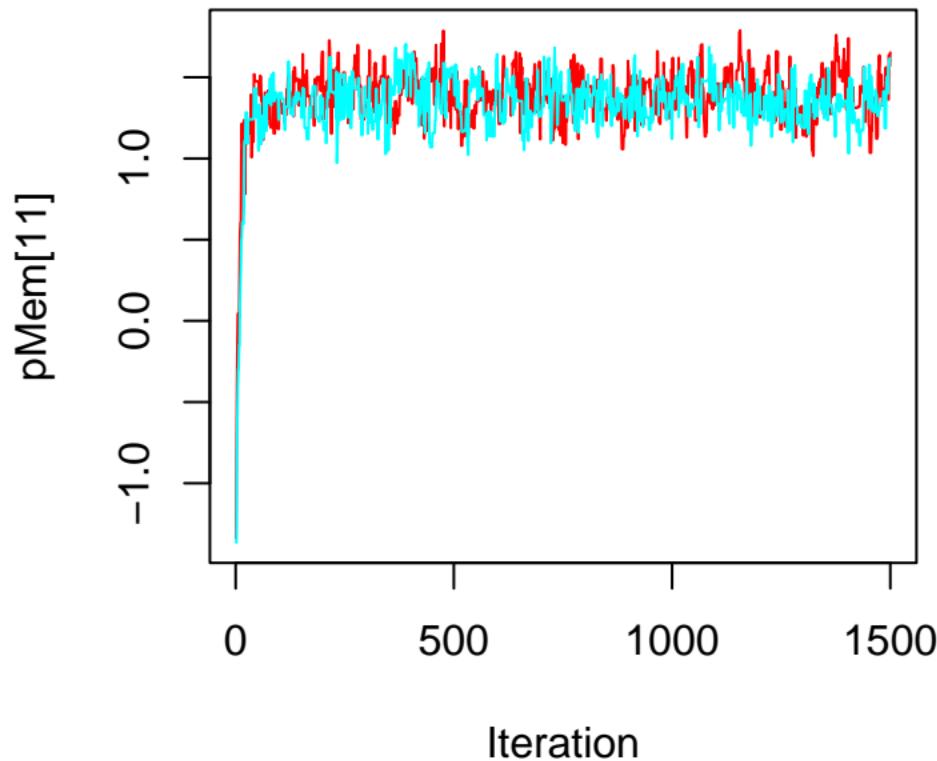
### Chain for pMem[10]



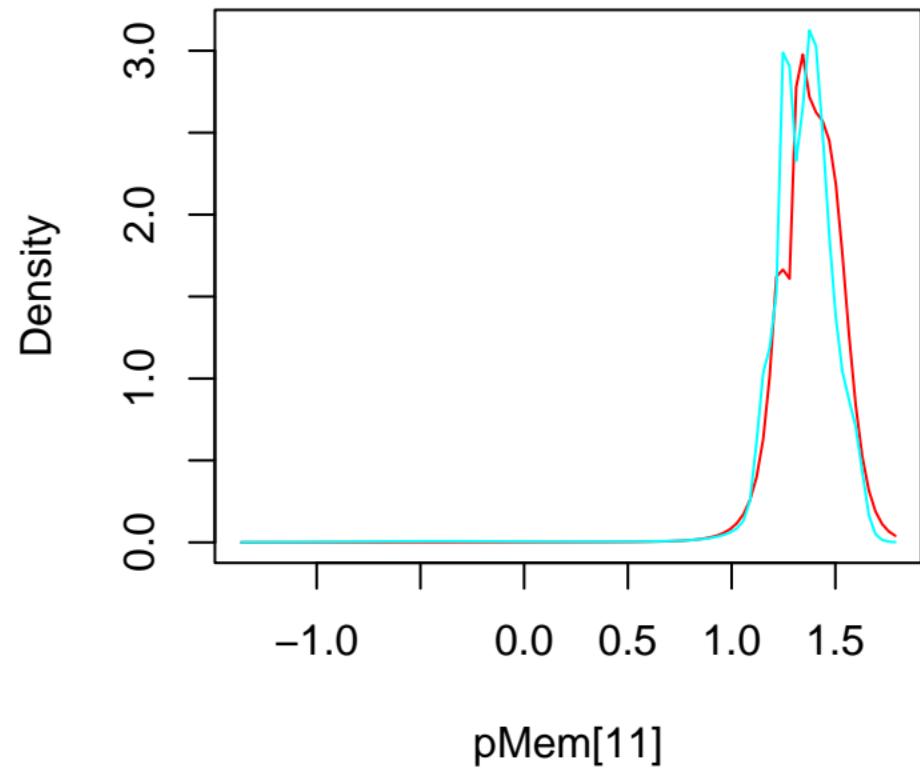
### Density for pMem[10]



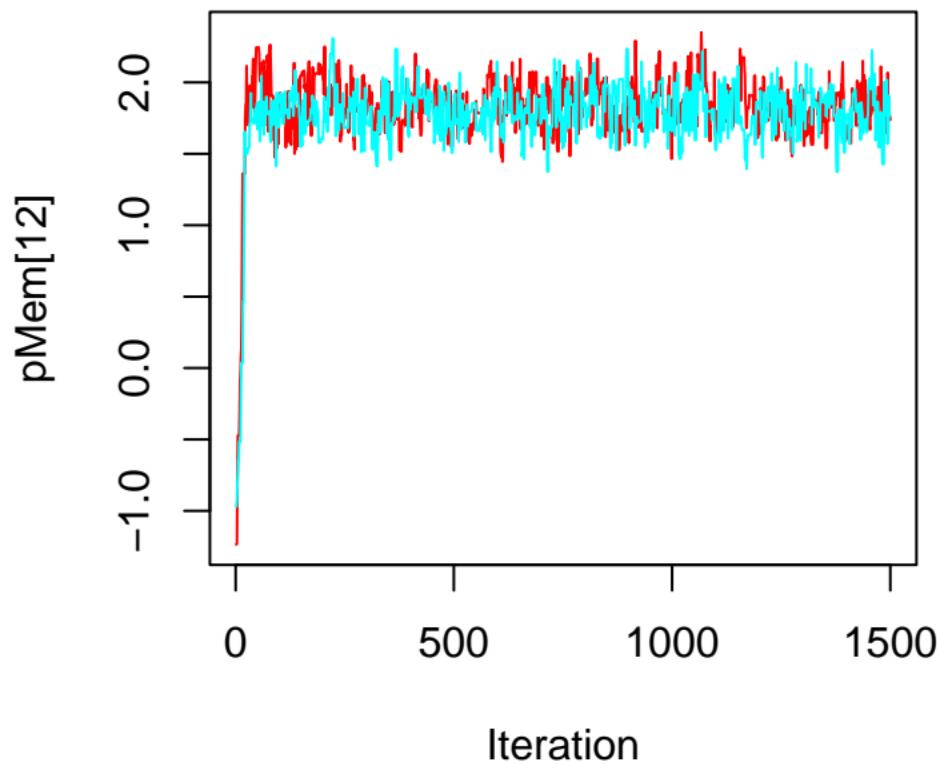
### Chain for pMem[11]



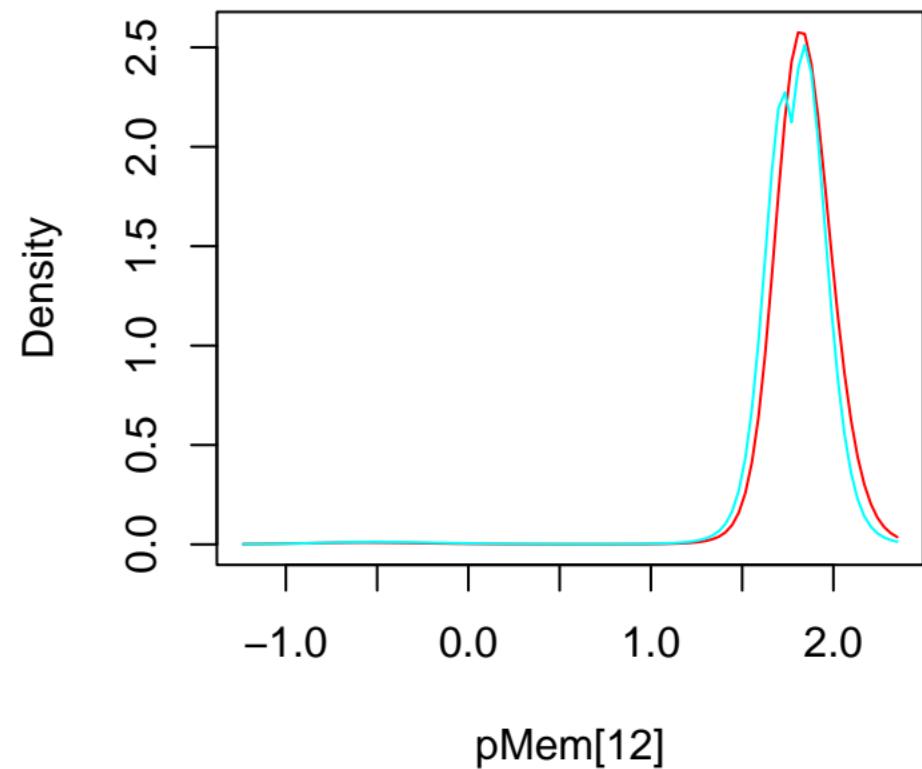
### Density for pMem[11]



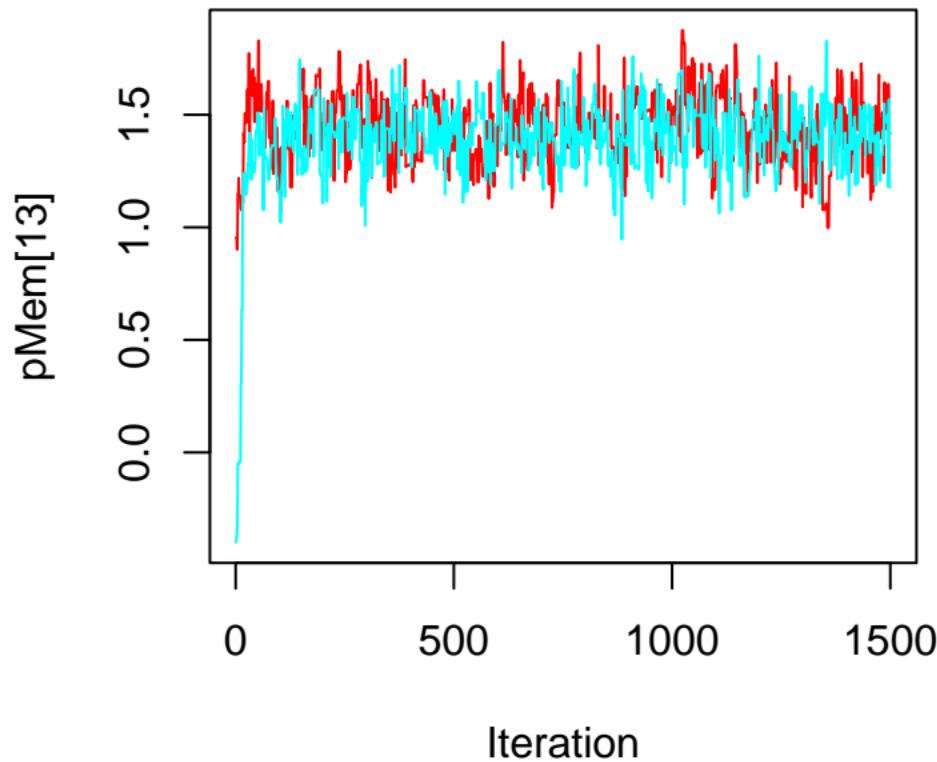
### Chain for pMem[12]



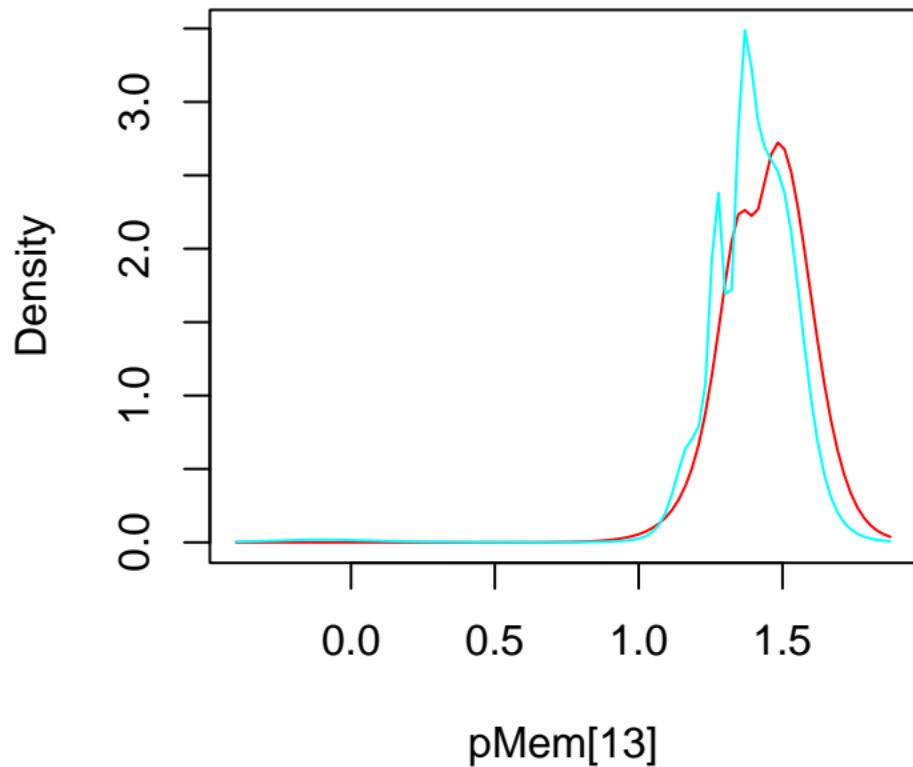
### Density for pMem[12]



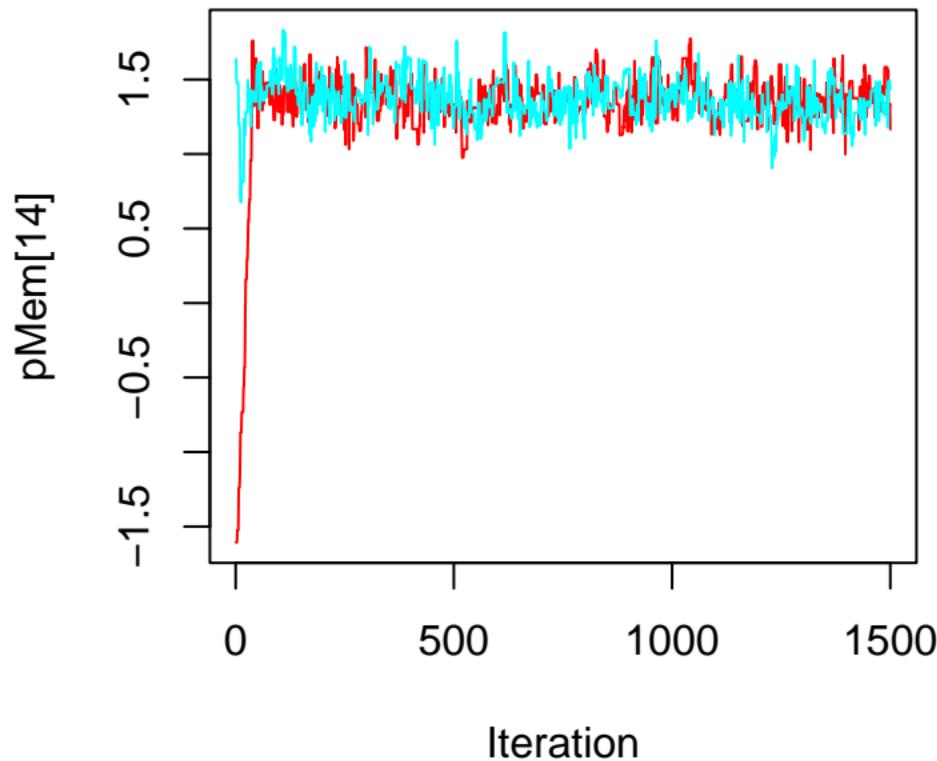
**Chain for pMem[13]**



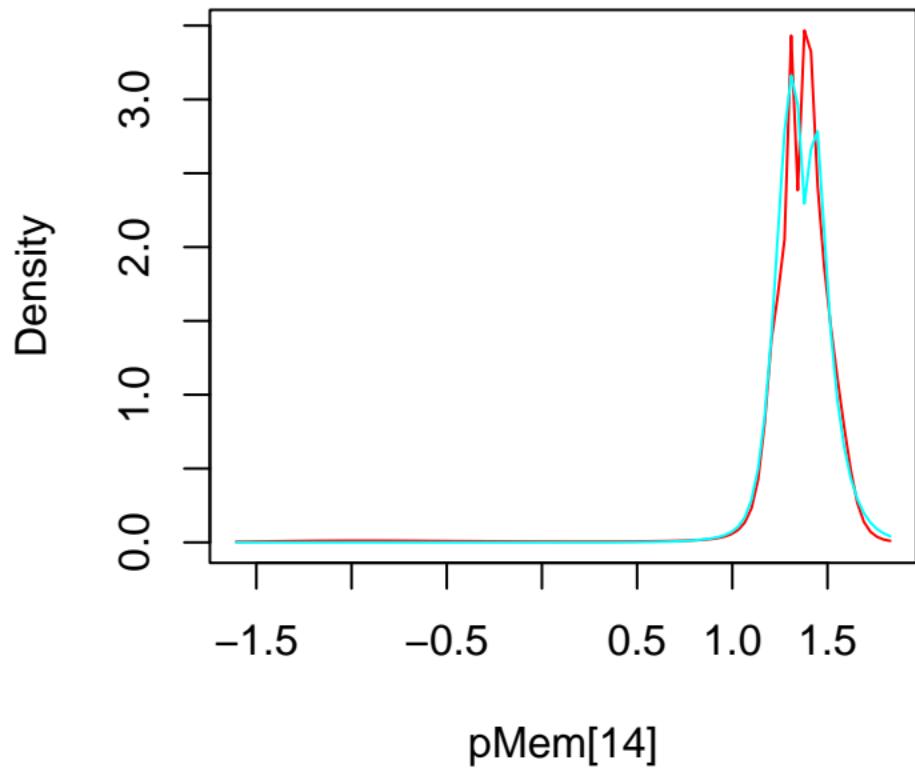
**Density for pMem[13]**



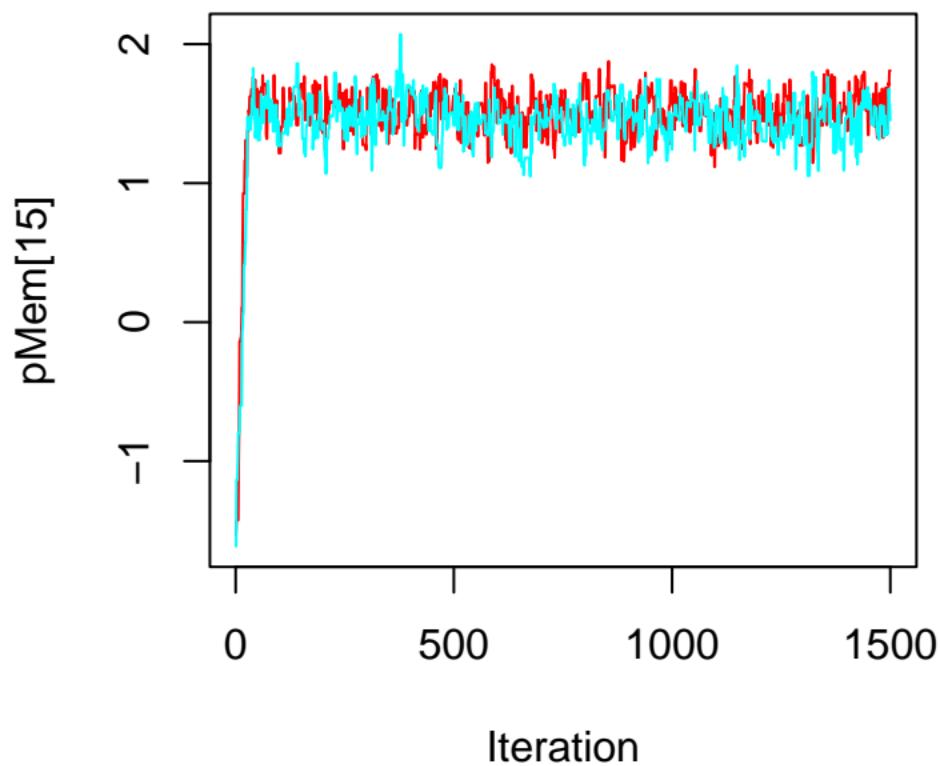
**Chain for pMem[14]**



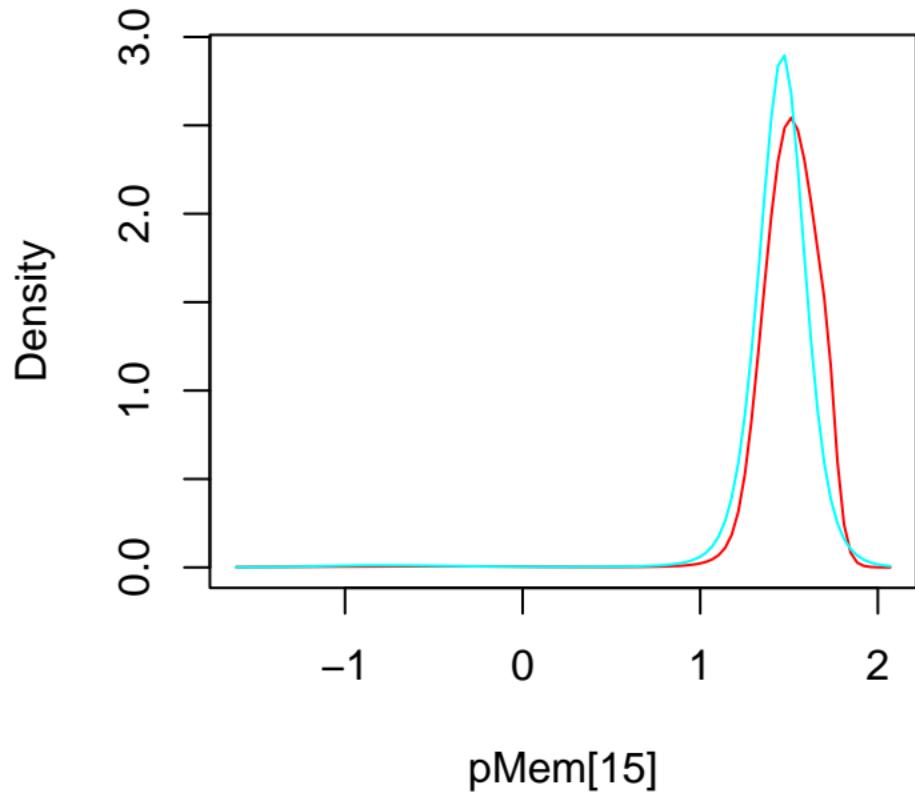
**Density for pMem[14]**



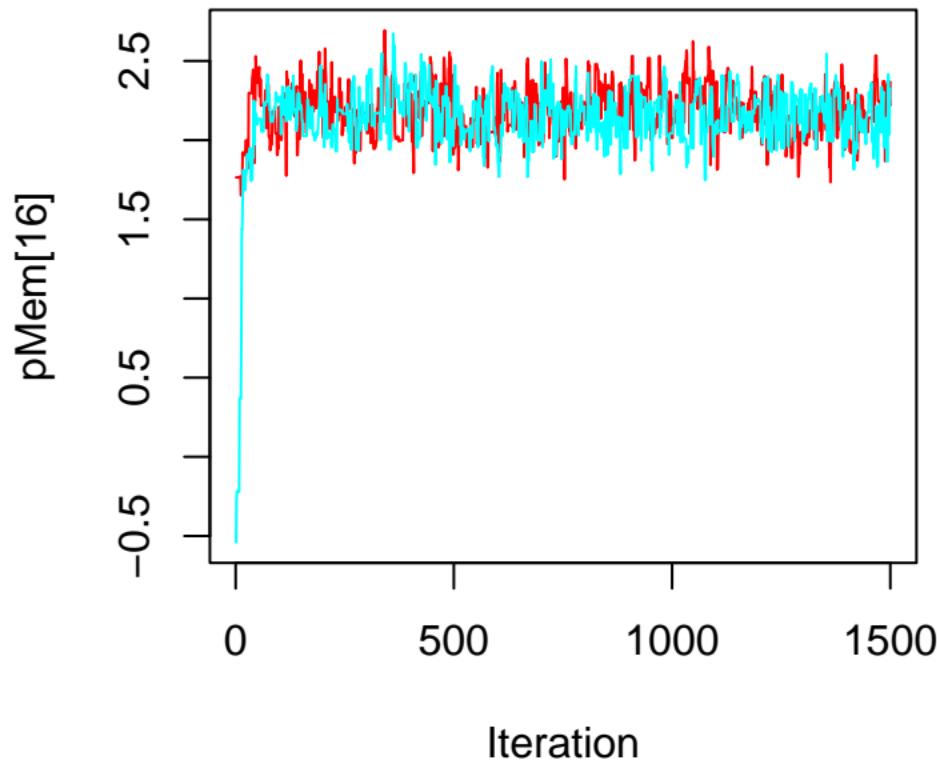
### Chain for pMem[15]



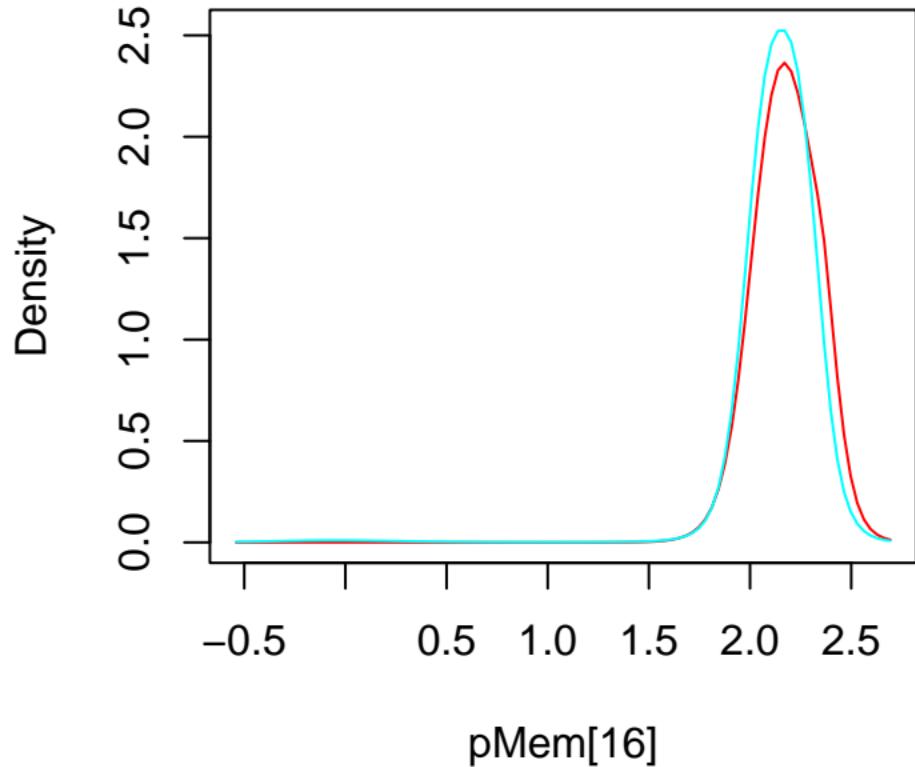
### Density for pMem[15]



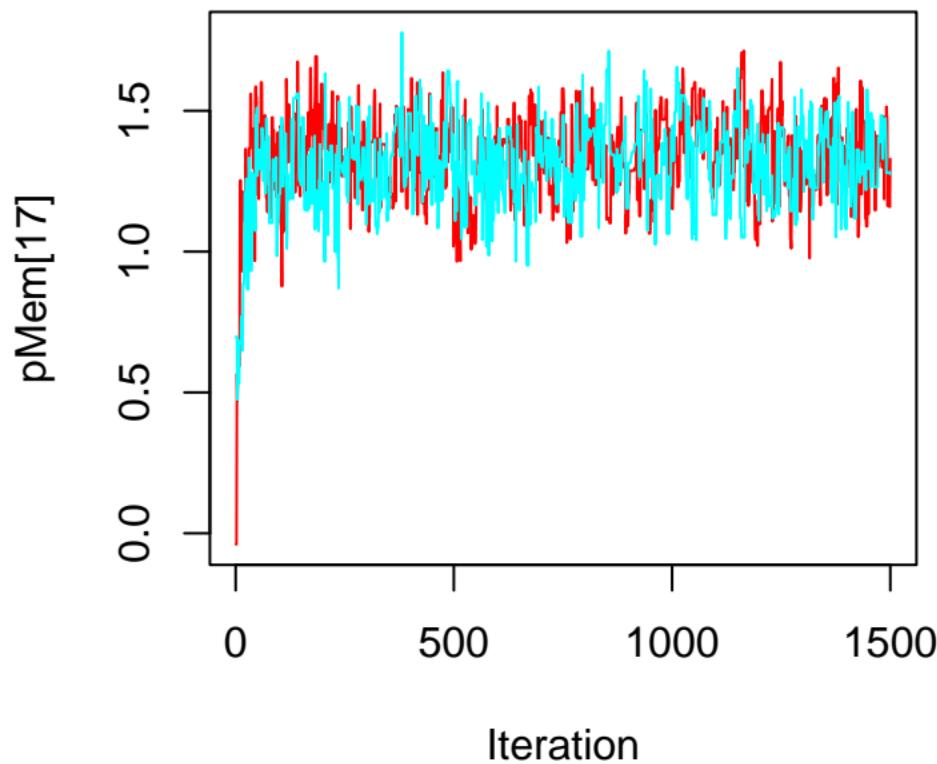
### Chain for pMem[16]



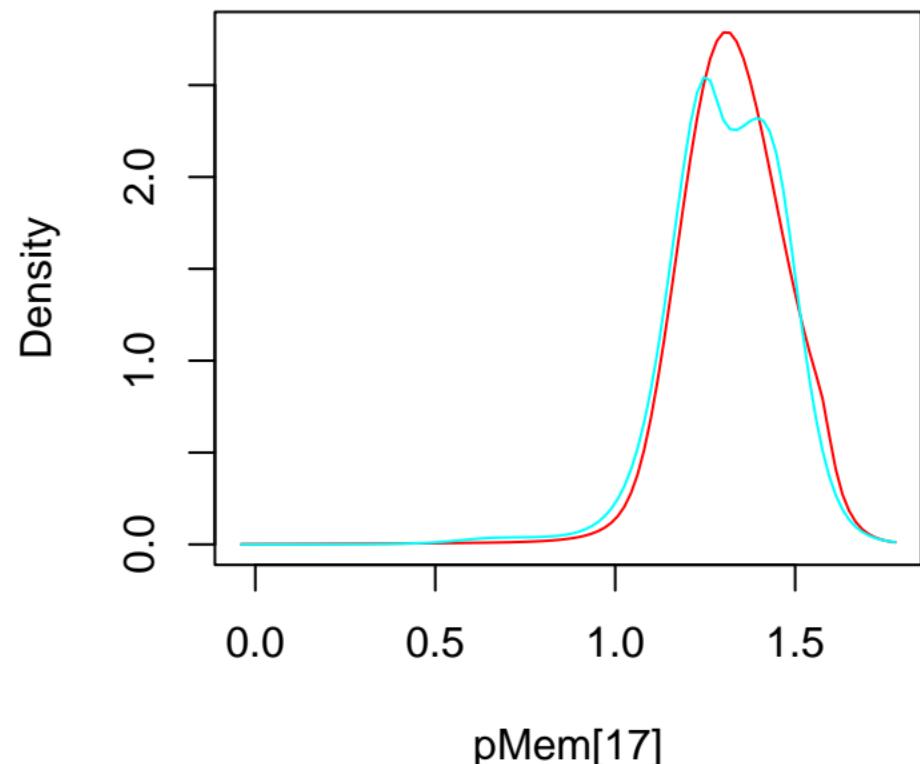
### Density for pMem[16]



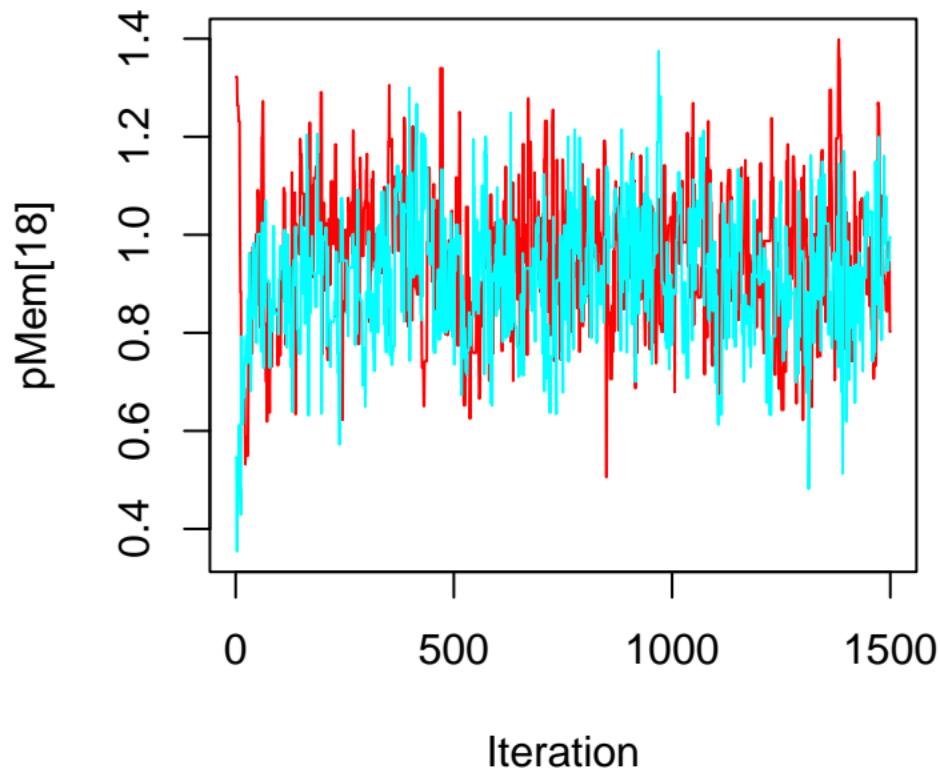
### Chain for pMem[17]



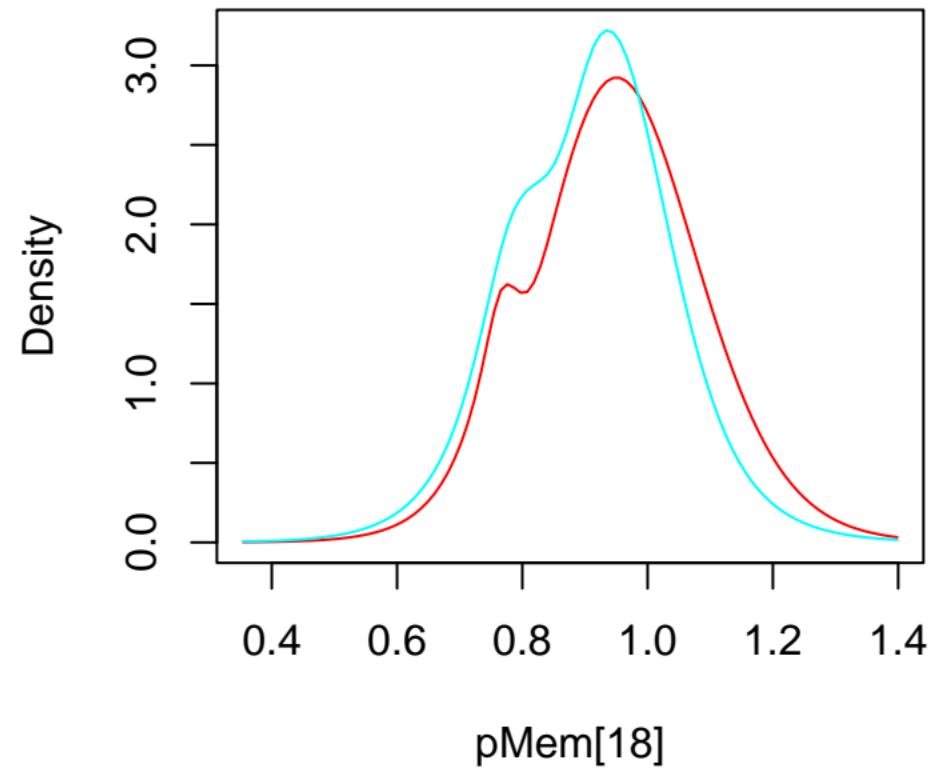
### Density for pMem[17]



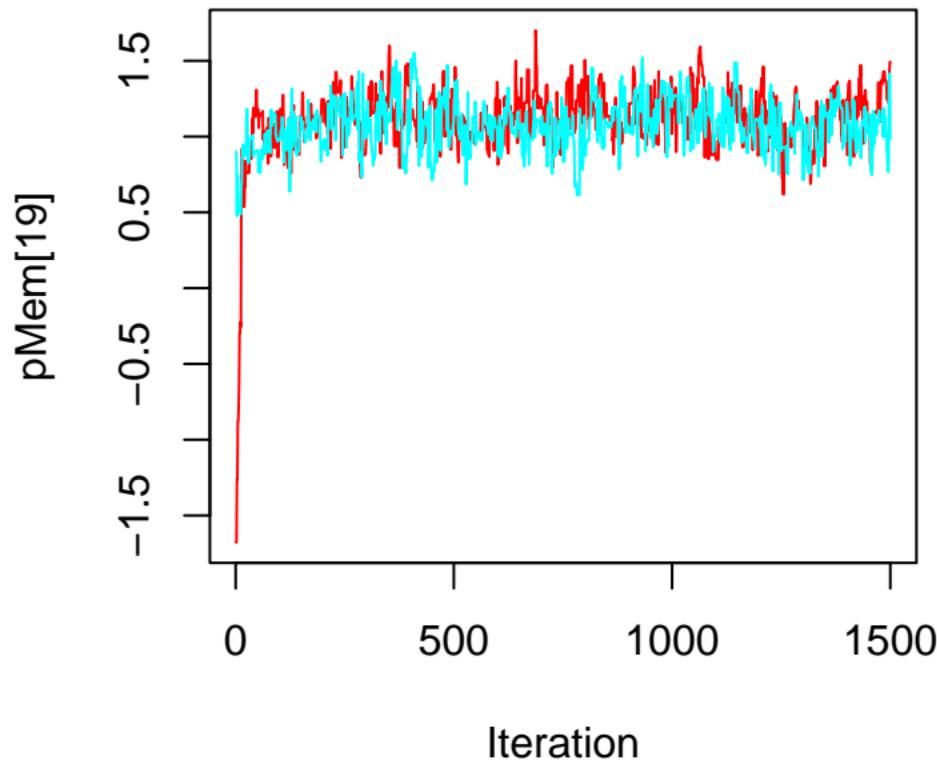
### Chain for pMem[18]



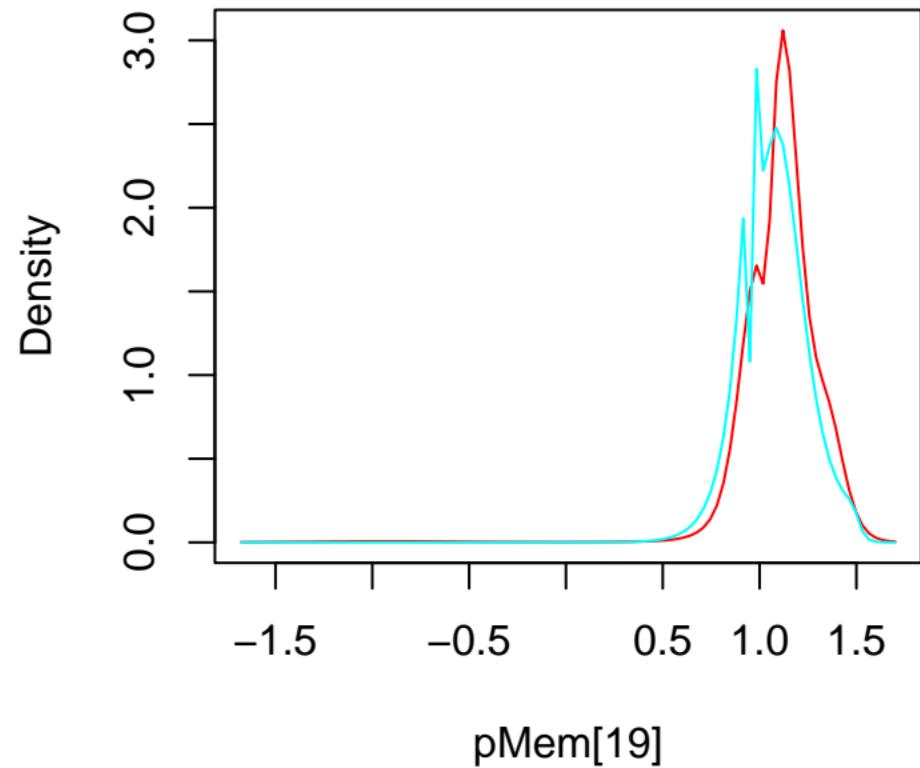
### Density for pMem[18]



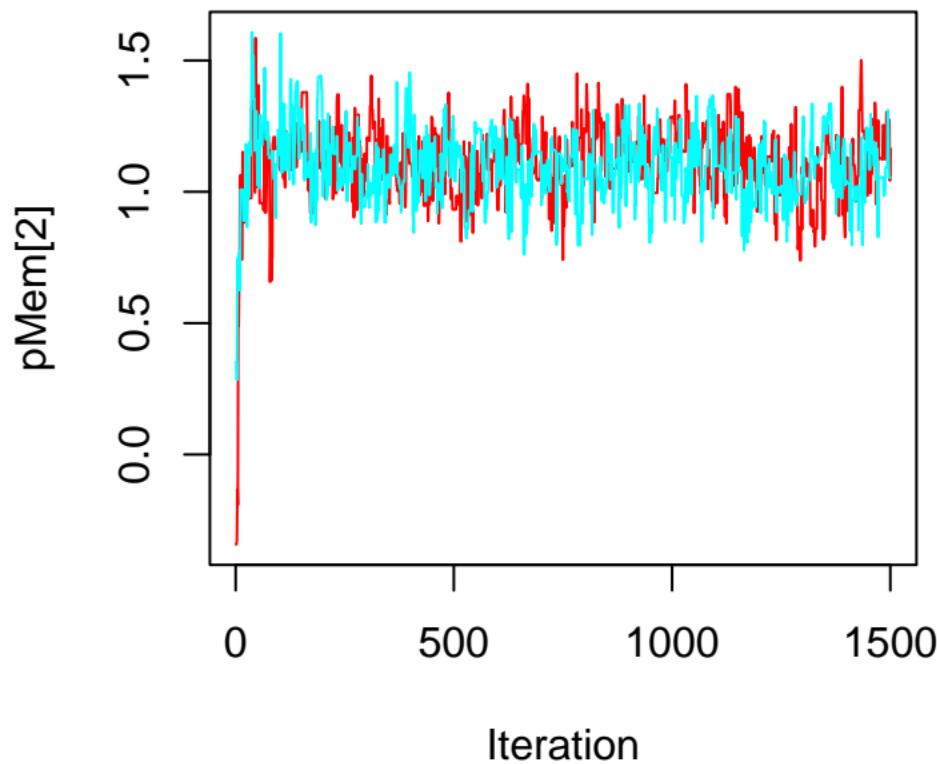
### Chain for pMem[19]



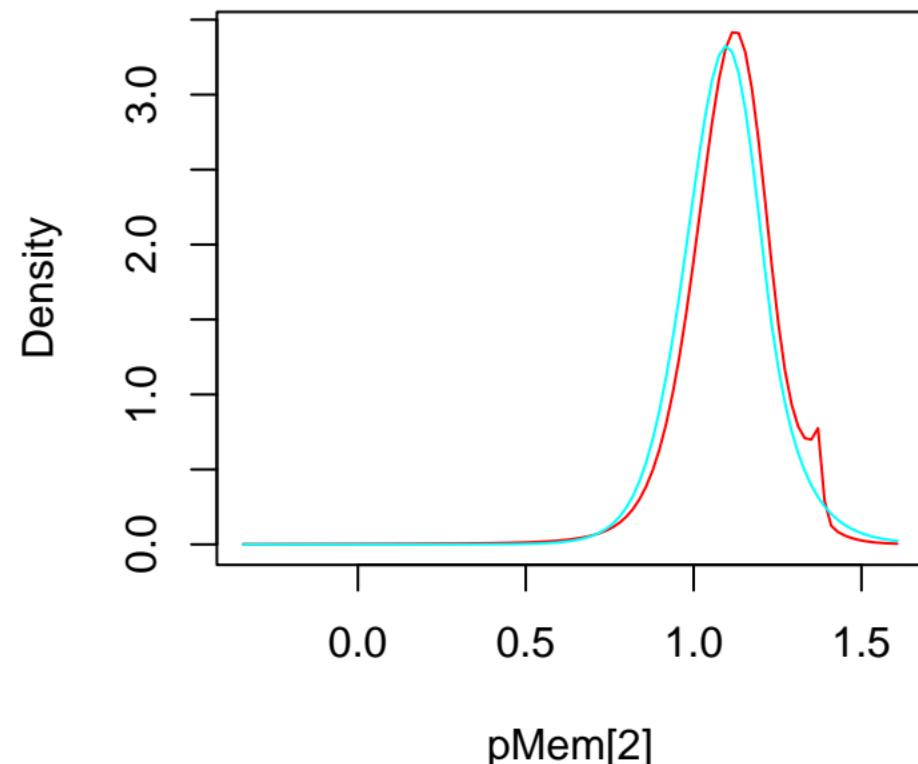
### Density for pMem[19]



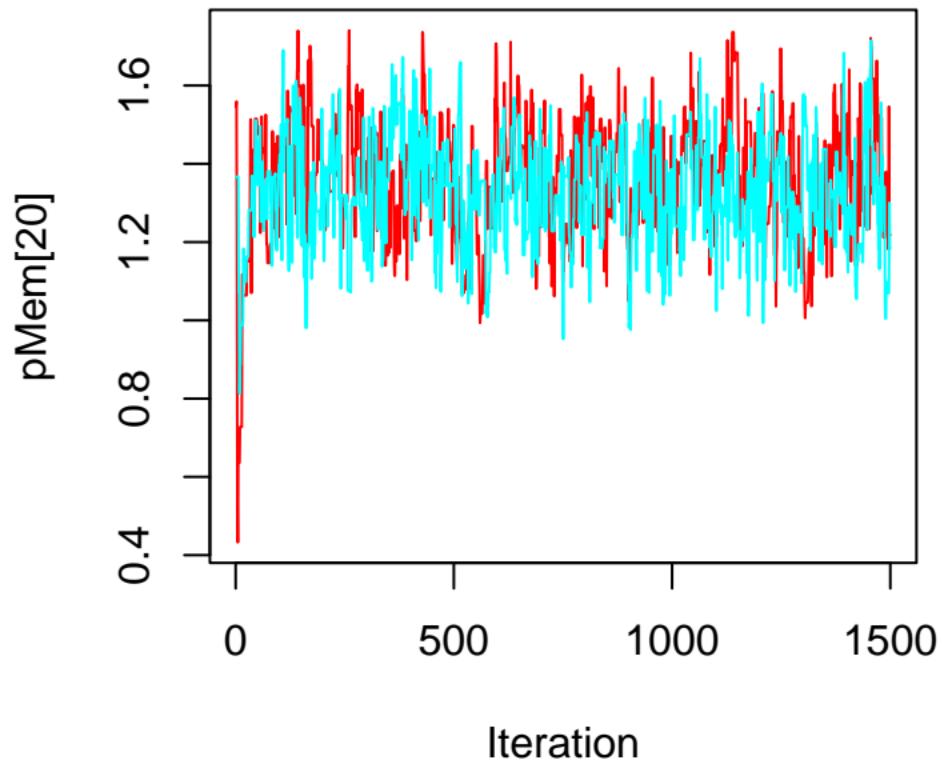
### Chain for pMem[2]



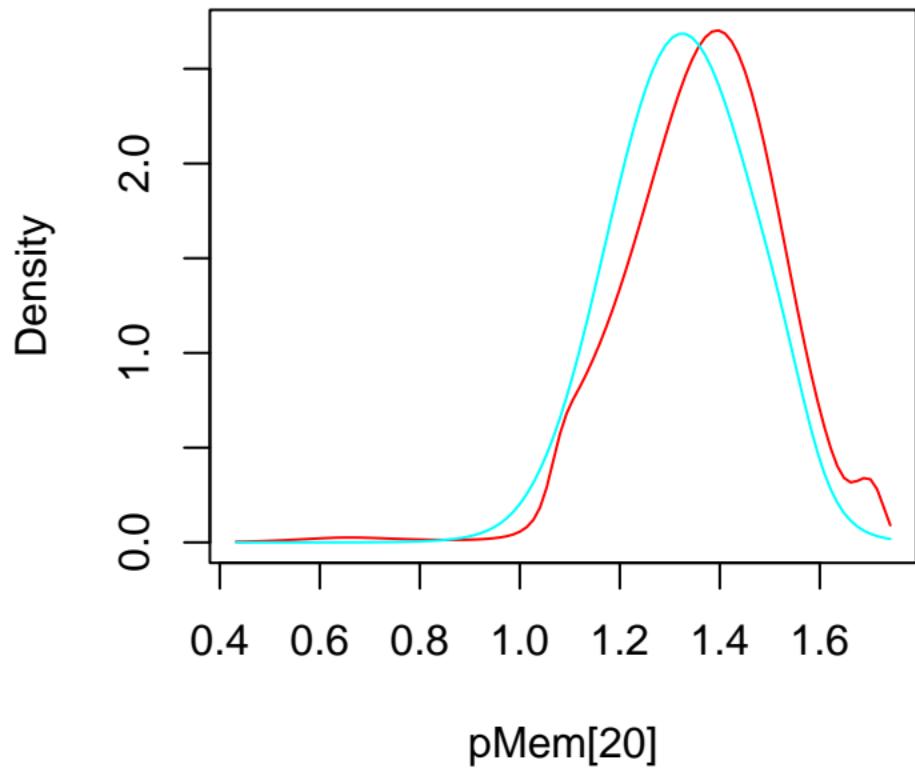
### Density for pMem[2]



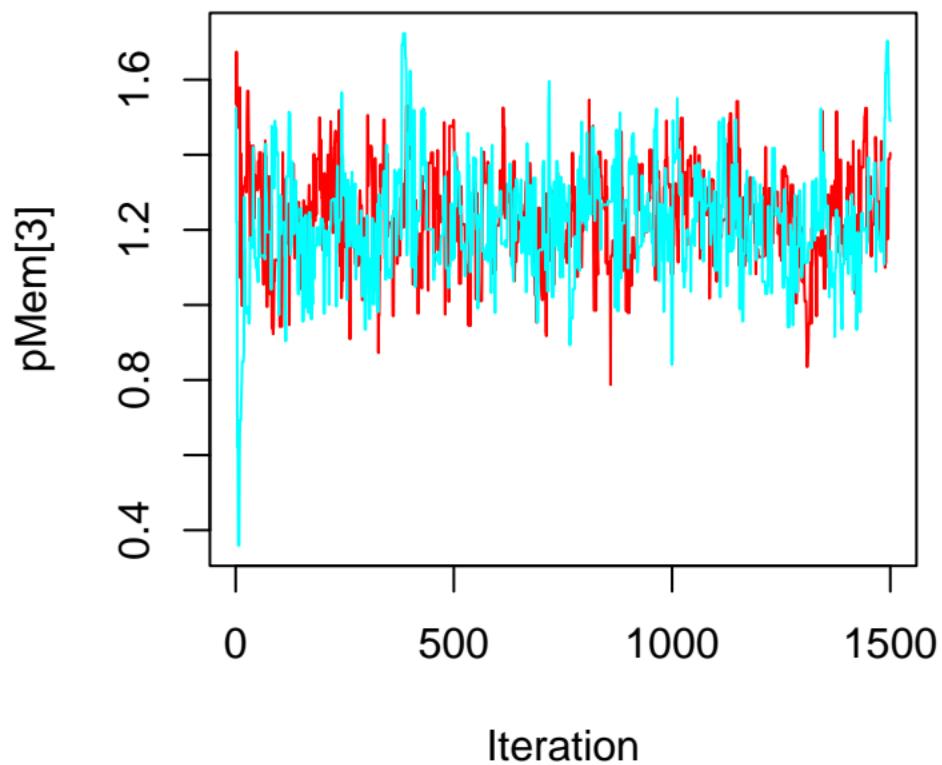
### Chain for pMem[20]



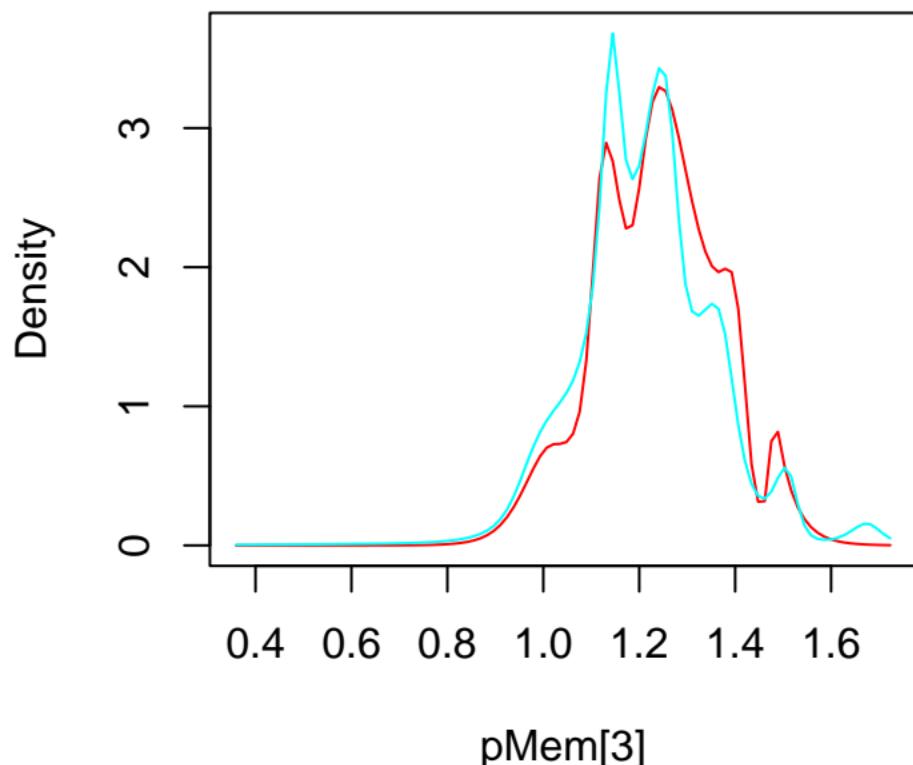
### Density for pMem[20]



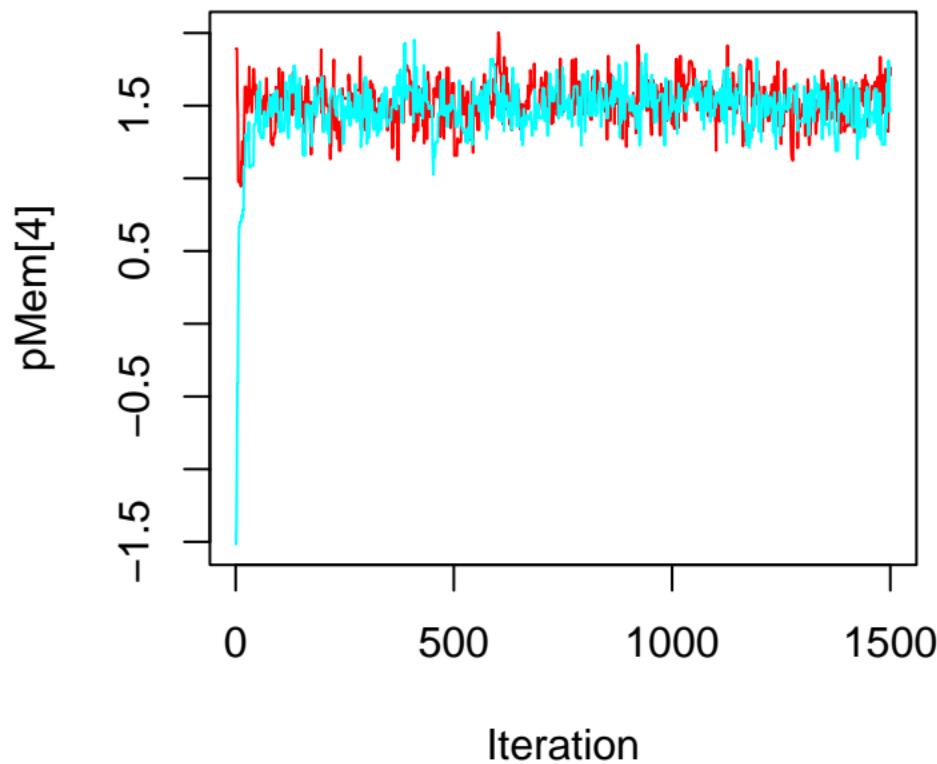
### Chain for pMem[3]



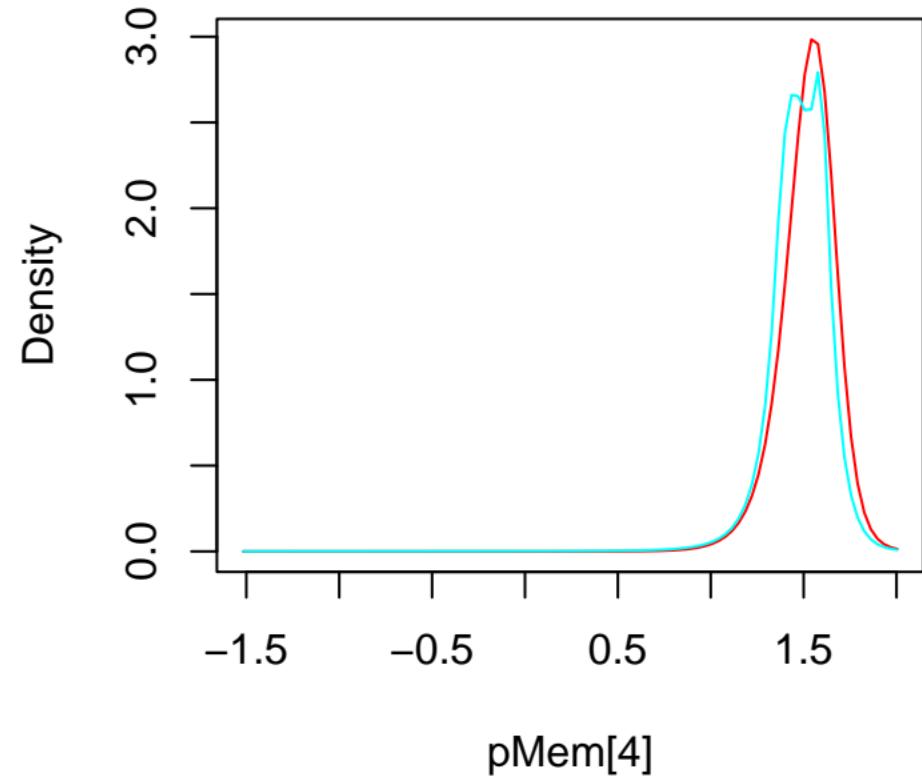
### Density for pMem[3]



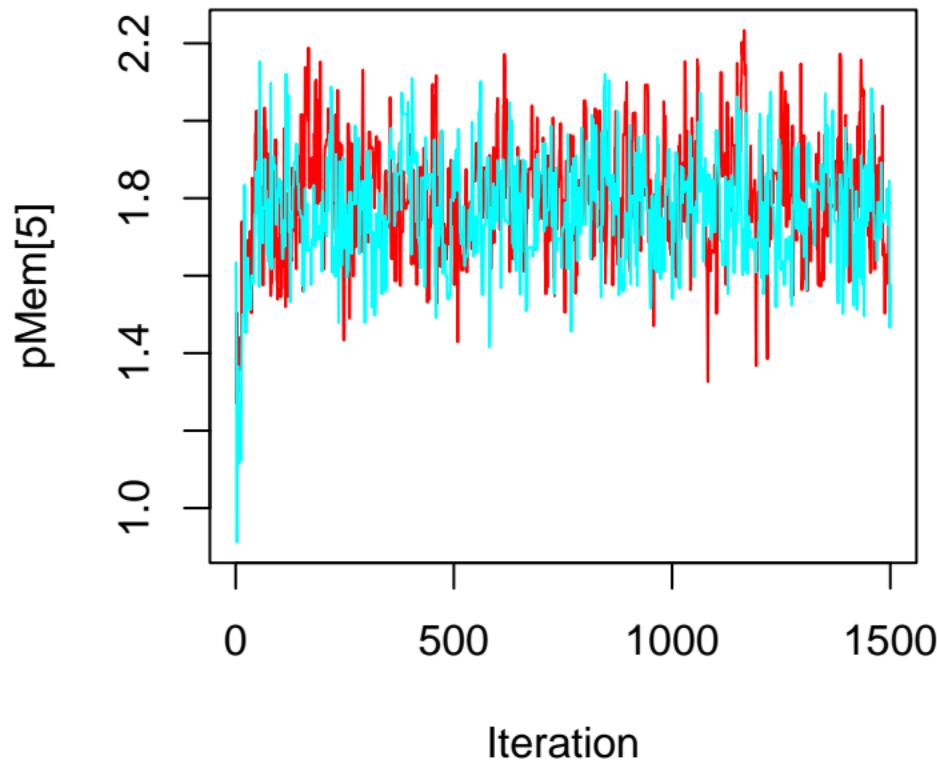
### Chain for pMem[4]



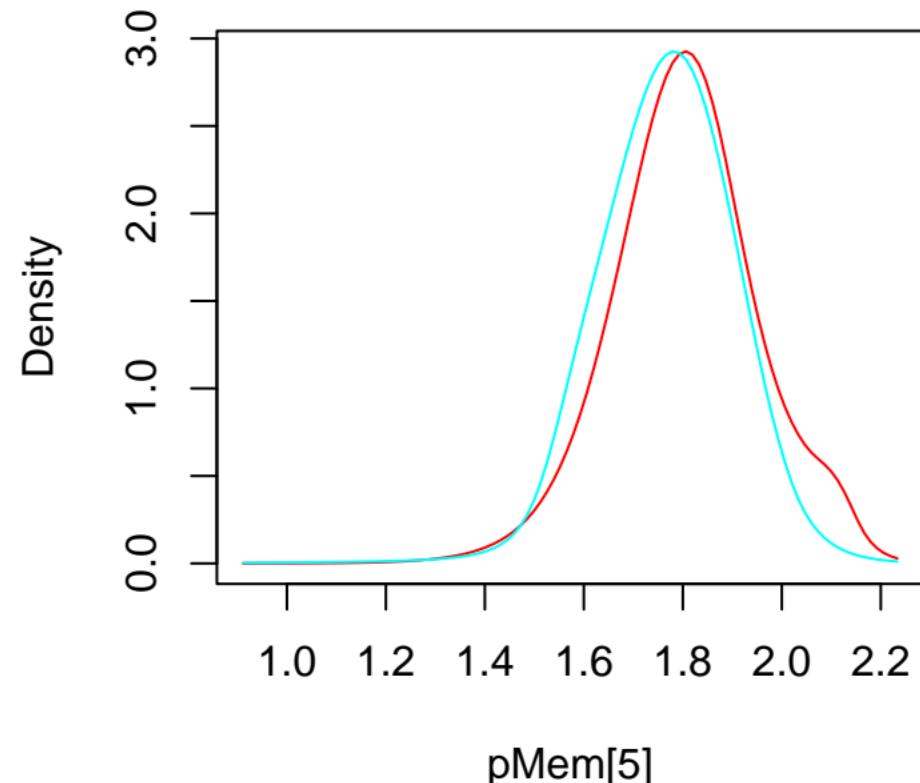
### Density for pMem[4]



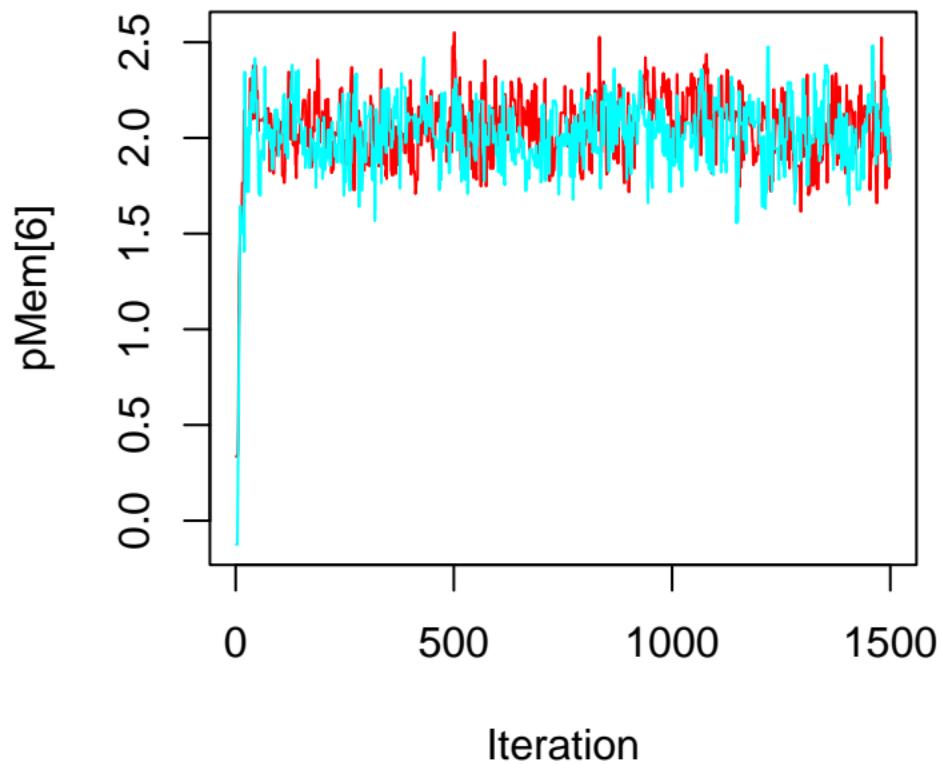
### Chain for pMem[5]



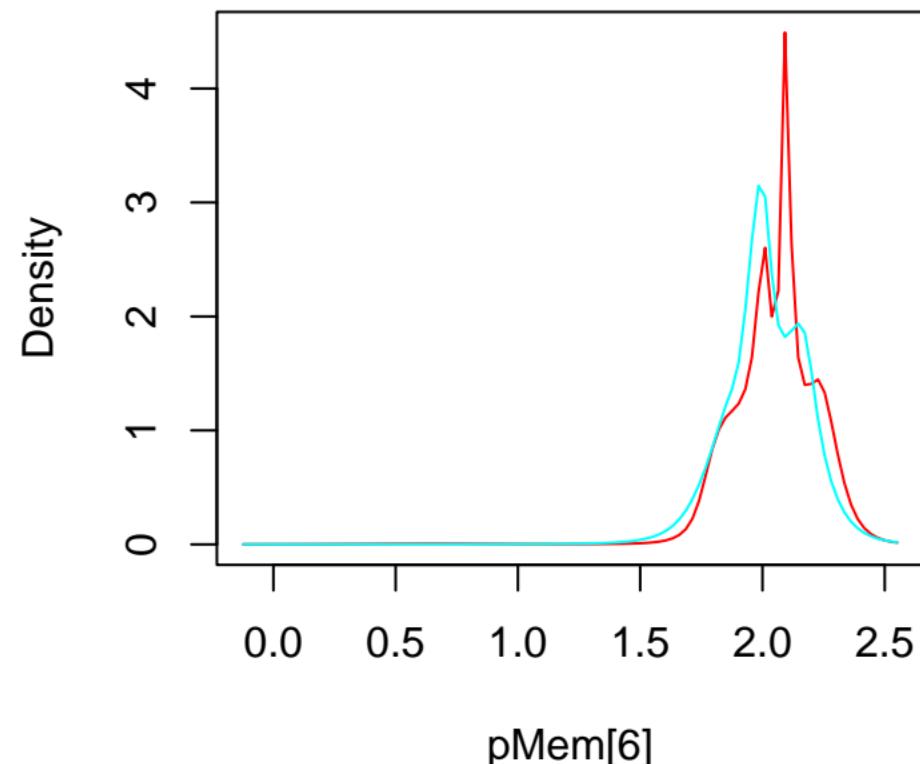
### Density for pMem[5]



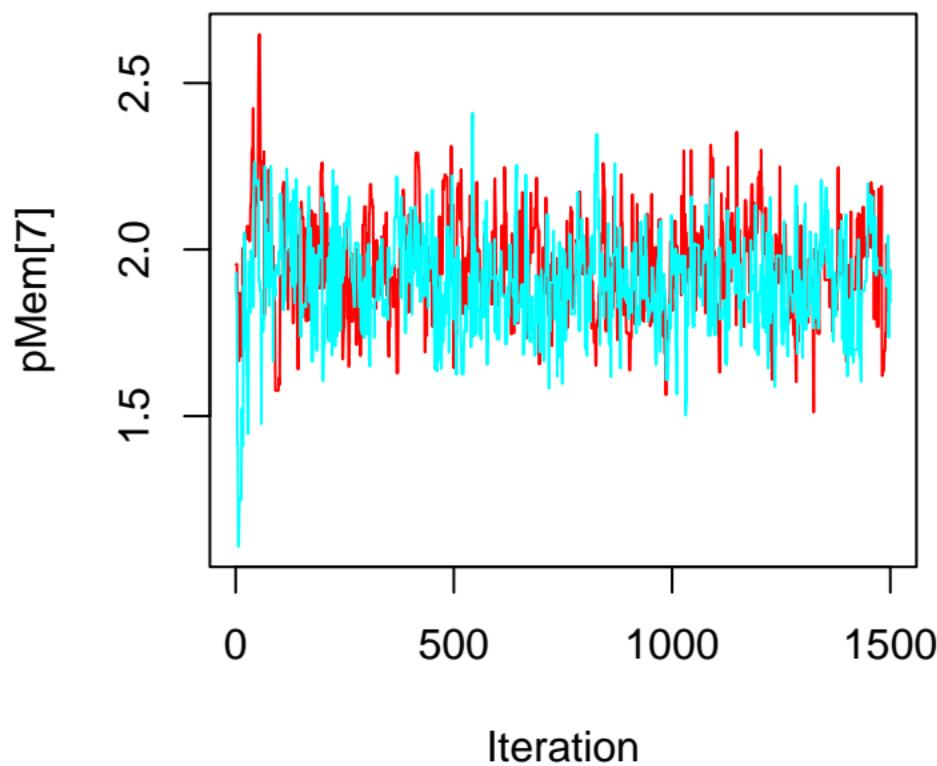
### Chain for pMem[6]



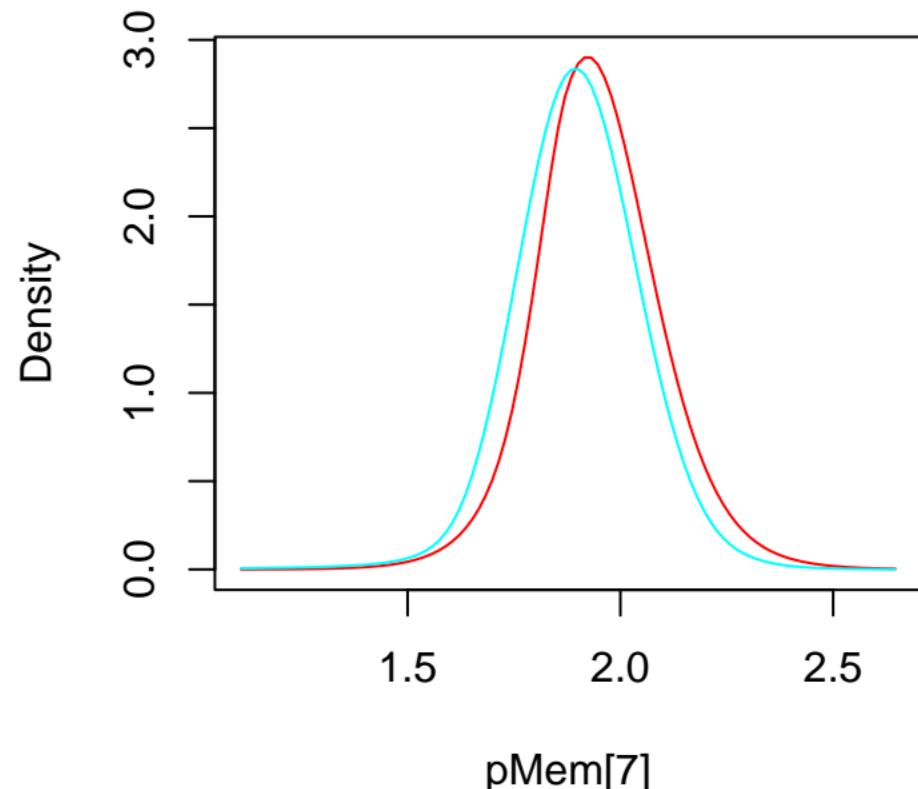
### Density for pMem[6]



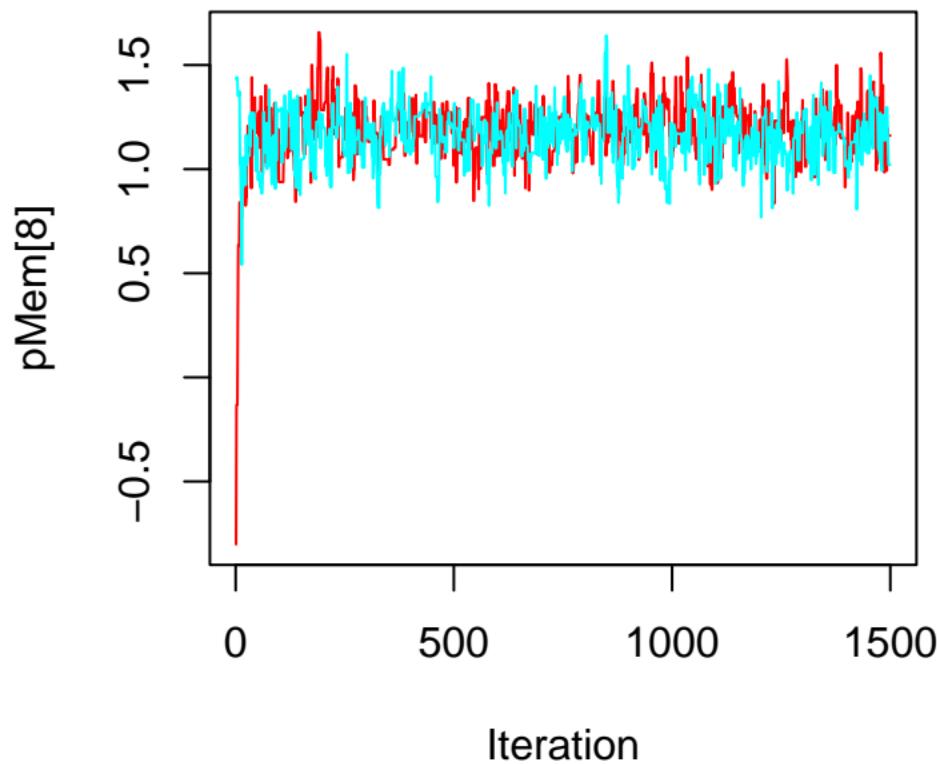
### Chain for pMem[7]



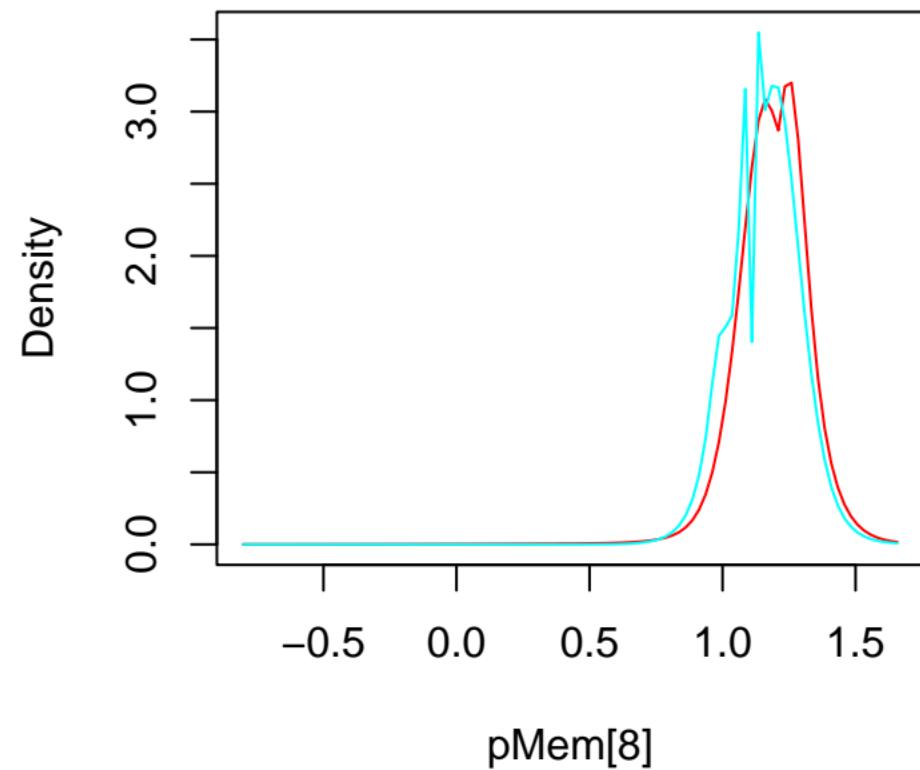
### Density for pMem[7]



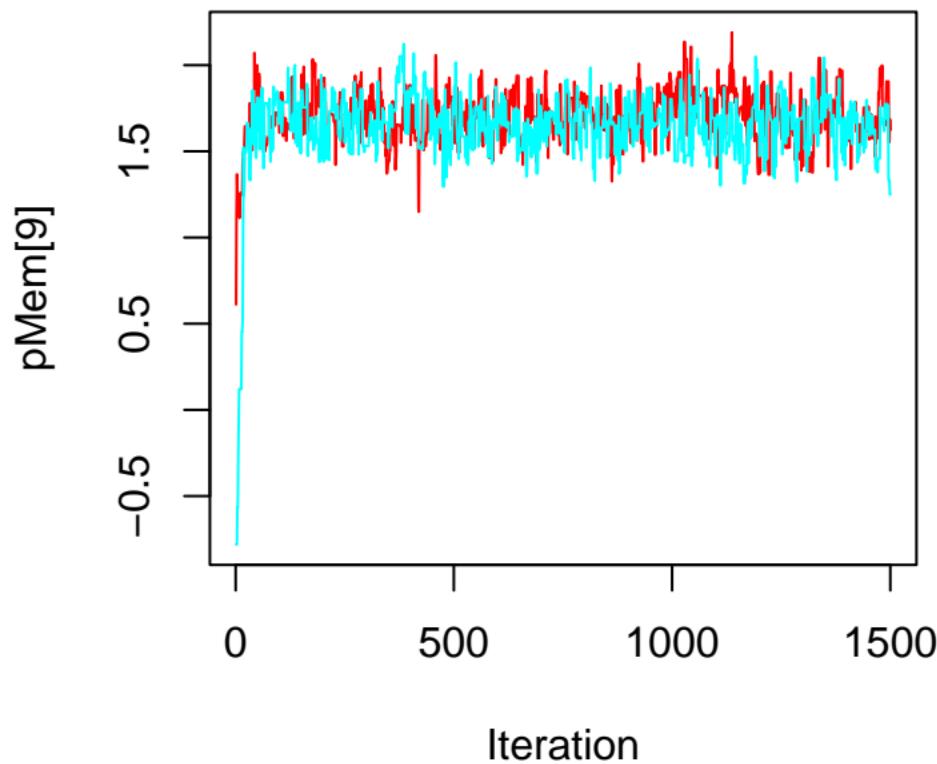
### Chain for pMem[8]



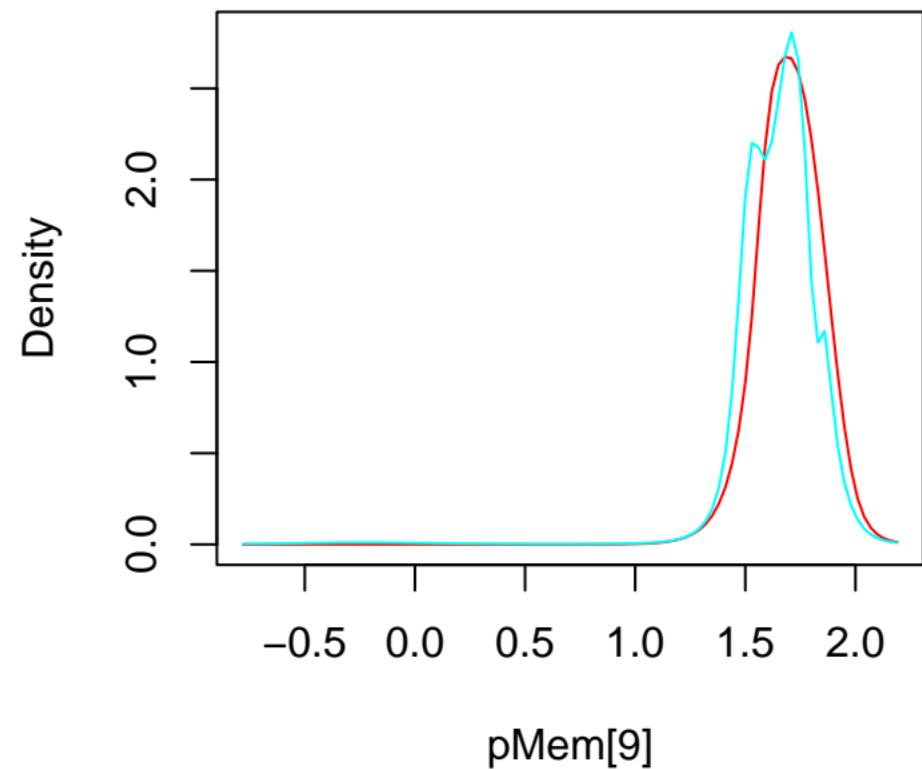
### Density for pMem[8]



### Chain for pMem[9]

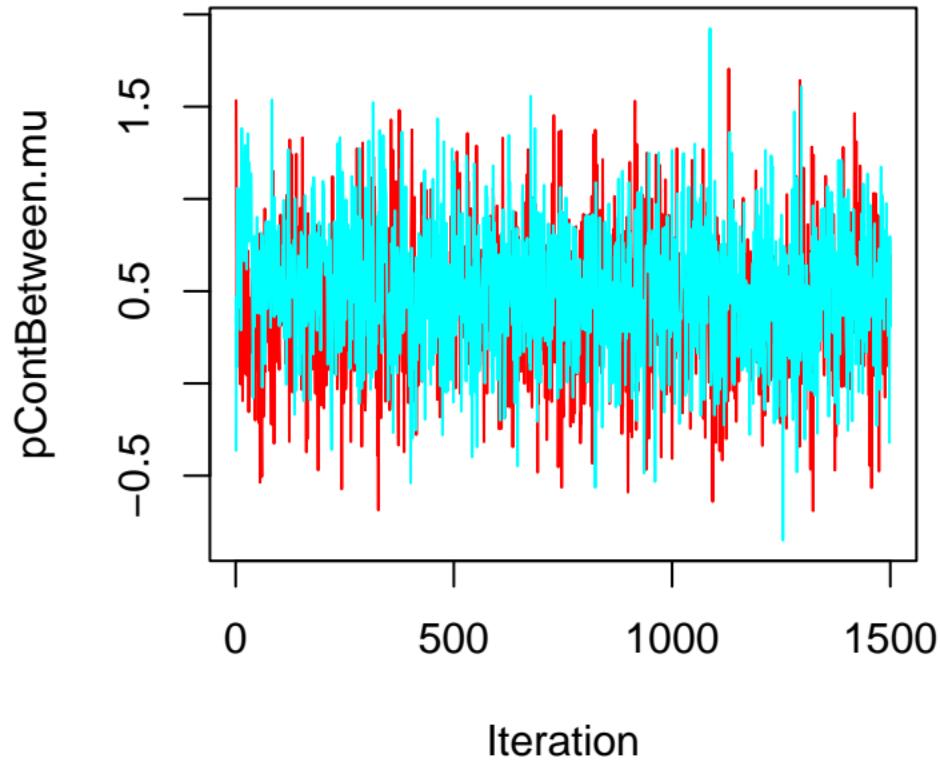


### Density for pMem[9]

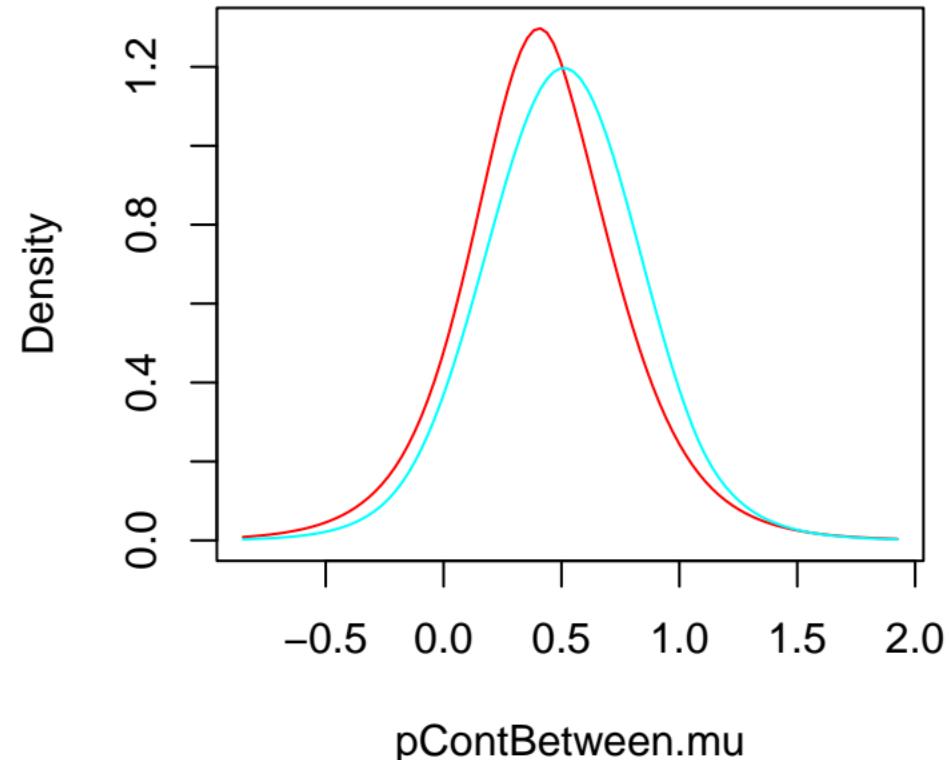


pContBetween

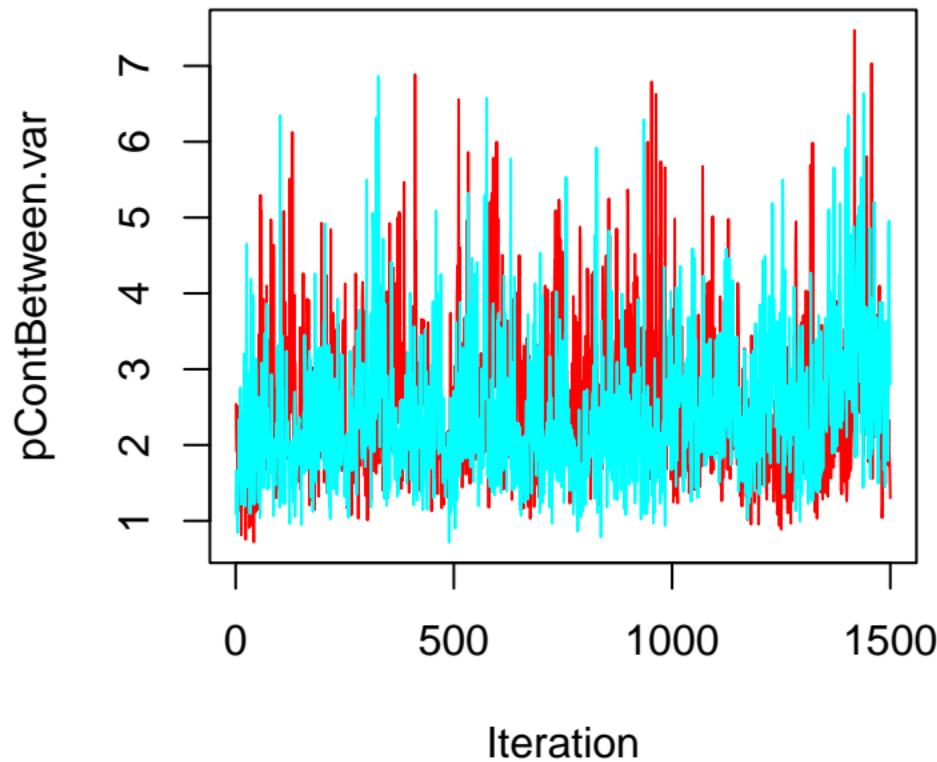
### Chain for pContBetween.mu



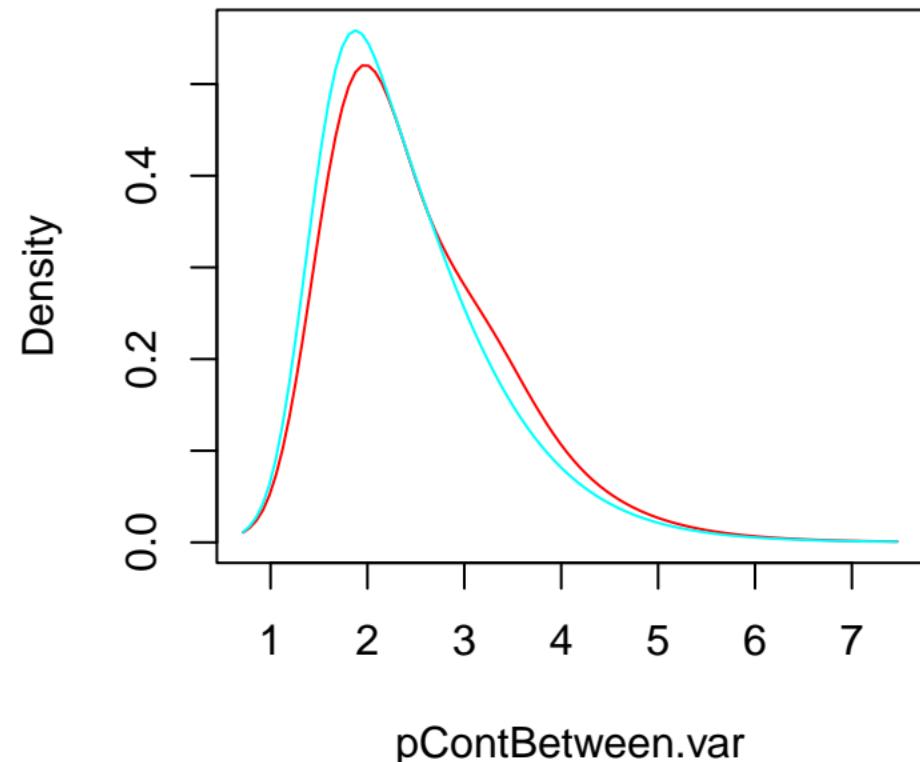
### Density for pContBetween.mu



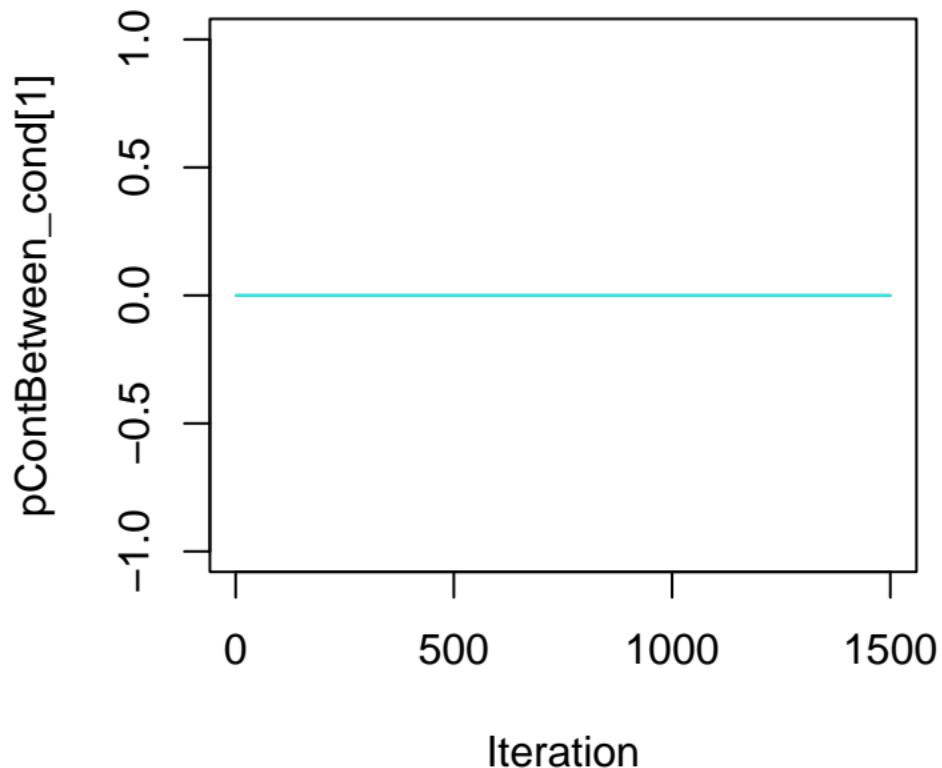
### Chain for pContBetween.var



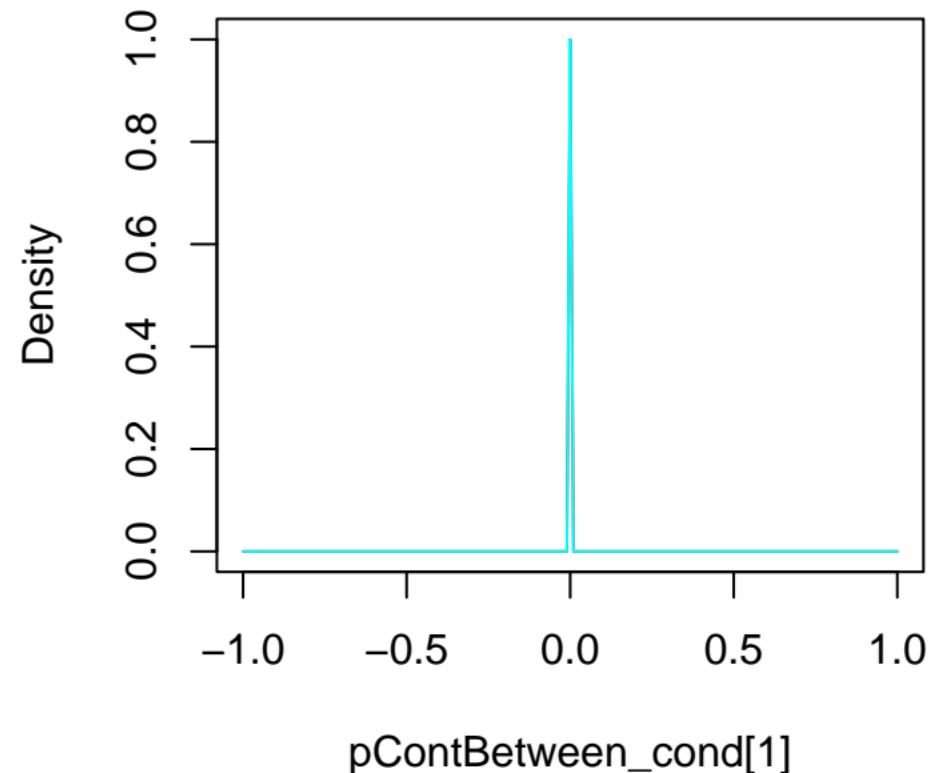
### Density for pContBetween.var



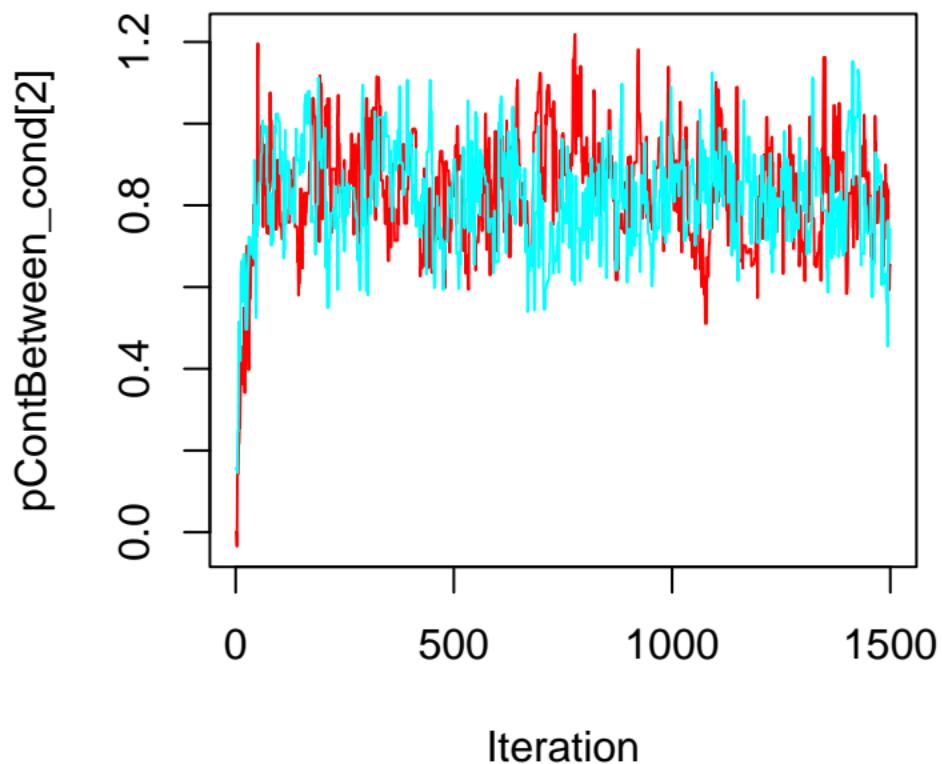
**Chain for pContBetween\_cond[1]**



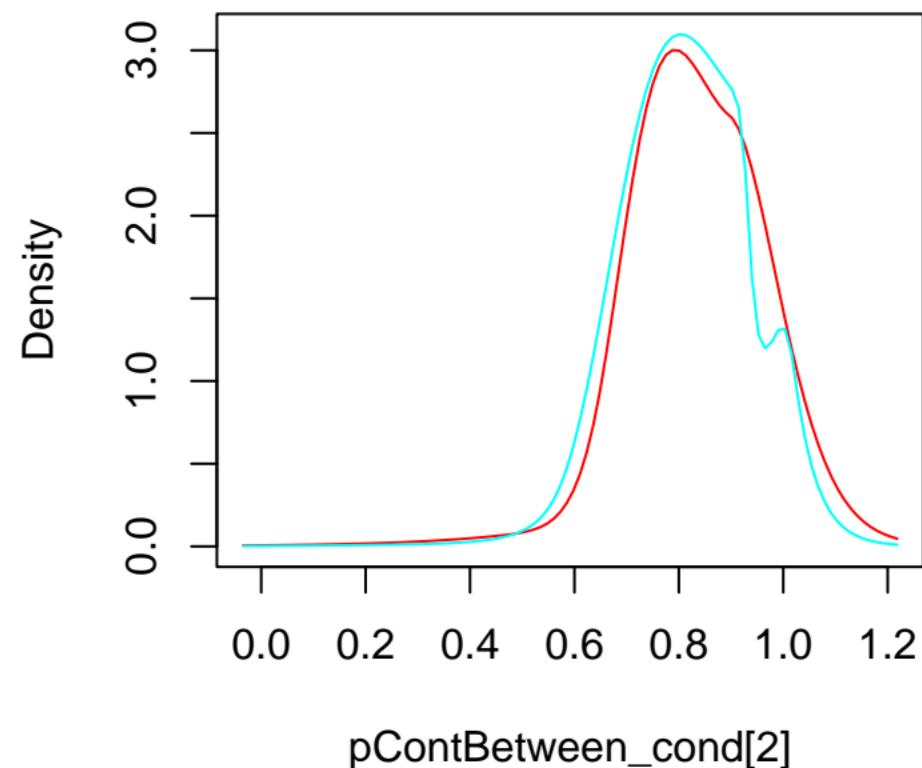
**Density for pContBetween\_cond[1]**



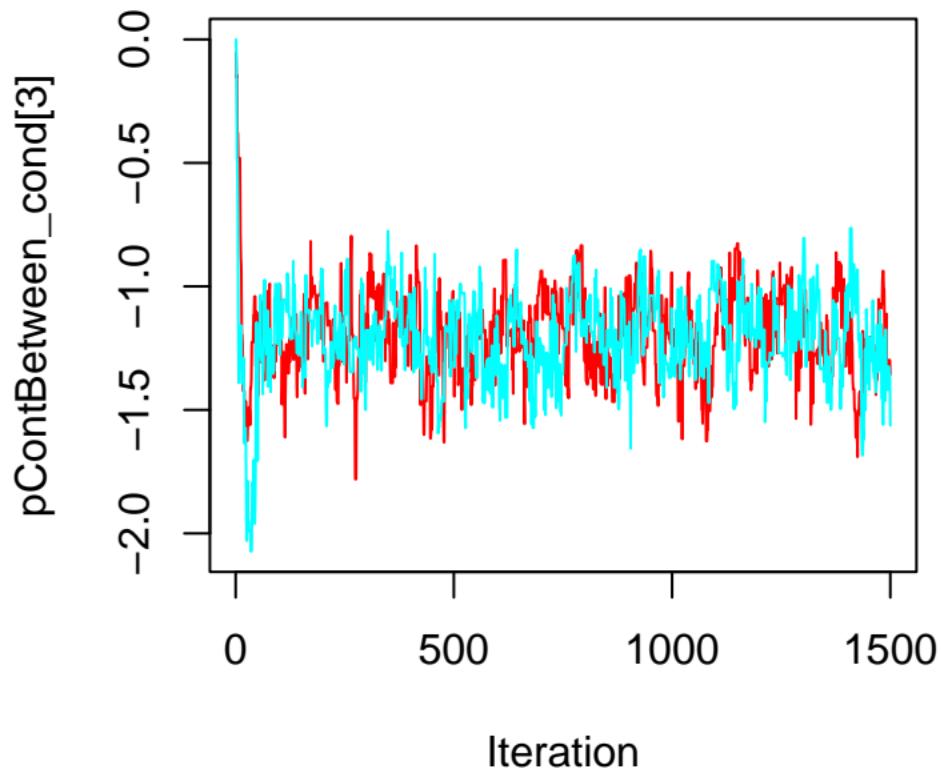
**Chain for pContBetween\_cond[2]**



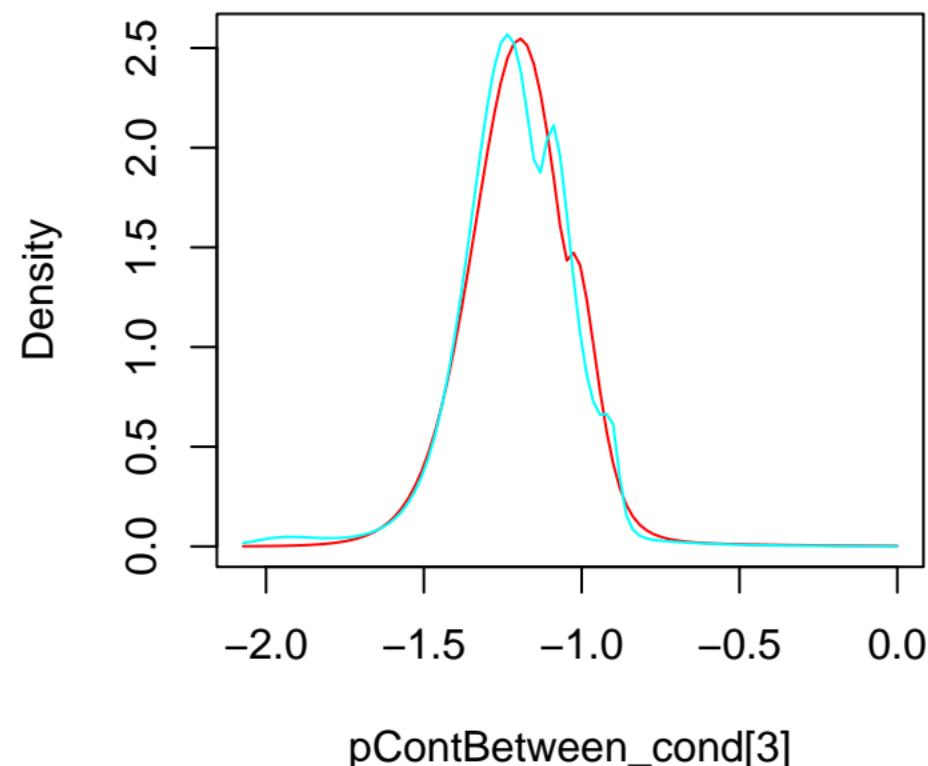
**Density for pContBetween\_cond[2]**



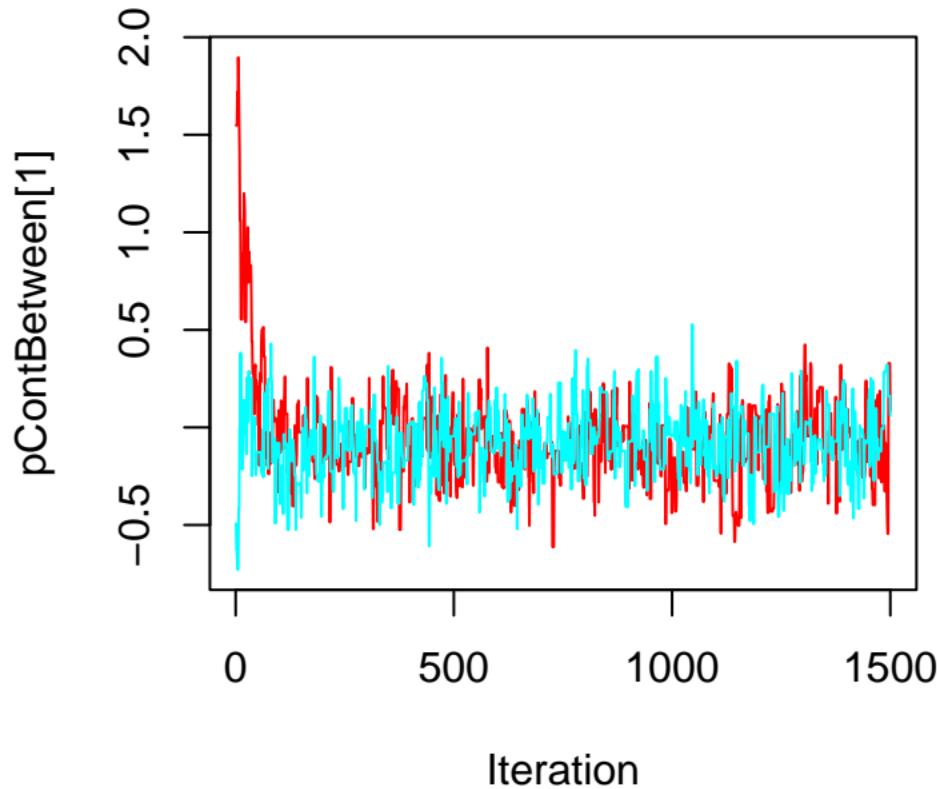
**Chain for pContBetween\_cond[3]**



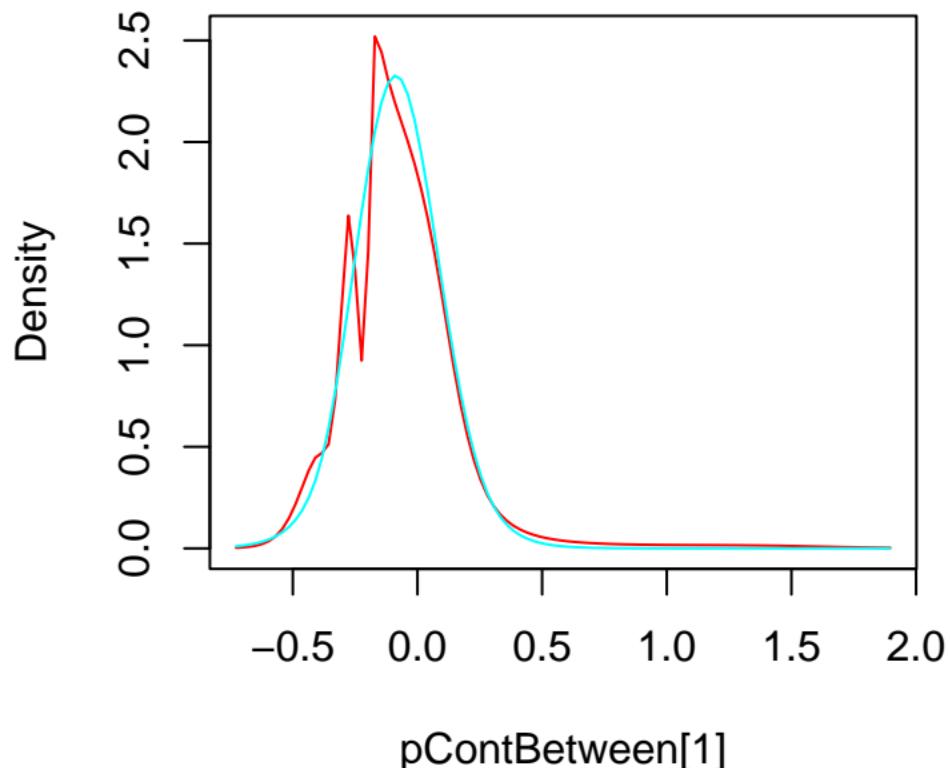
**Density for pContBetween\_cond[3]**



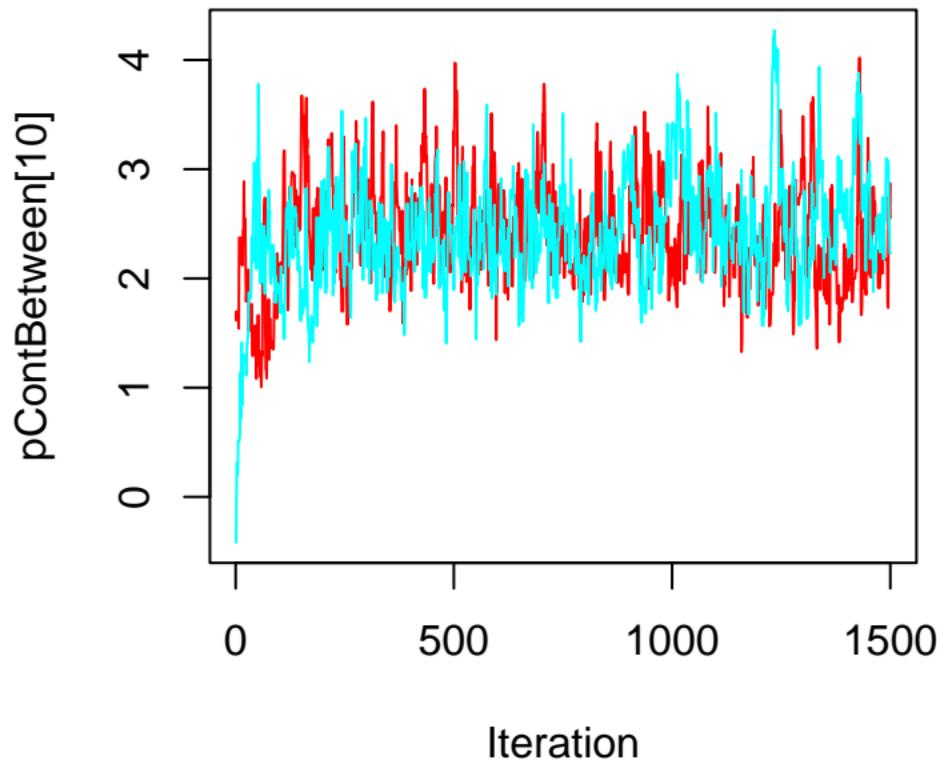
### Chain for pContBetween[1]



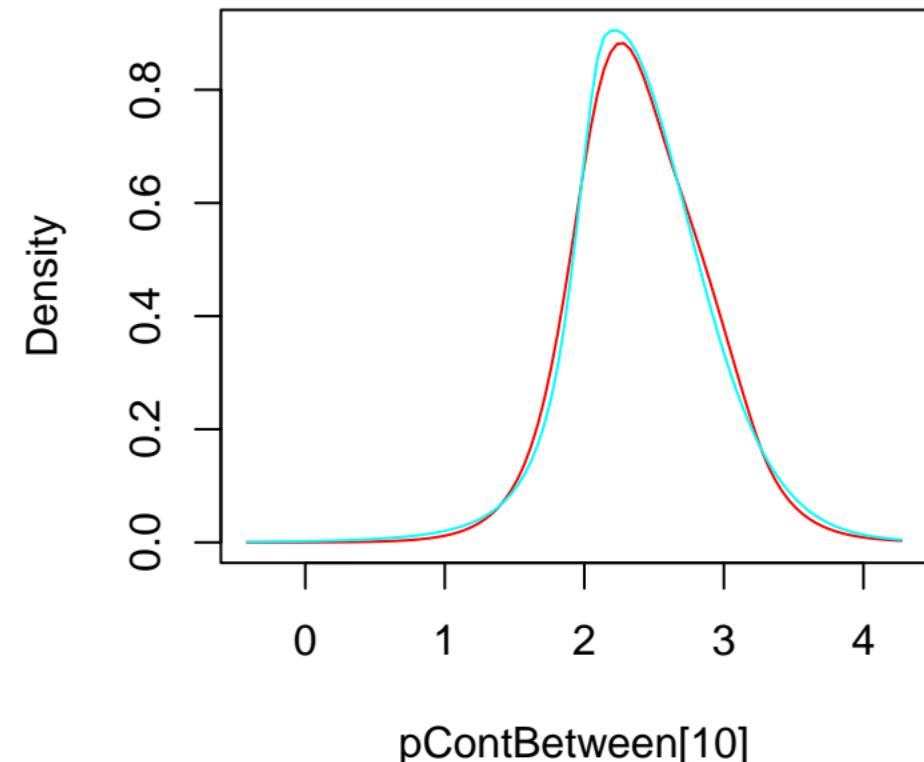
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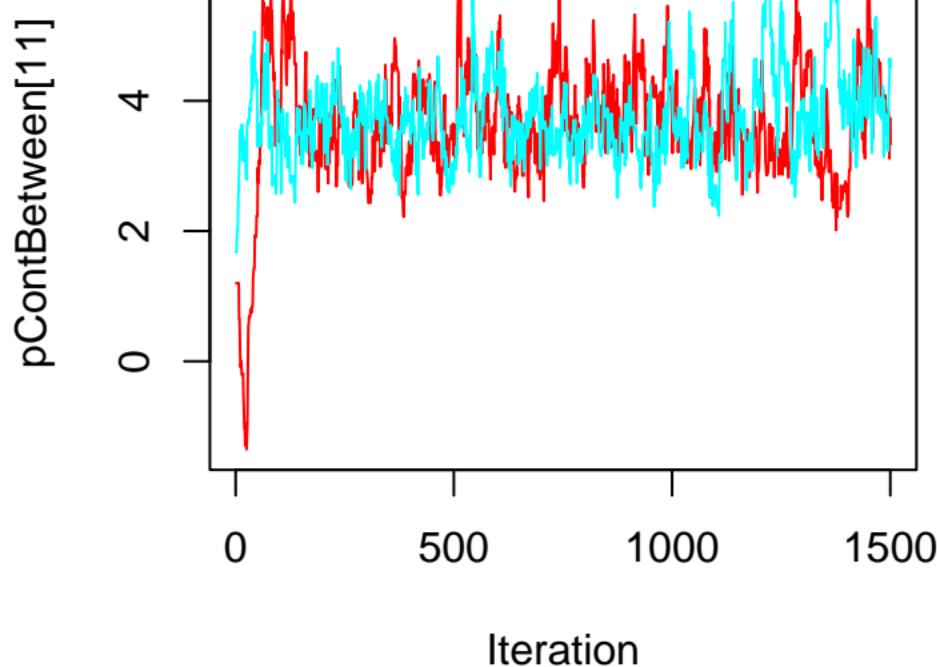
### Chain for pContBetween[10]



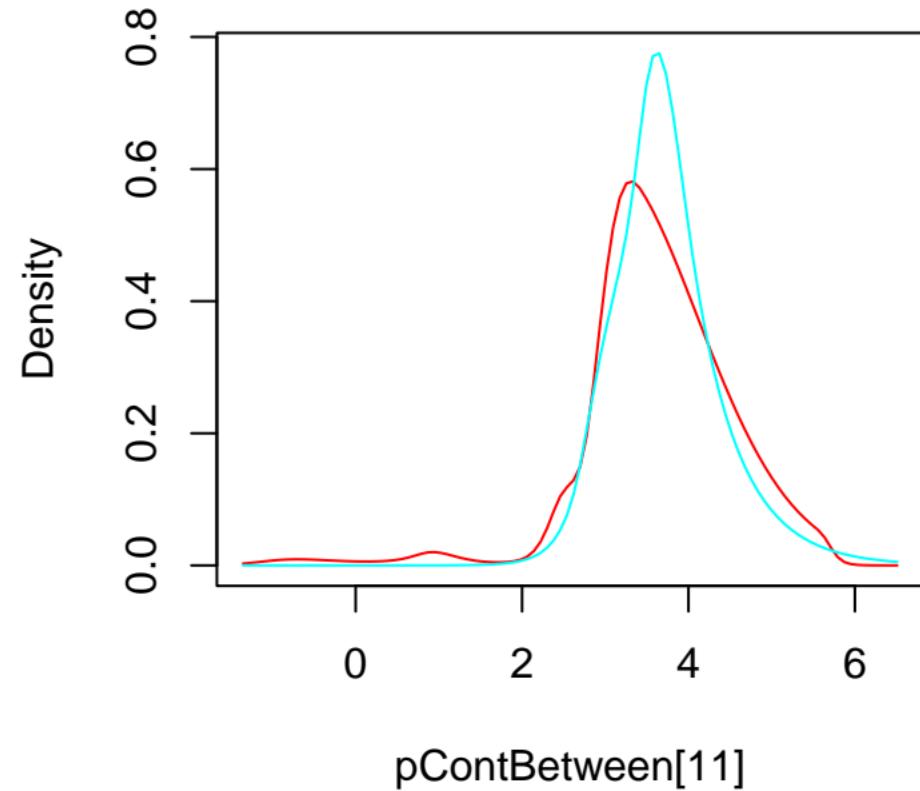
### Density for pContBetween[10]



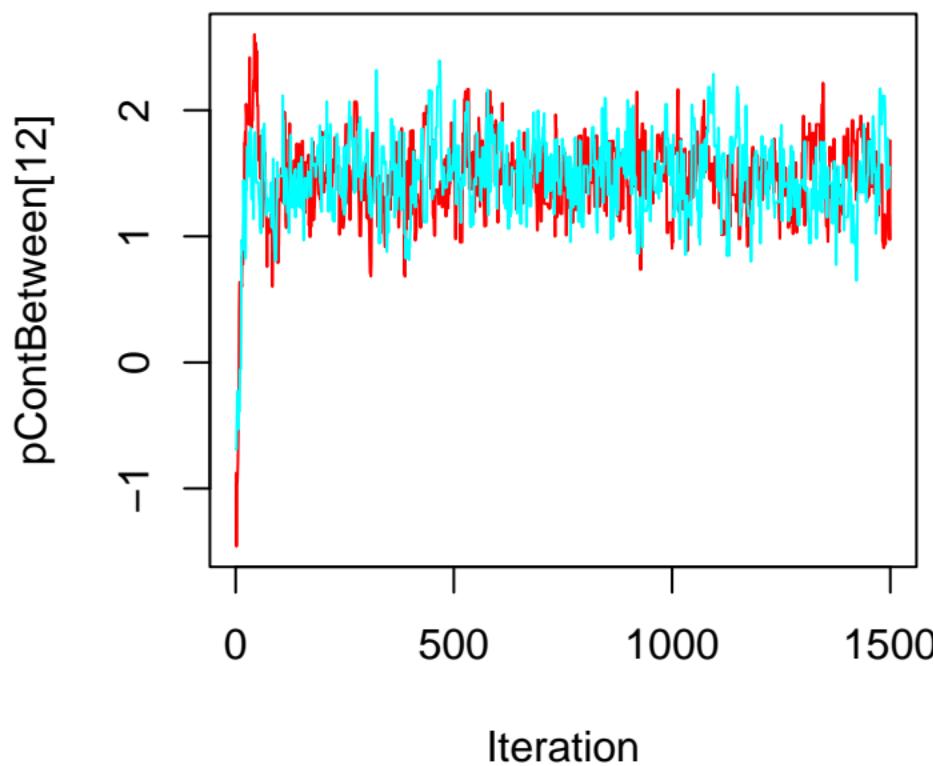
### Chain for pContBetween[11]



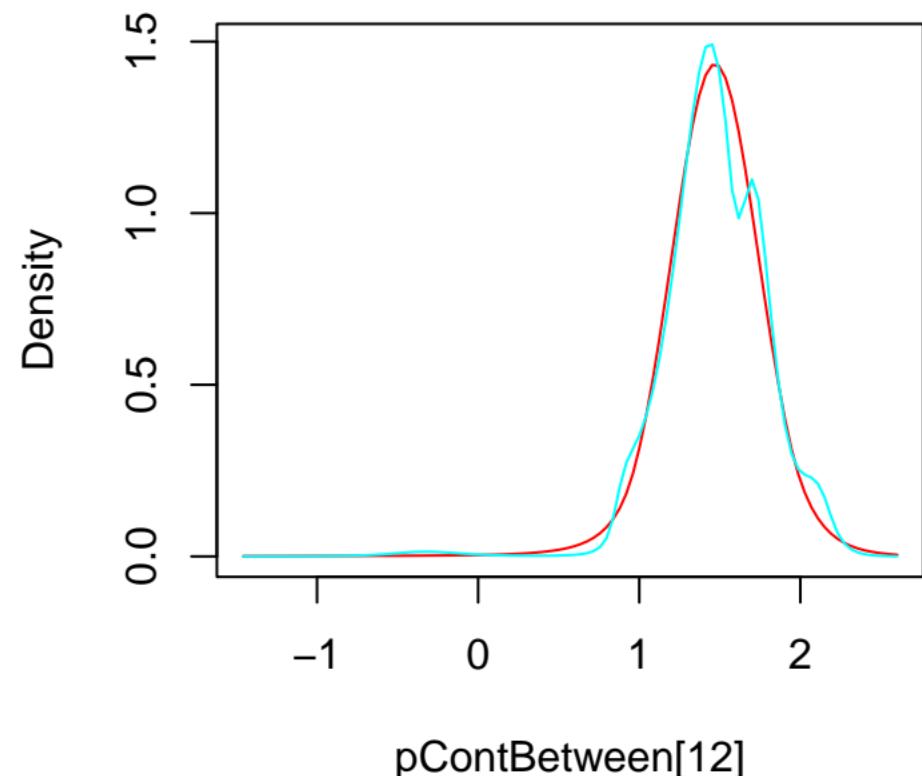
### Density for pContBetween[11]



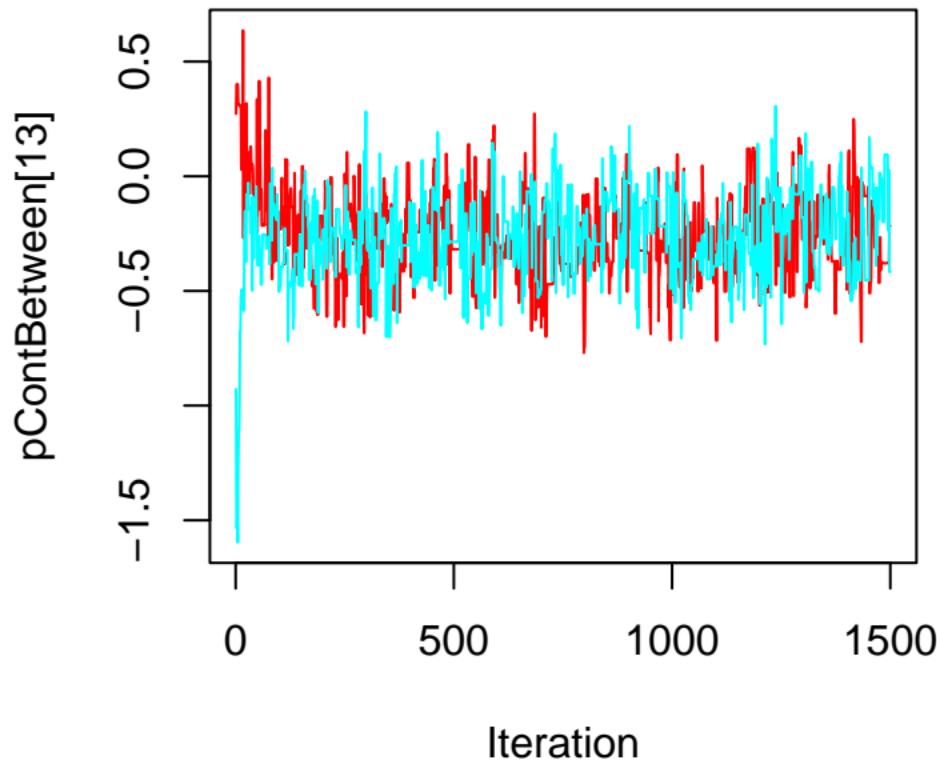
### Chain for pContBetween[12]



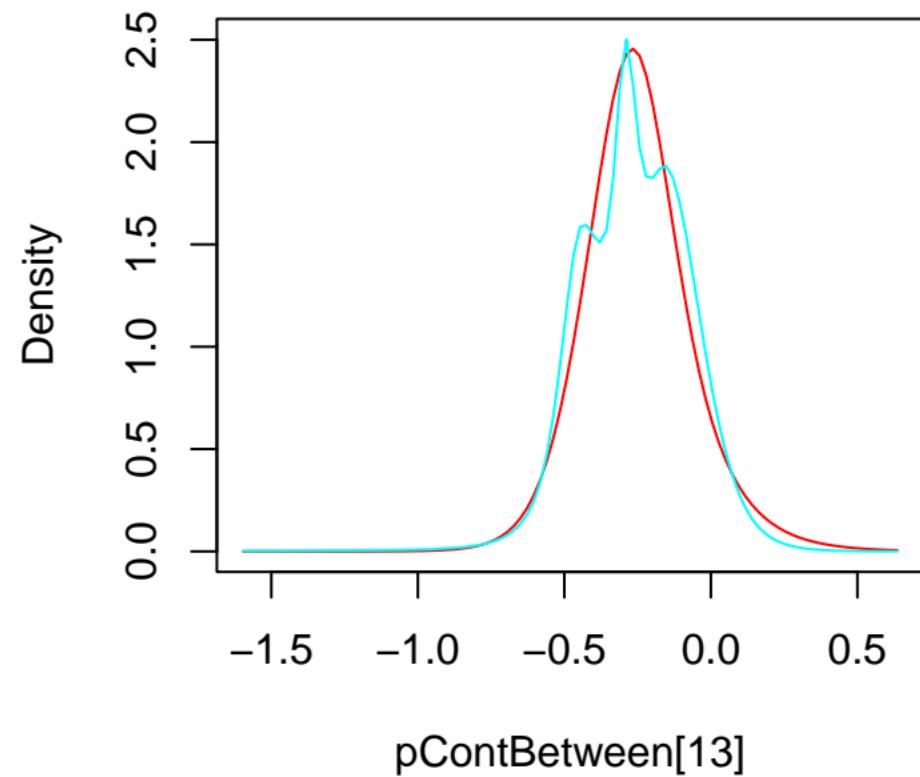
### Density for pContBetween[12]



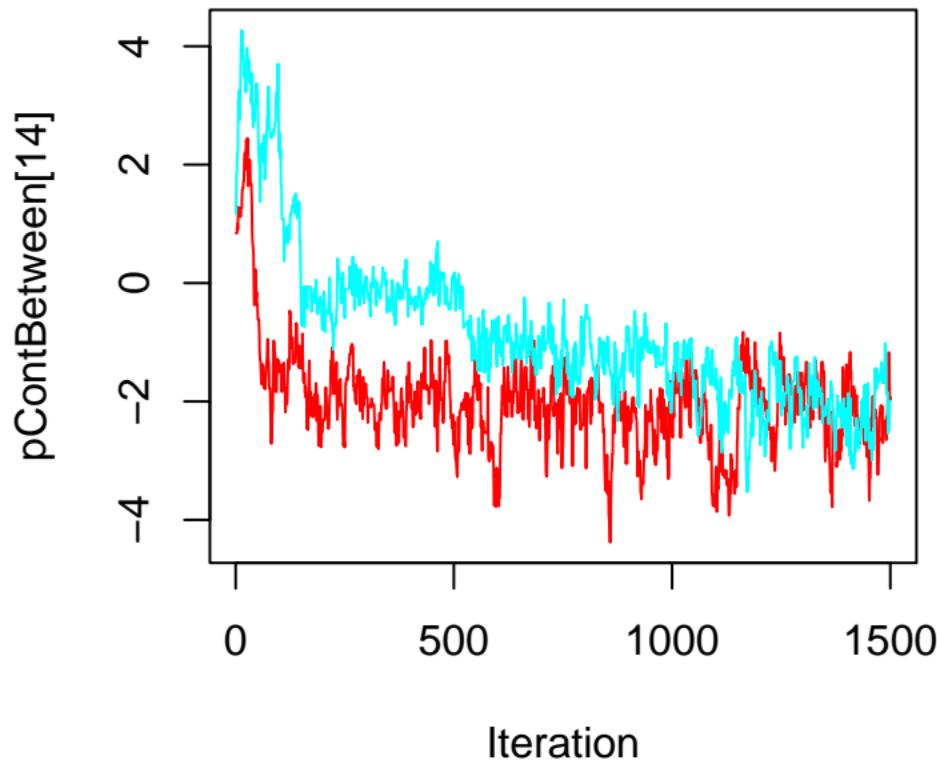
### Chain for pContBetween[13]



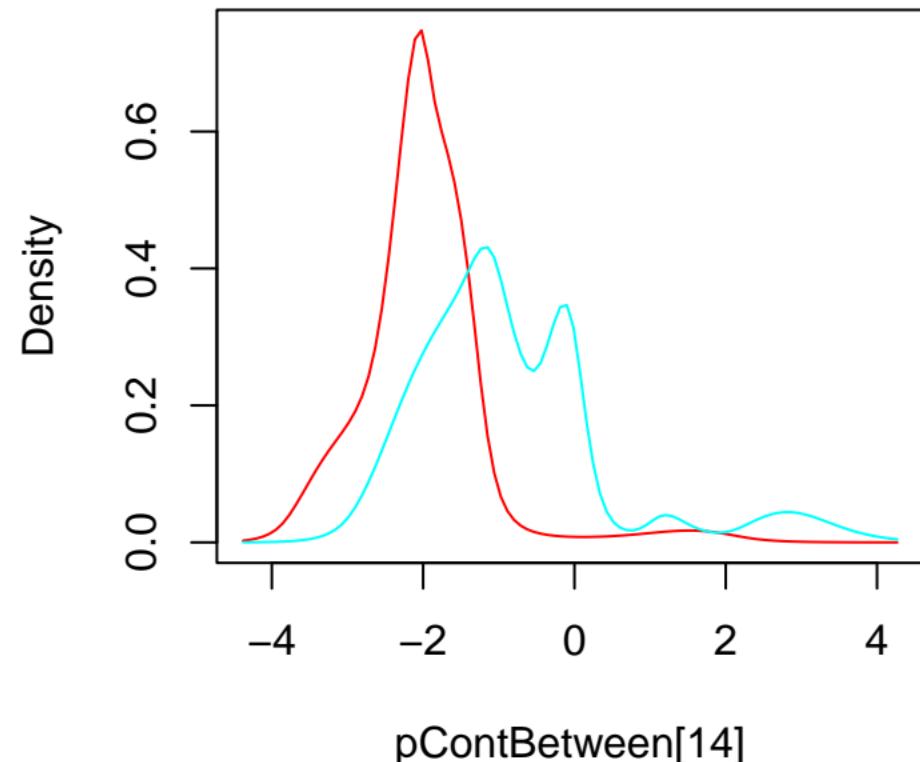
### Density for pContBetween[13]



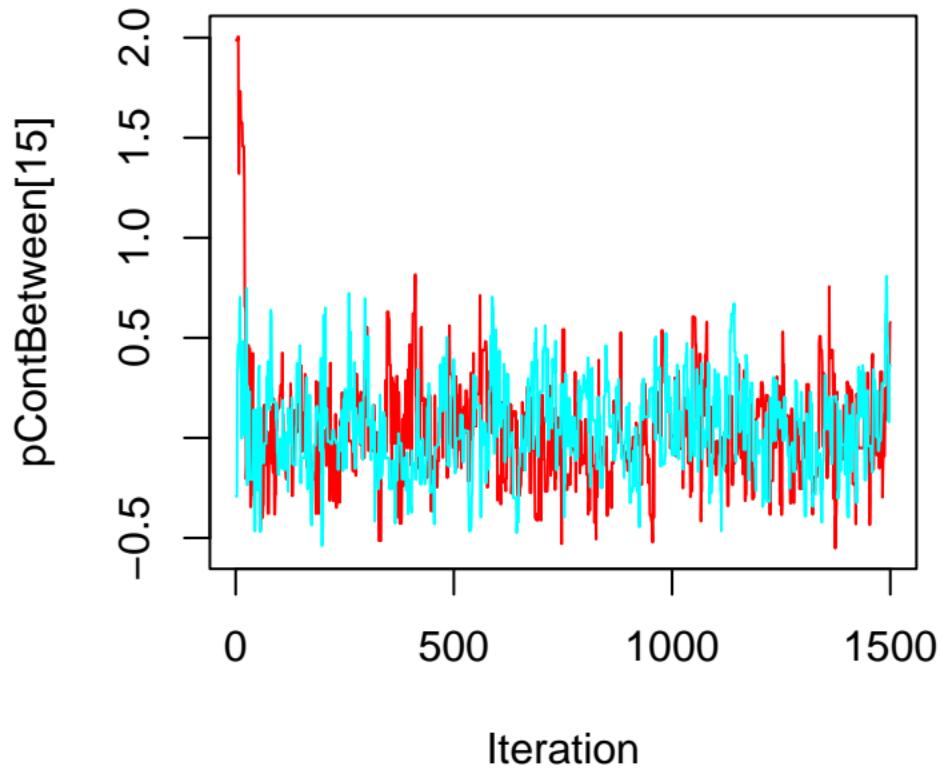
**Chain for pContBetween[14]**



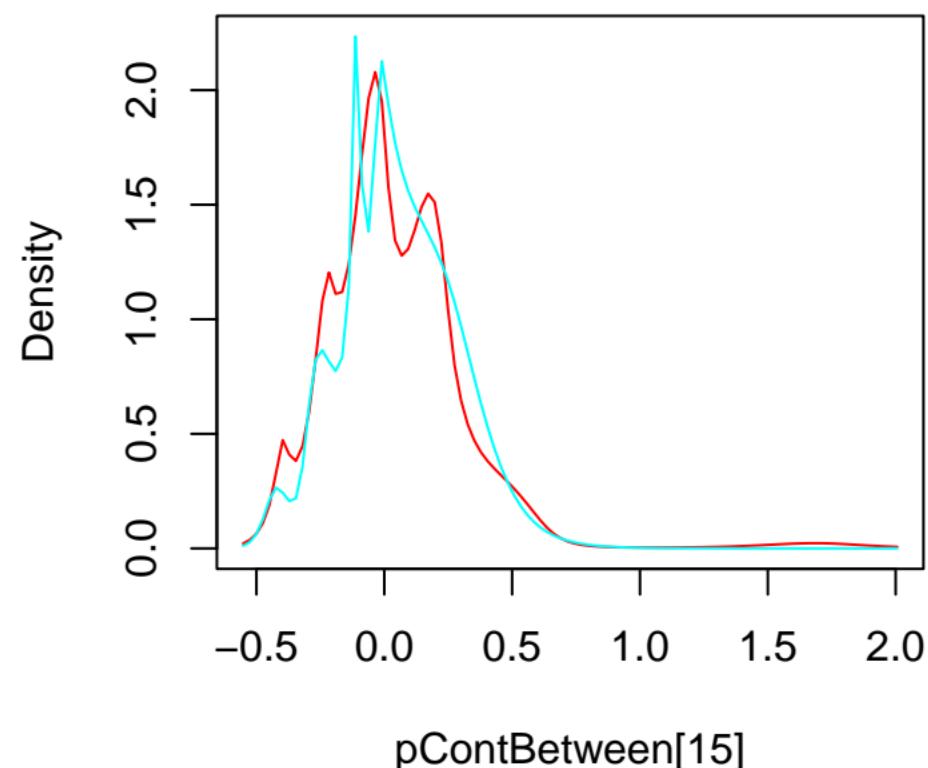
**Density for pContBetween[14]**



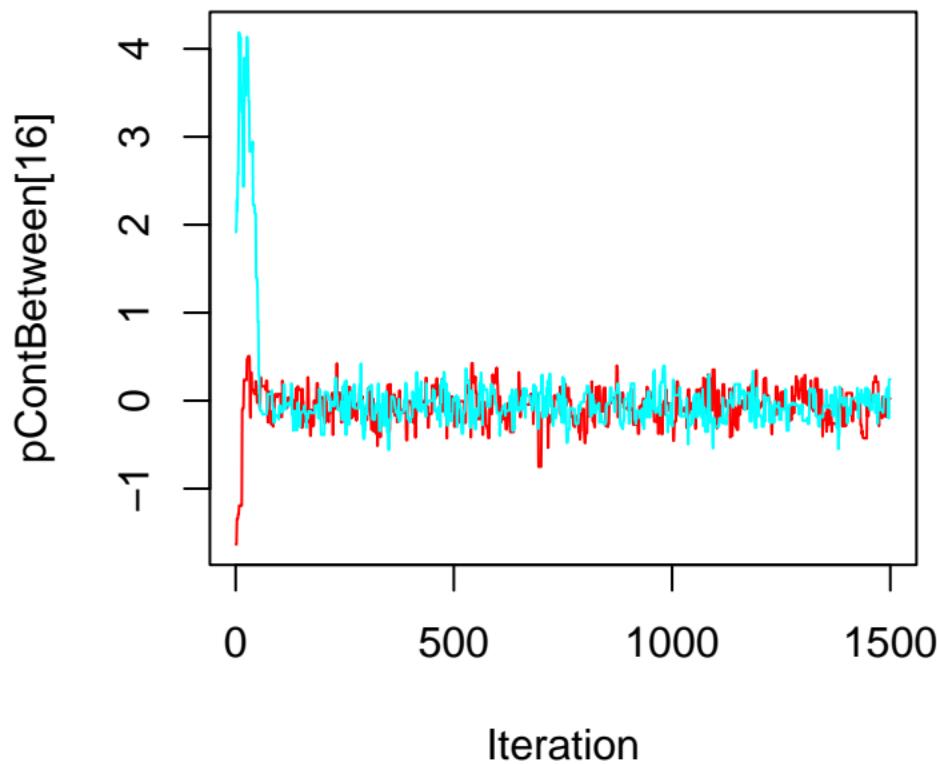
### Chain for pContBetween[15]



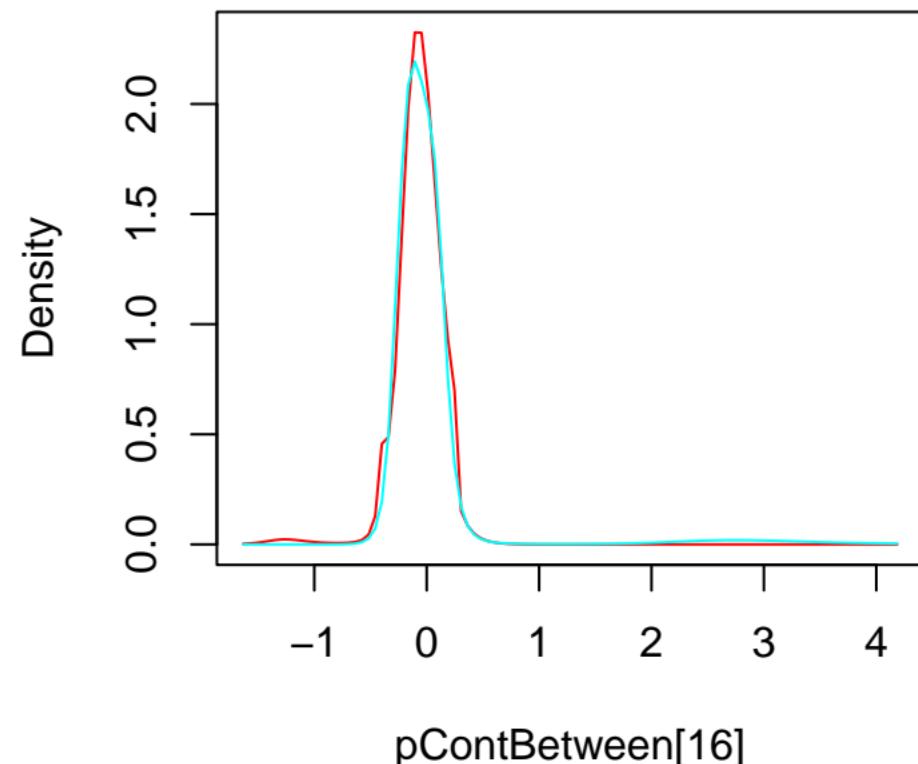
### Density for pContBetween[15]



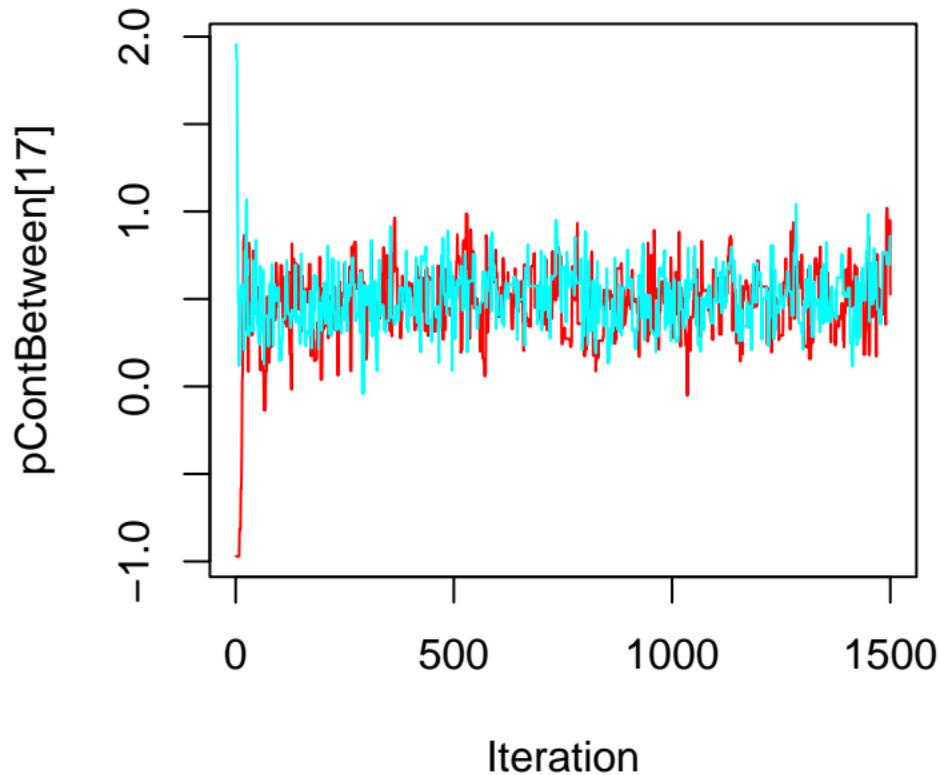
### Chain for pContBetween[16]



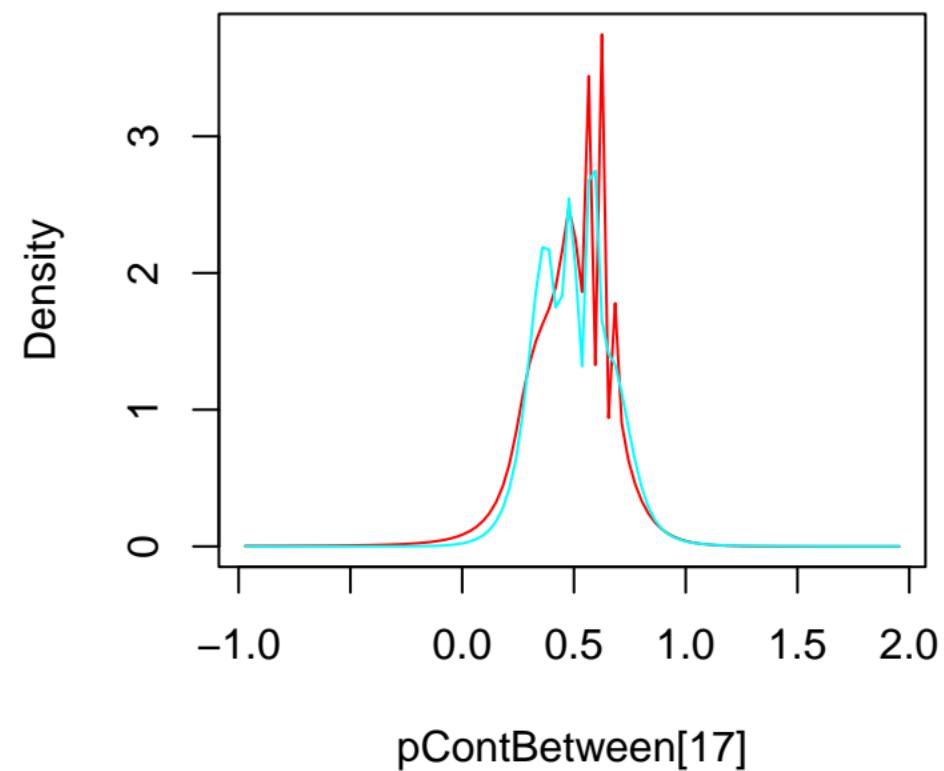
### Density for pContBetween[16]



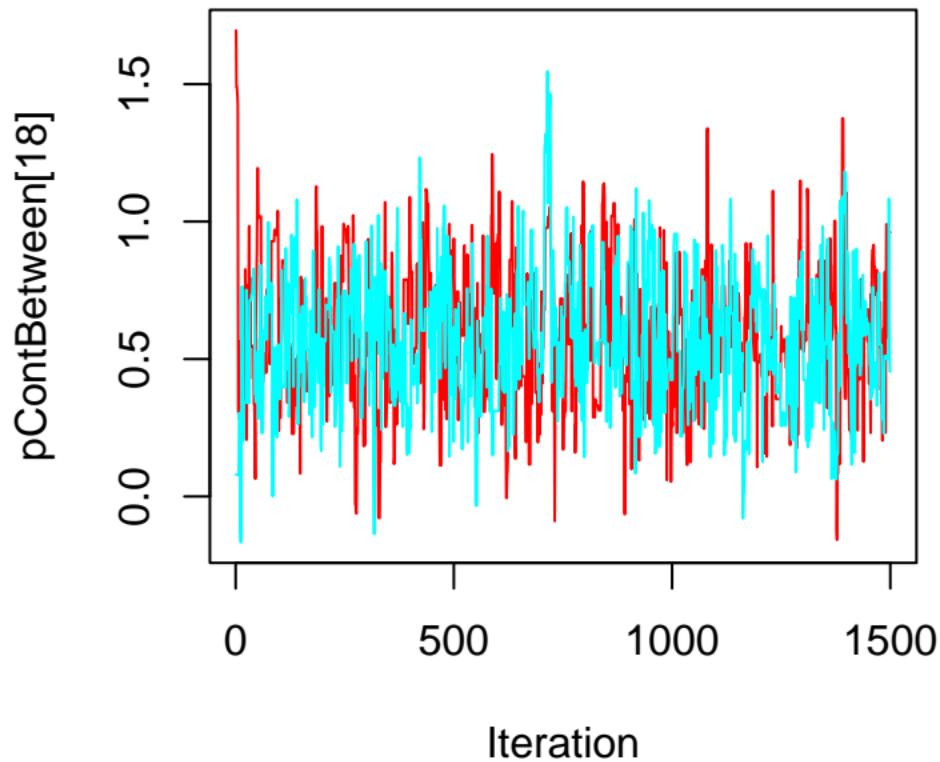
### Chain for pContBetween[17]



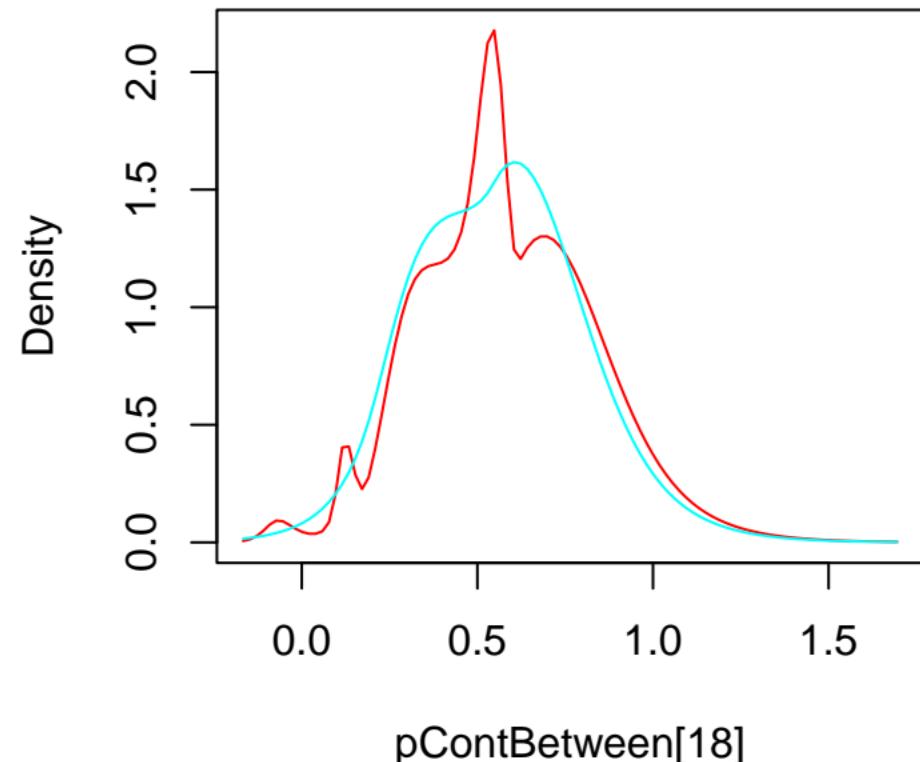
### Density for pContBetween[17]



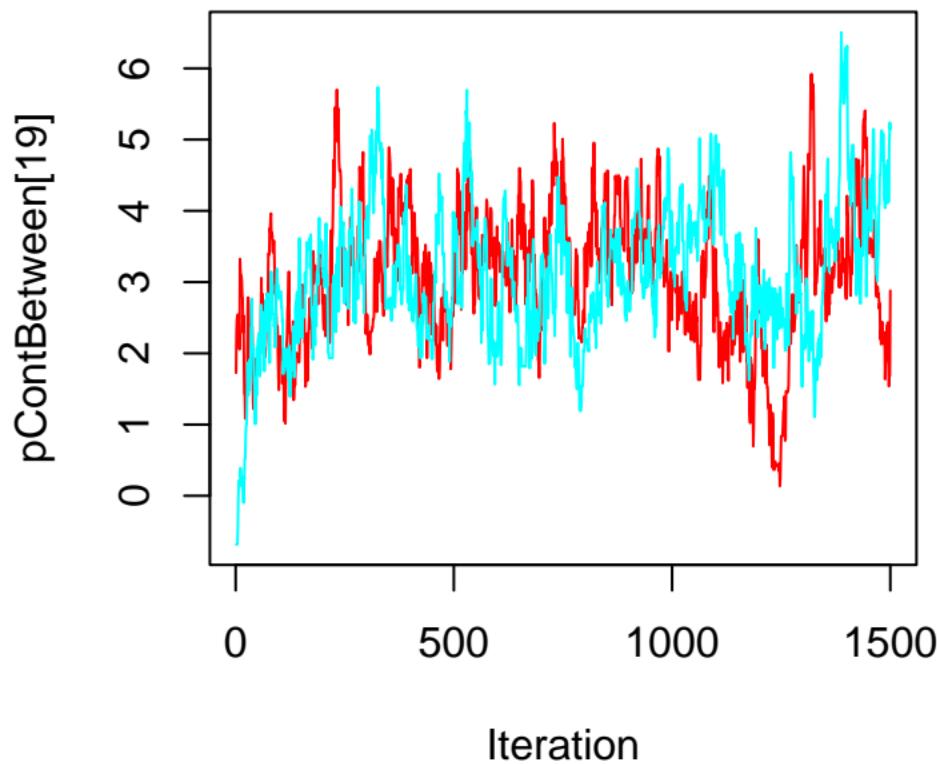
### Chain for pContBetween[18]



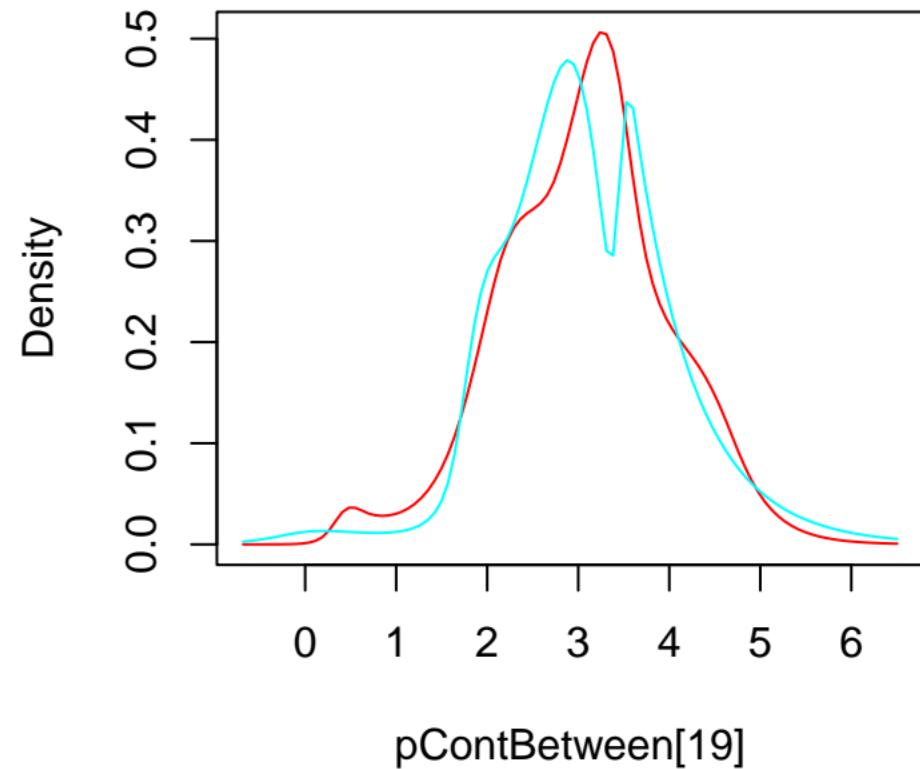
### Density for pContBetween[18]



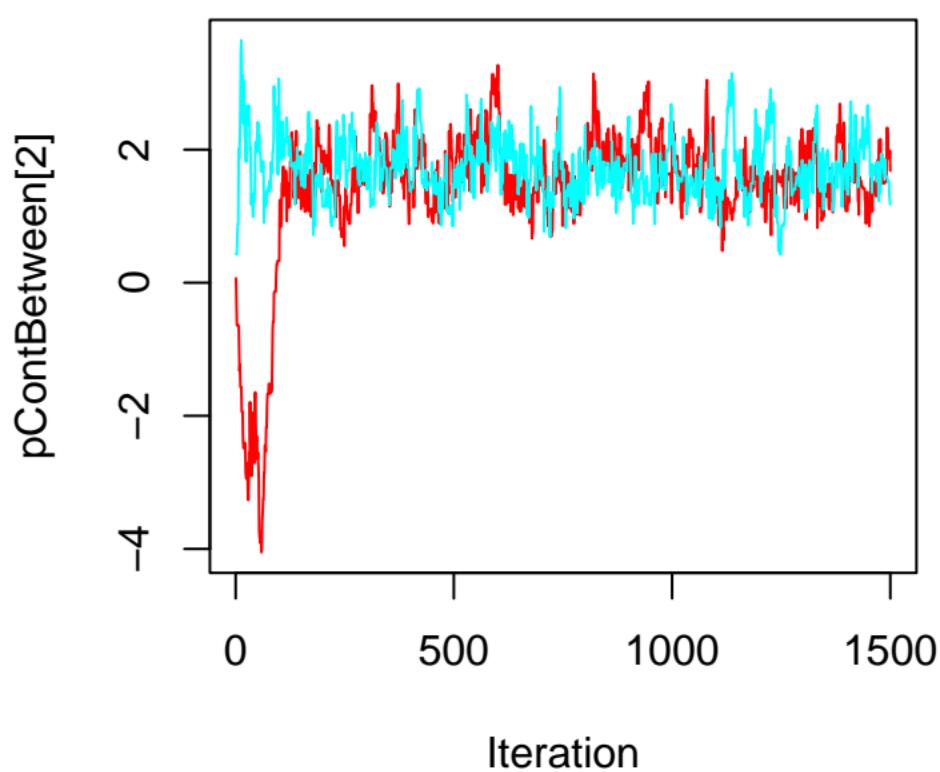
### Chain for pContBetween[19]



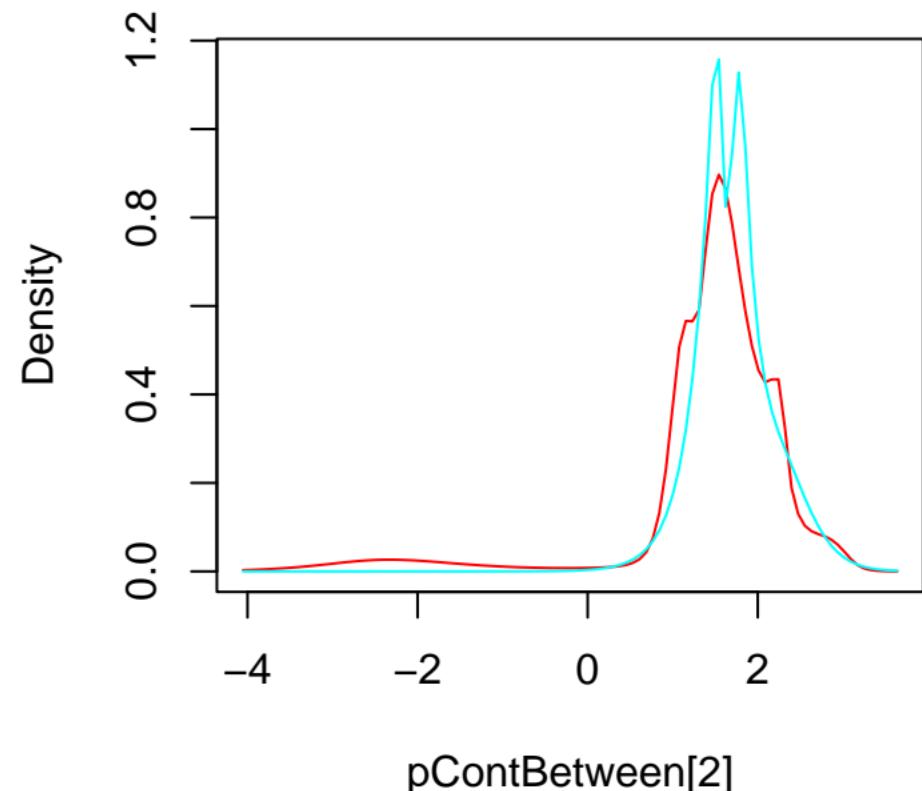
### Density for pContBetween[19]



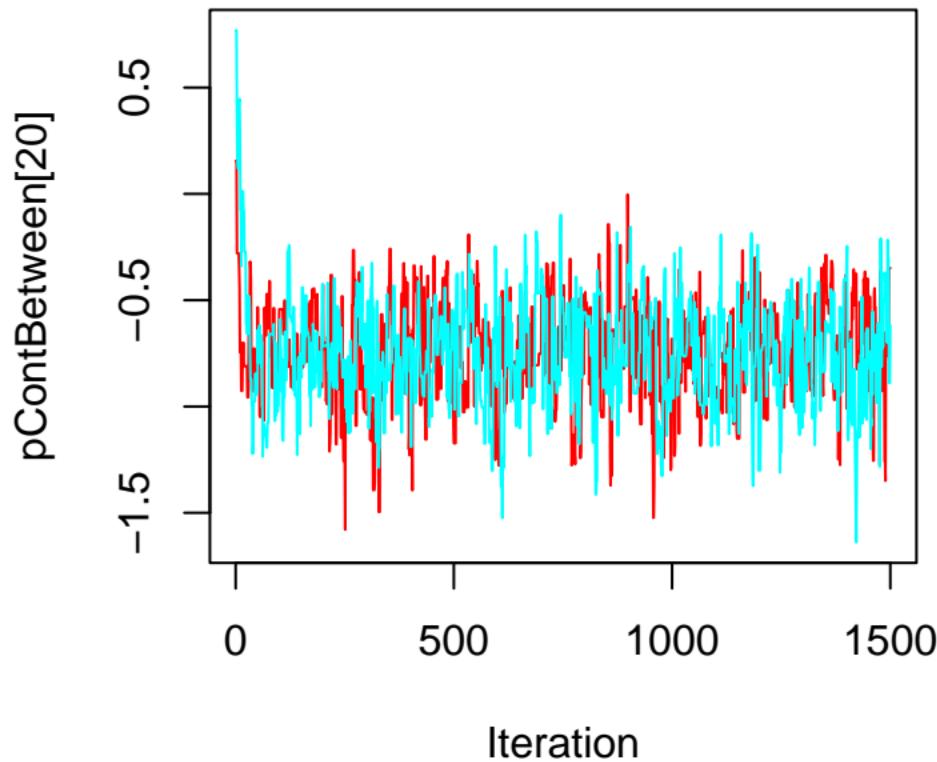
**Chain for pContBetween[2]**



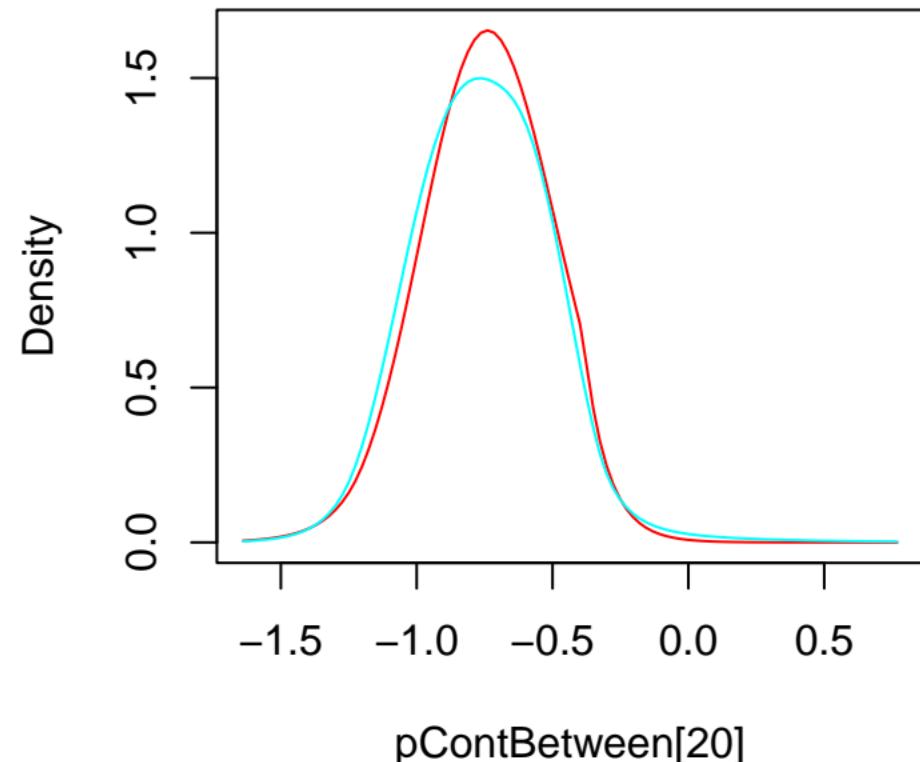
**Density for pContBetween[2]**



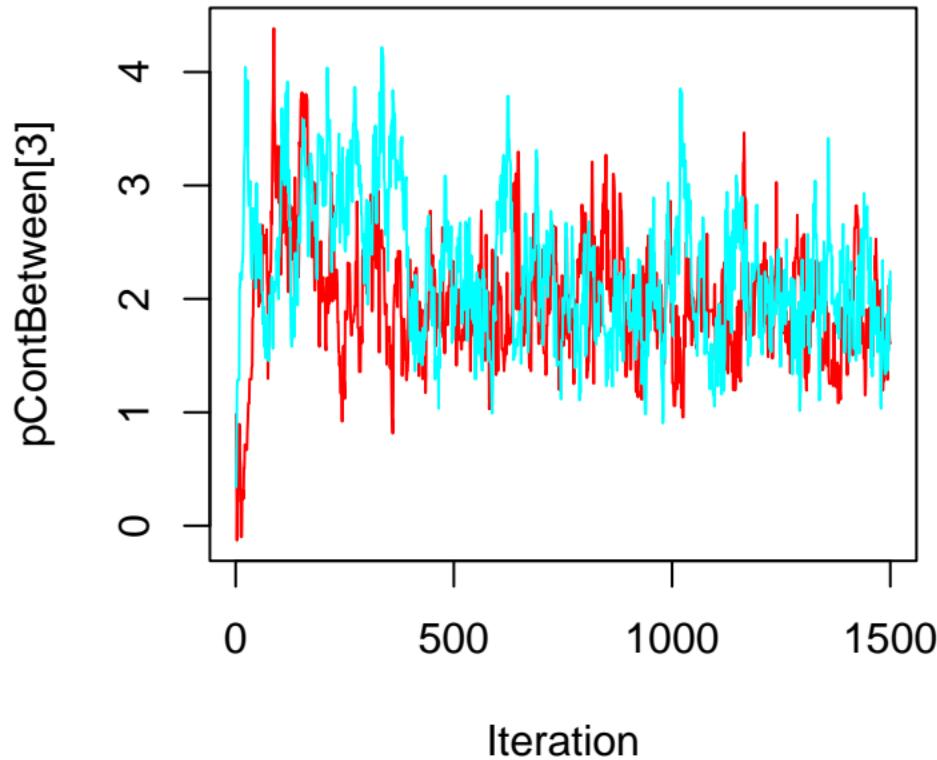
### Chain for pContBetween[20]



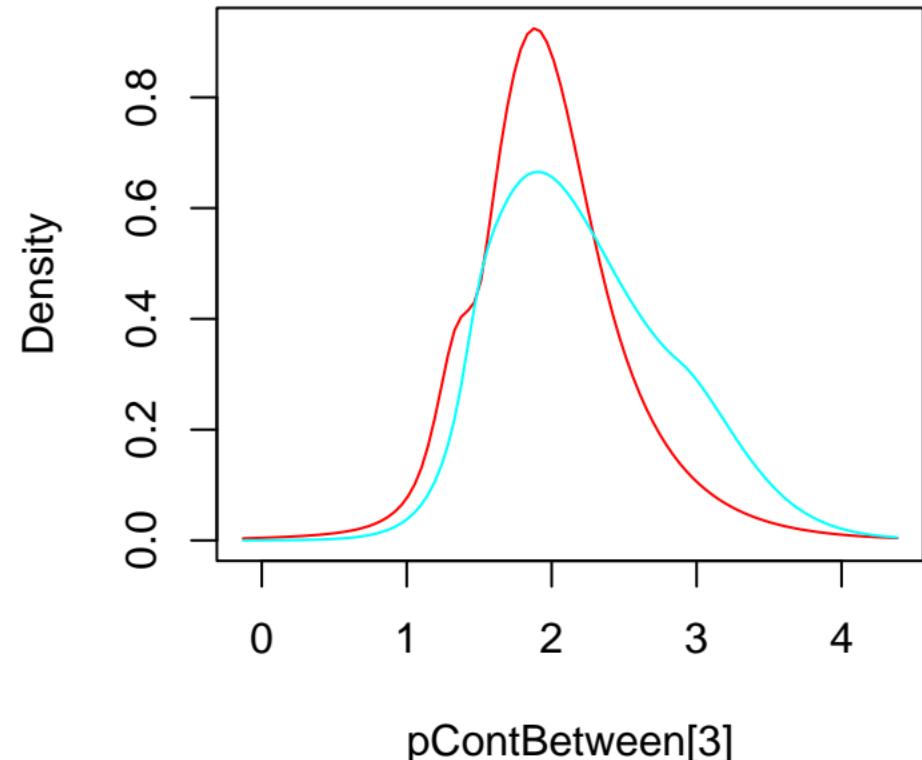
### Density for pContBetween[20]



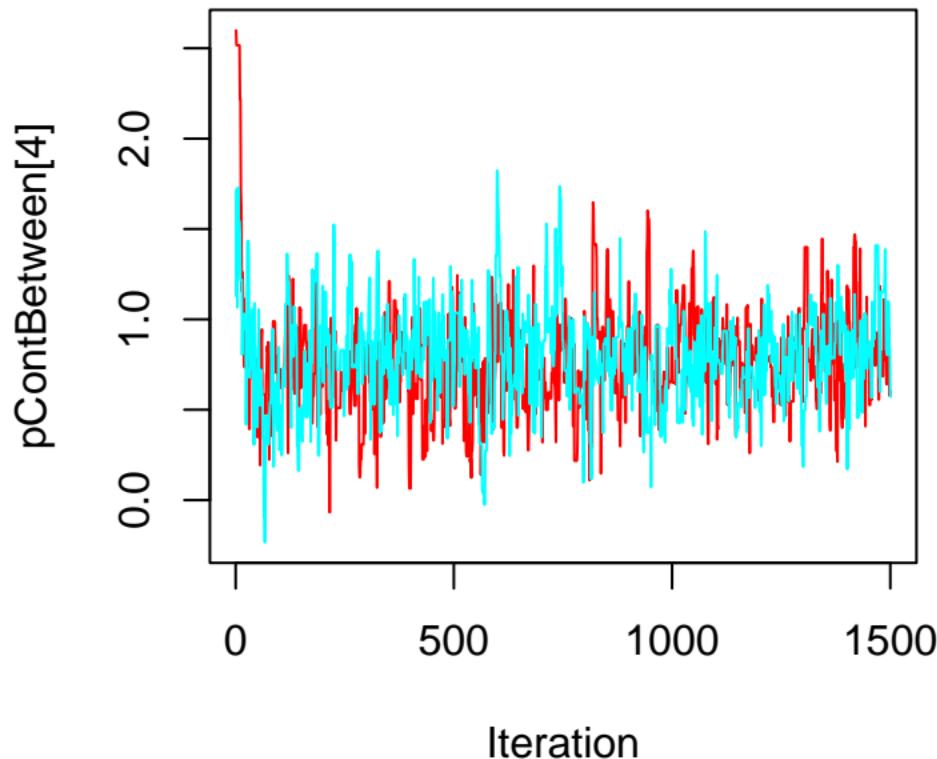
### Chain for pContBetween[3]



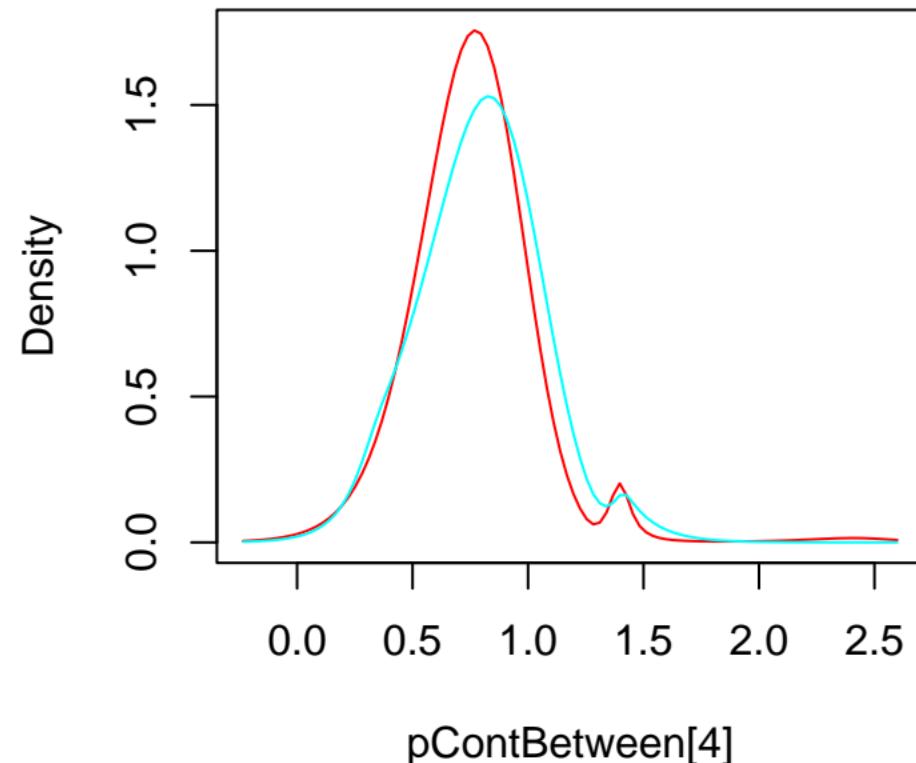
### Density for pContBetween[3]



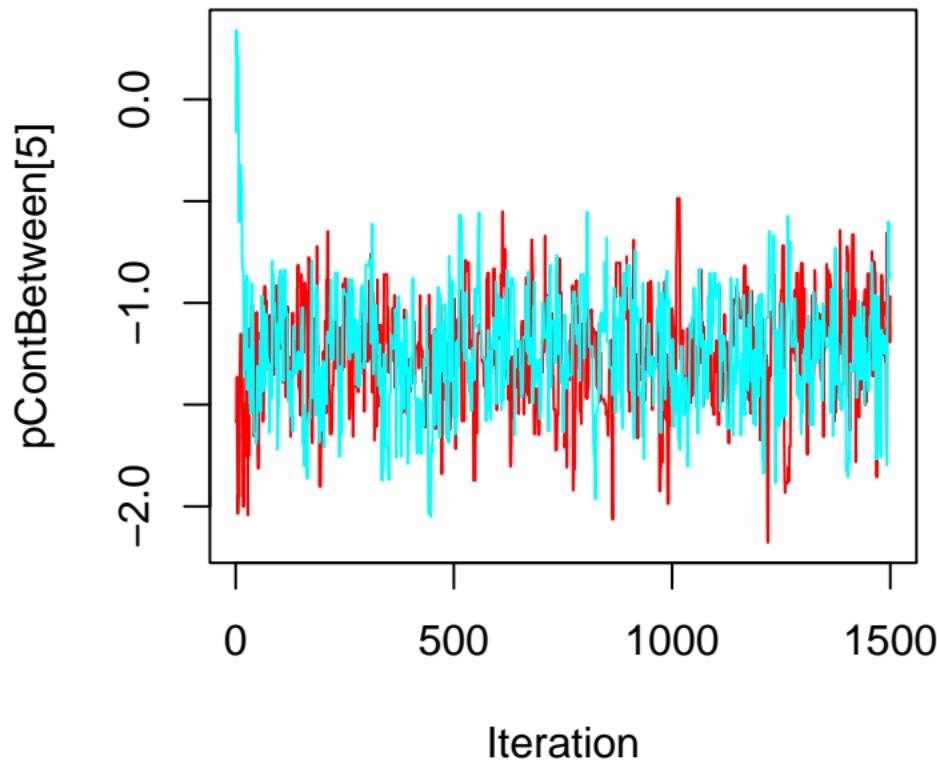
### Chain for pContBetween[4]



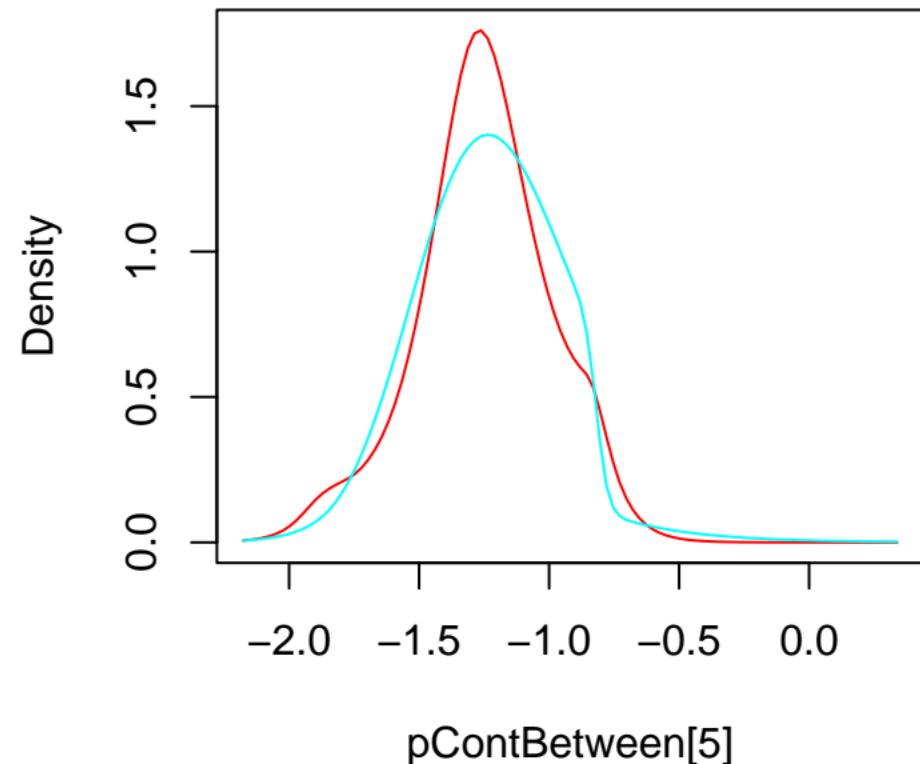
### Density for pContBetween[4]



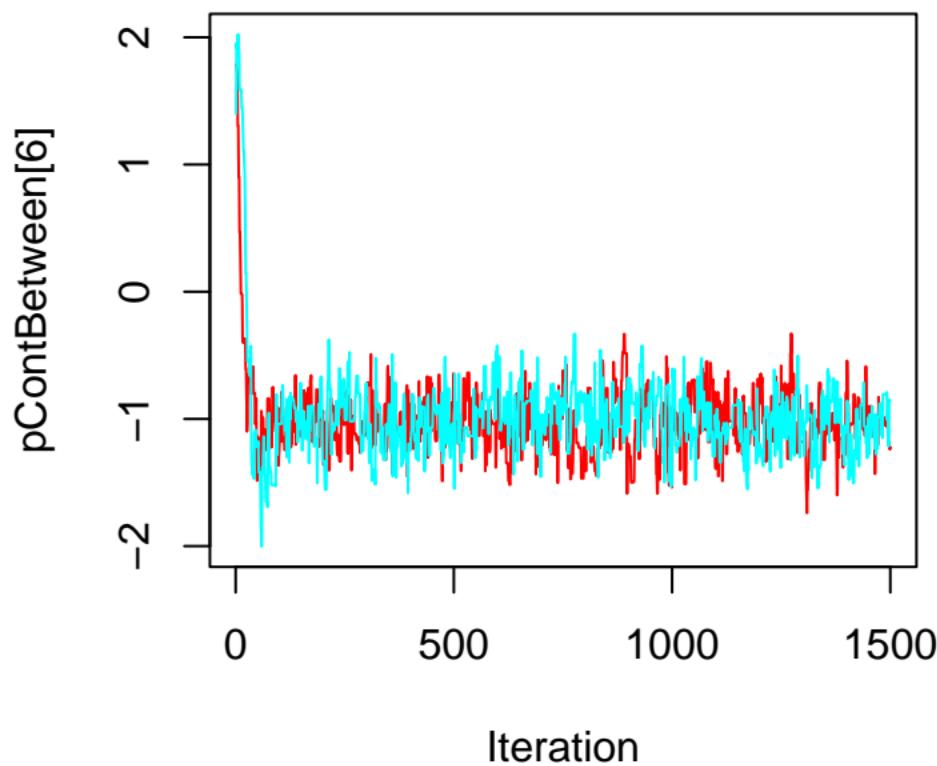
### Chain for pContBetween[5]



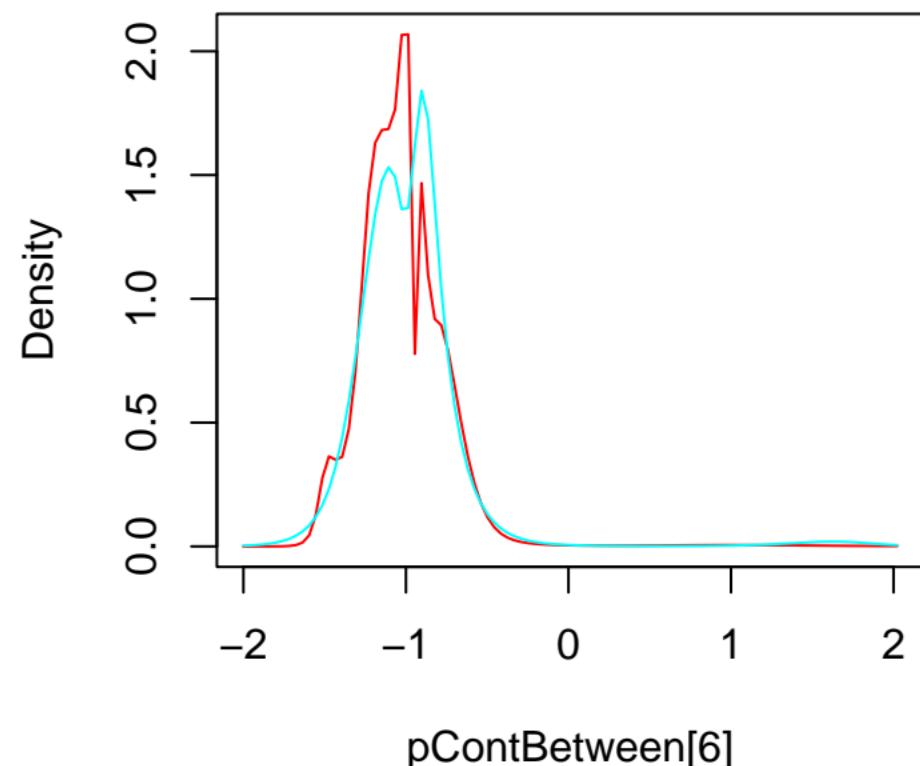
### Density for pContBetween[5]



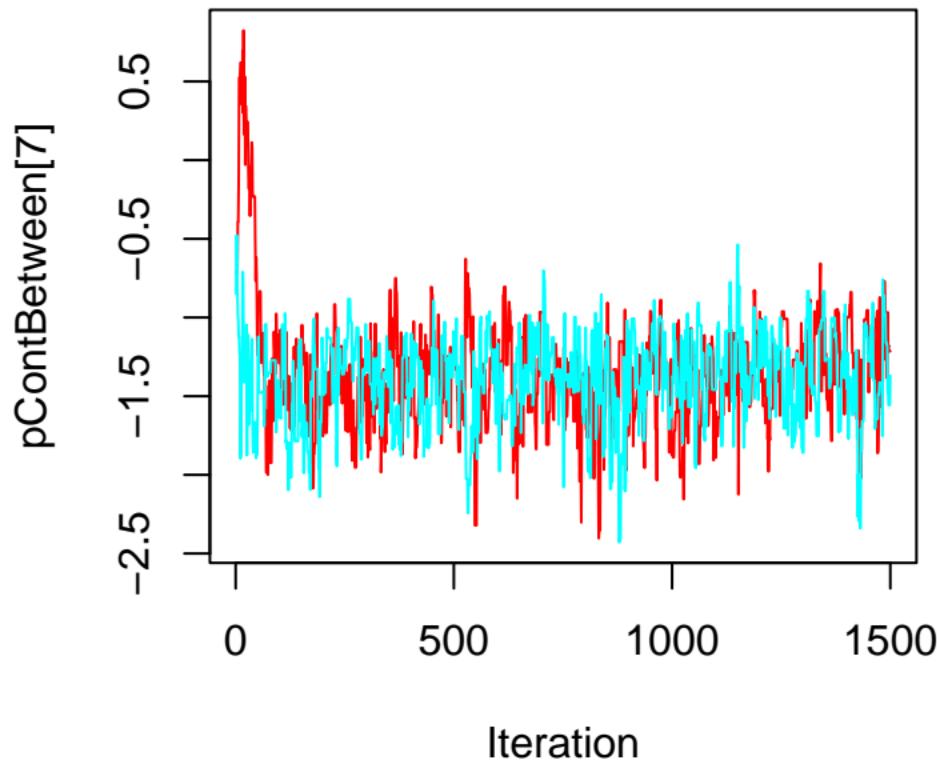
### Chain for pContBetween[6]



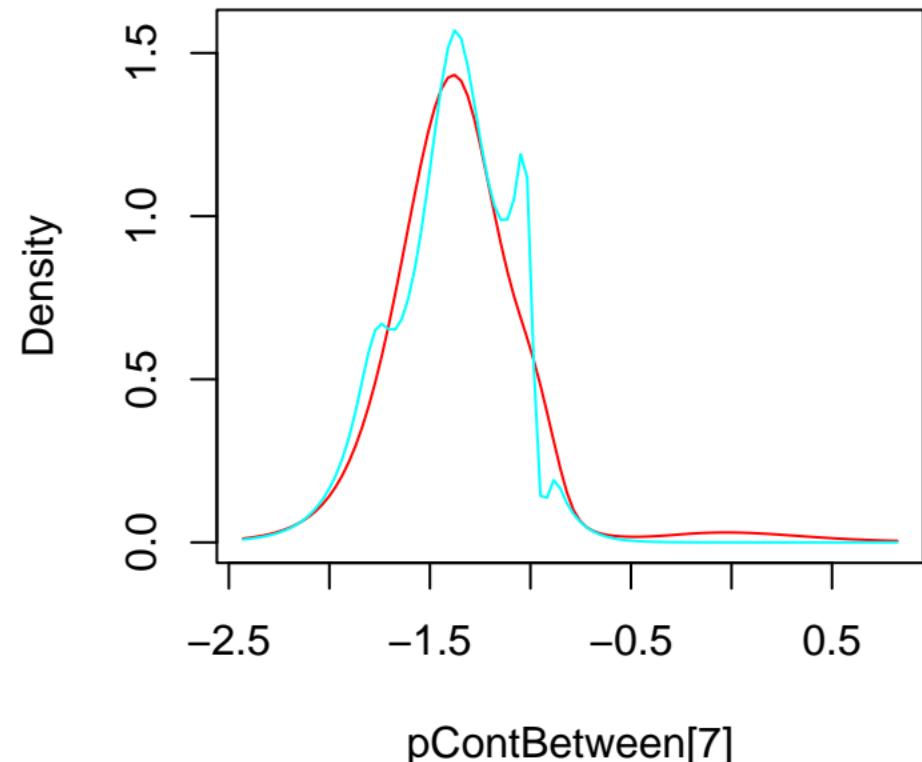
### Density for pContBetween[6]



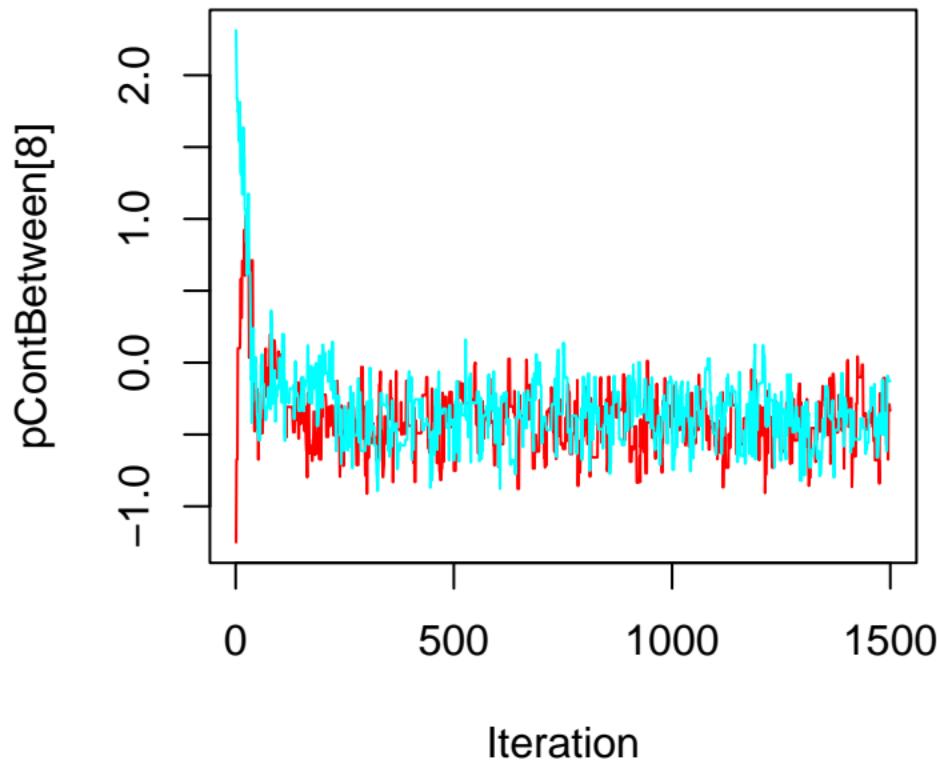
### Chain for pContBetween[7]



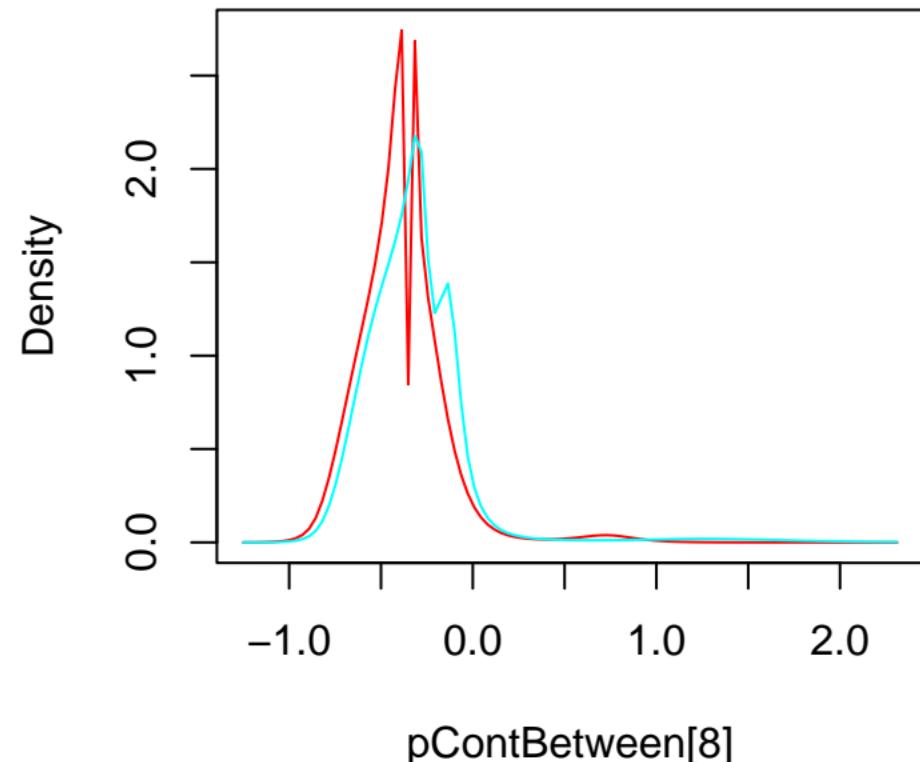
### Density for pContBetween[7]



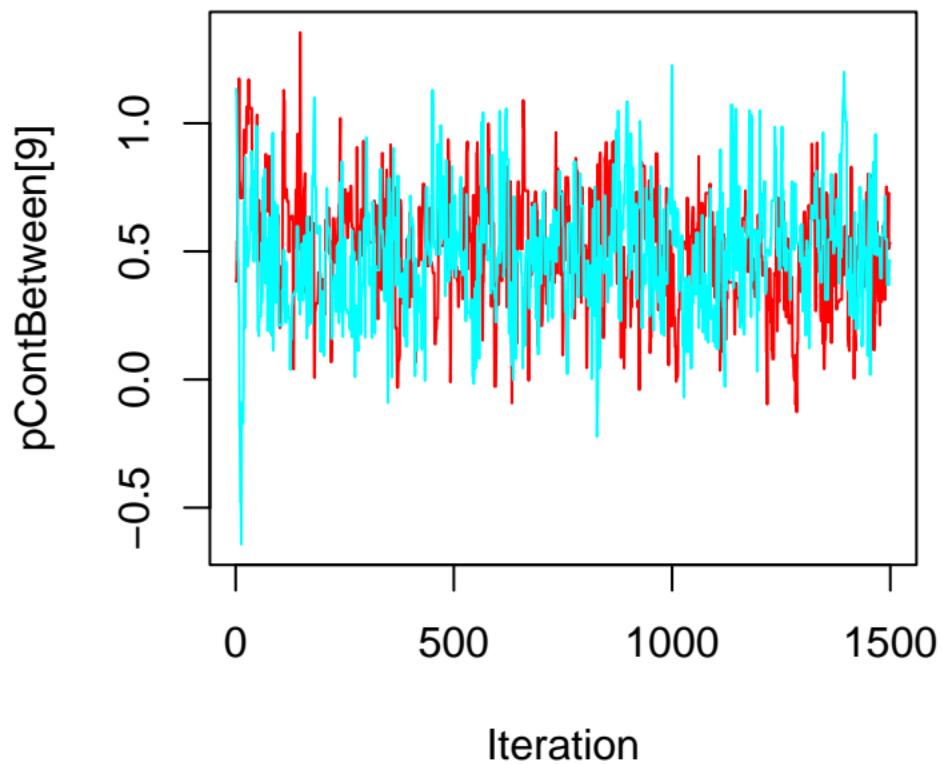
### Chain for pContBetween[8]



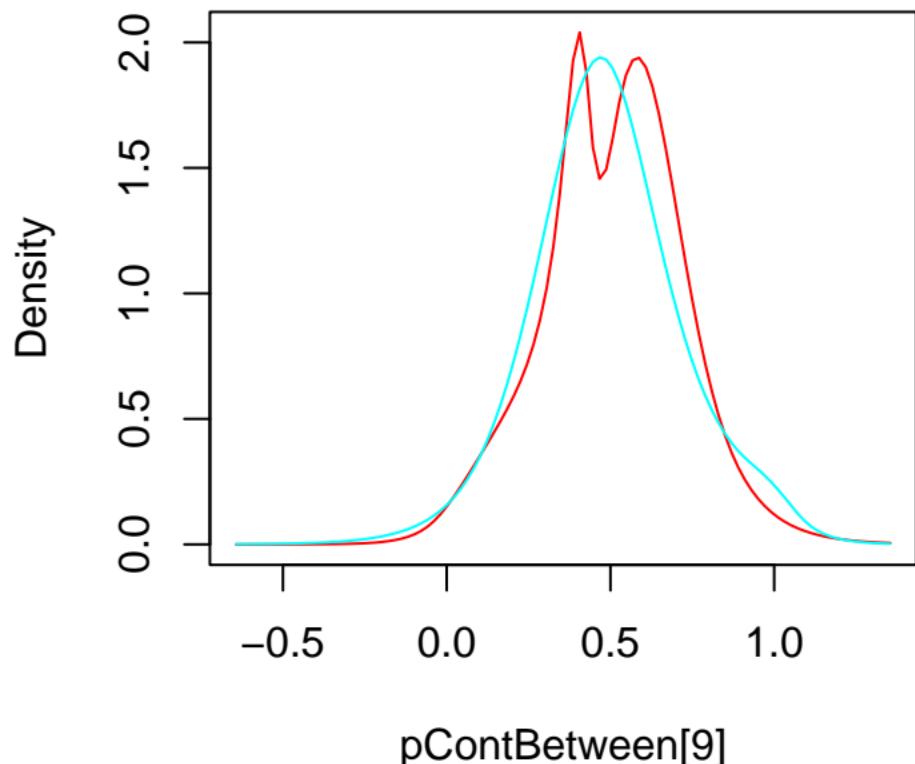
### Density for pContBetween[8]



### Chain for pContBetween[9]

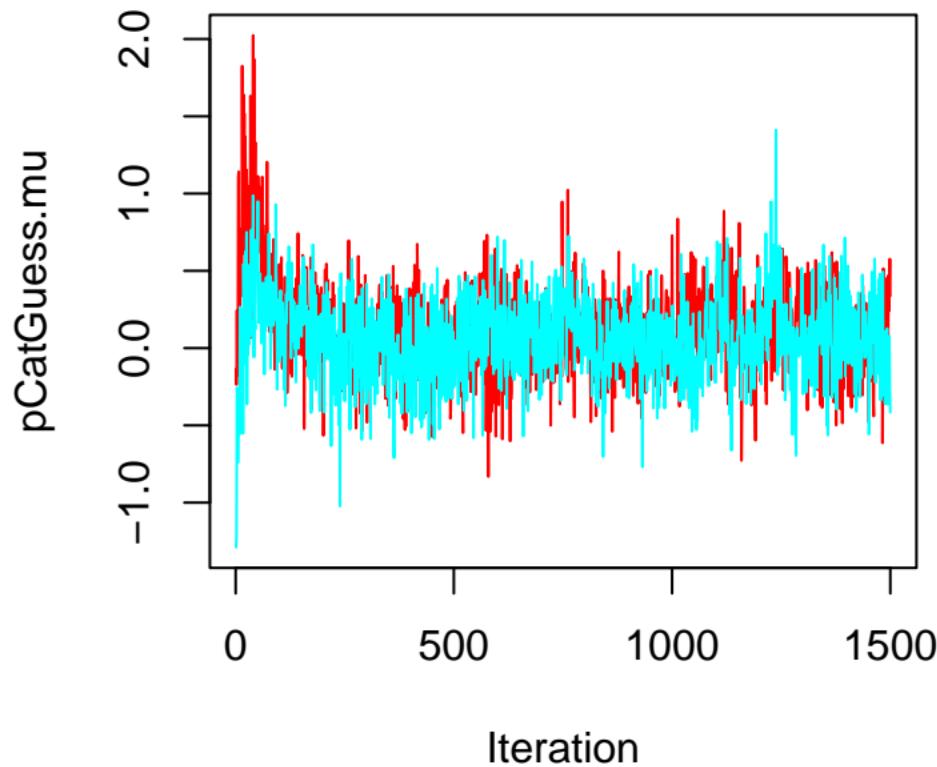


### Density for pContBetween[9]

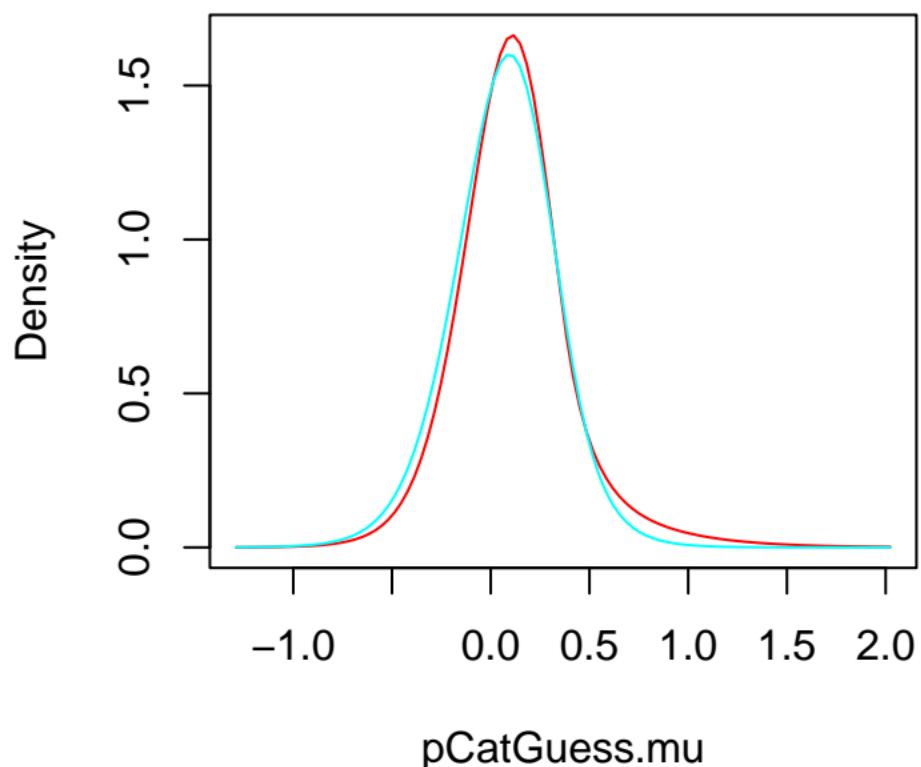


pCatGuess

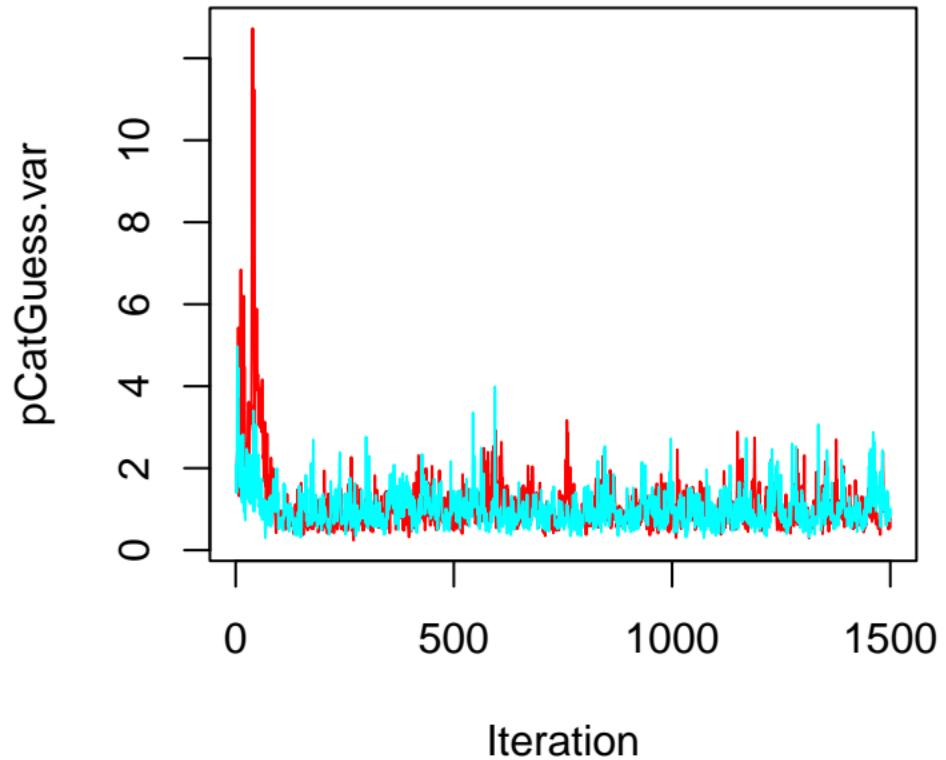
### Chain for pCatGuess.mu



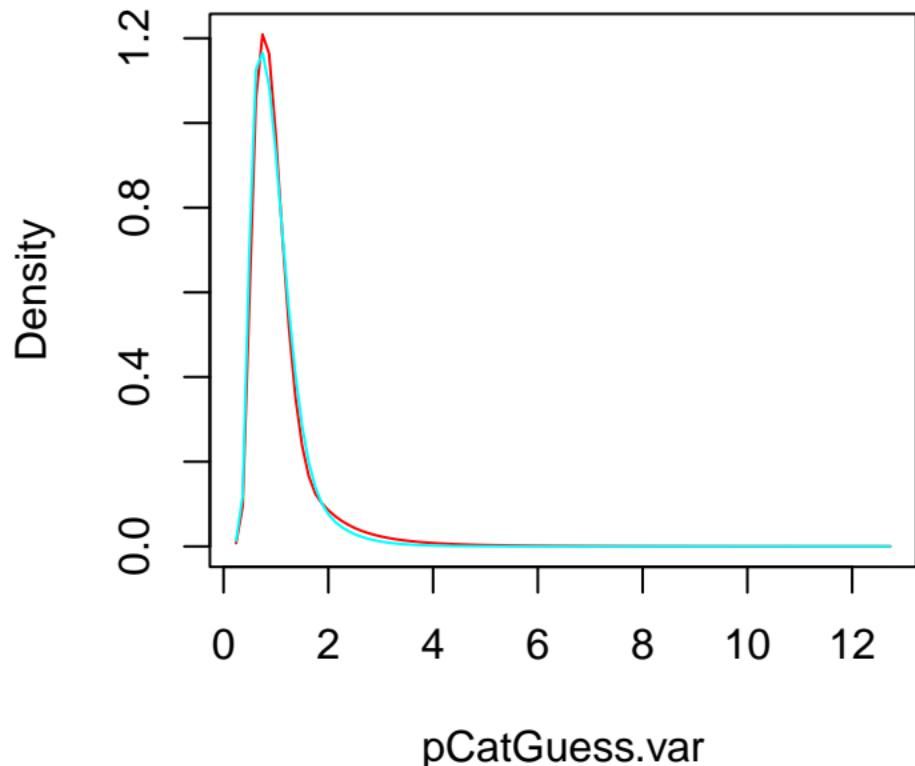
### Density for pCatGuess.mu



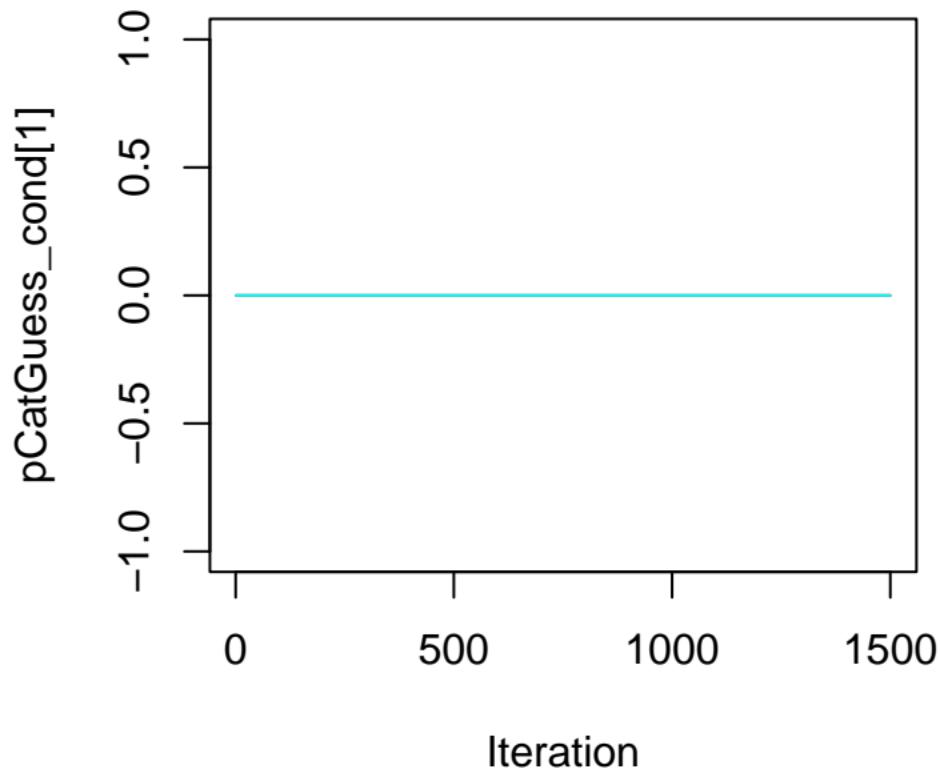
### Chain for pCatGuess.var



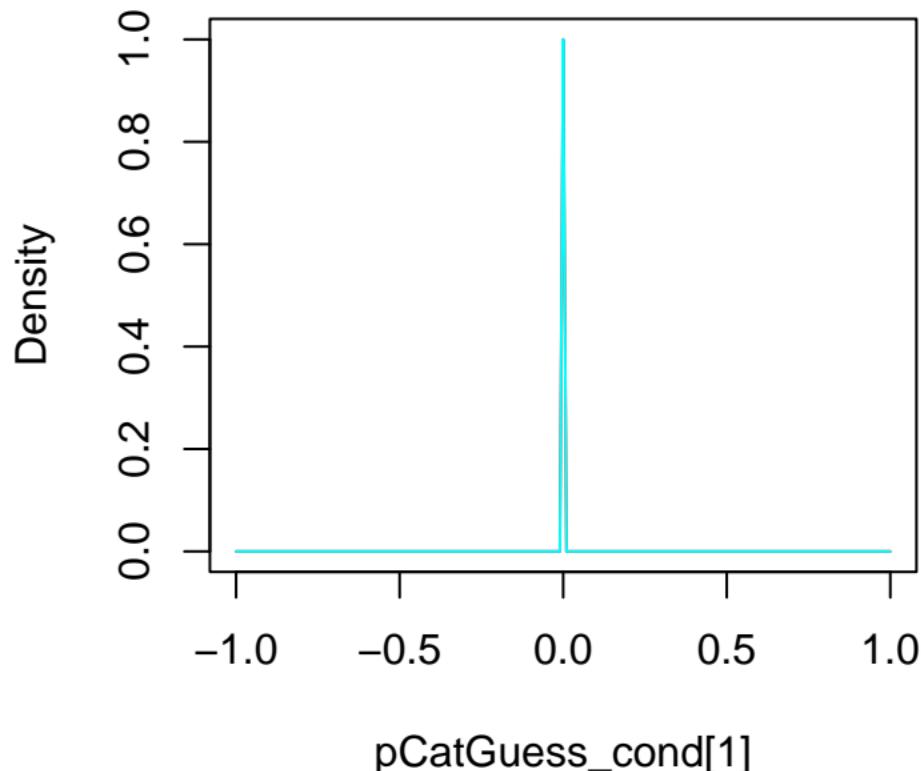
### Density for pCatGuess.var



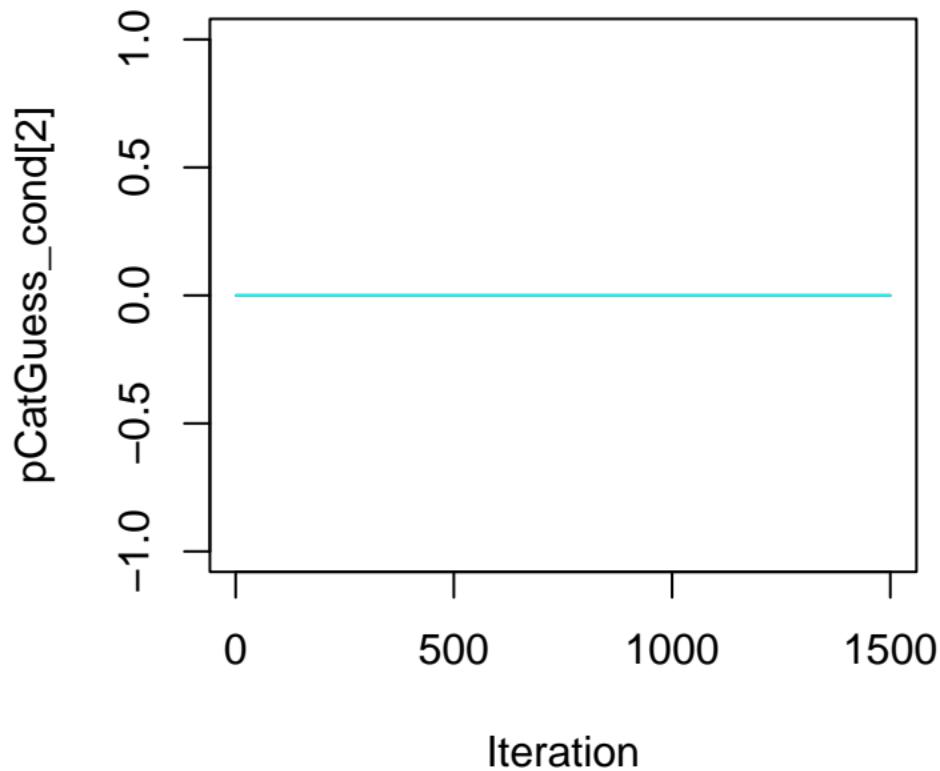
**Chain for pCatGuess\_cond[1]**



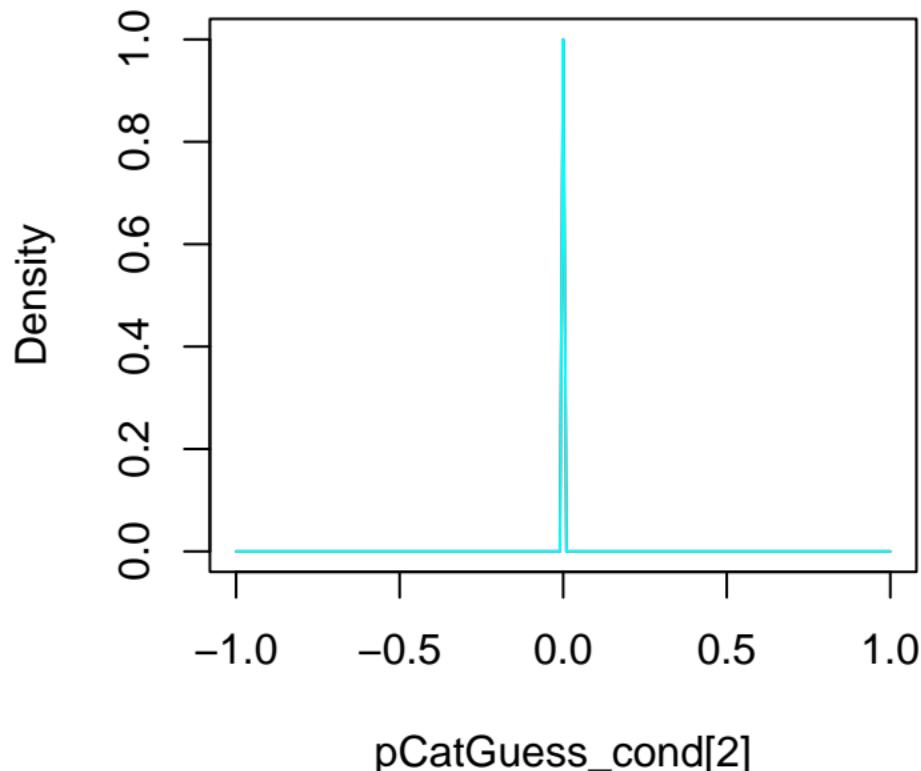
**Density for pCatGuess\_cond[1]**



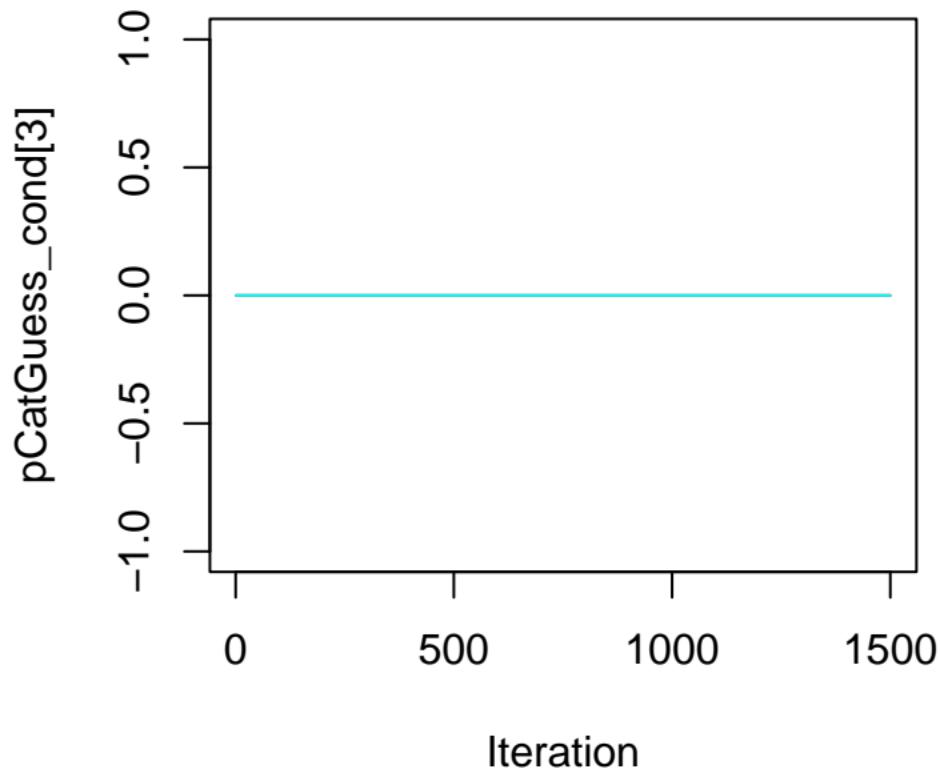
**Chain for pCatGuess\_cond[2]**



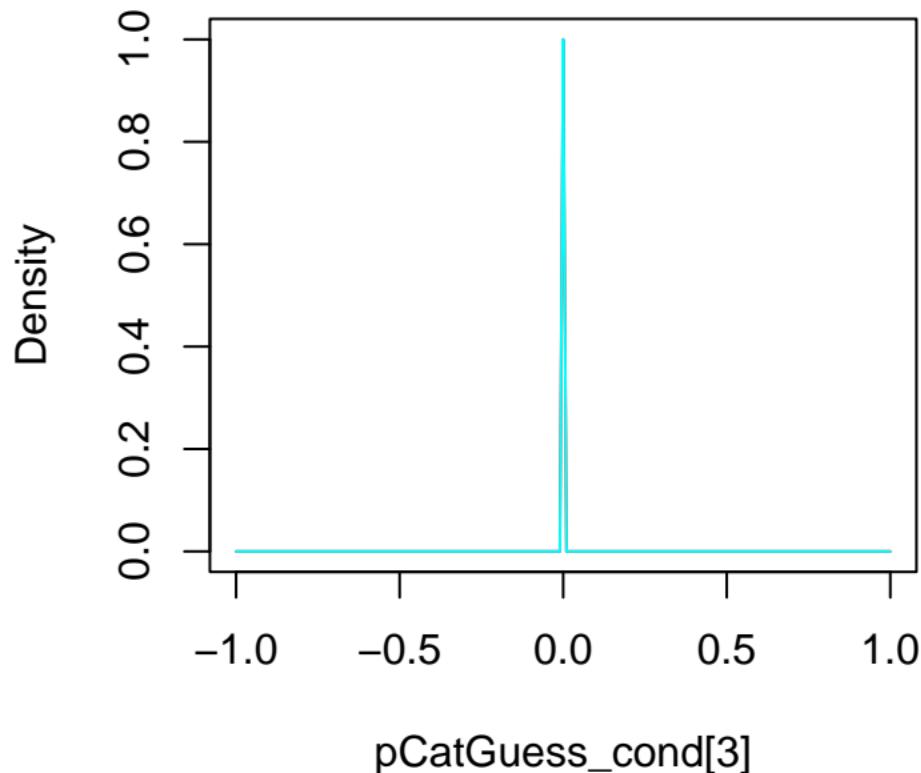
**Density for pCatGuess\_cond[2]**



**Chain for pCatGuess\_cond[3]**

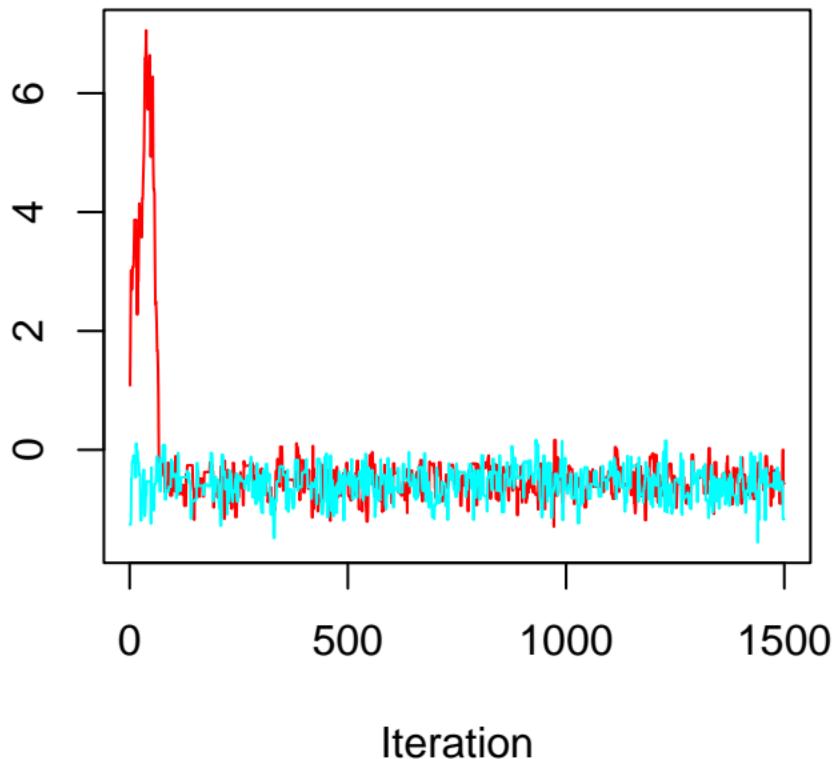


**Density for pCatGuess\_cond[3]**



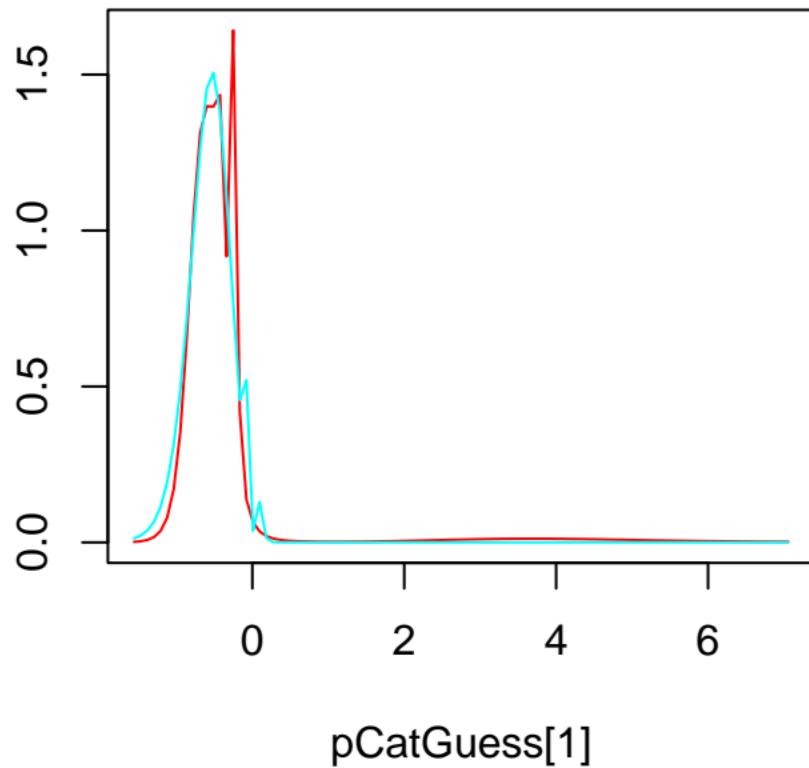
### Chain for pCatGuess[1]

pCatGuess[1]

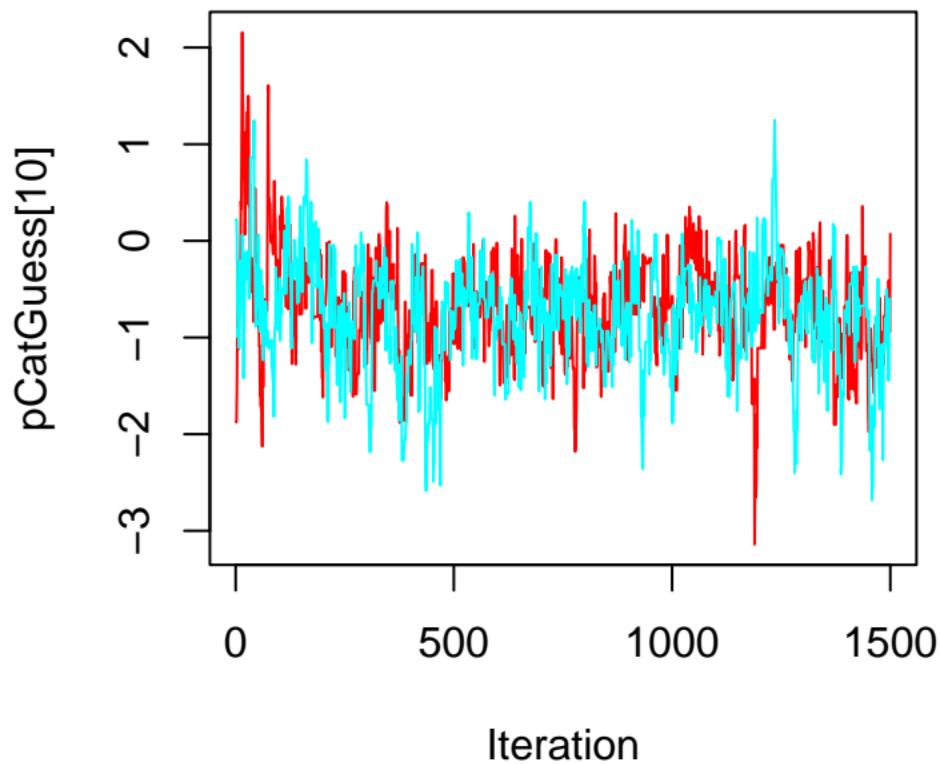


### Density for pCatGuess[1]

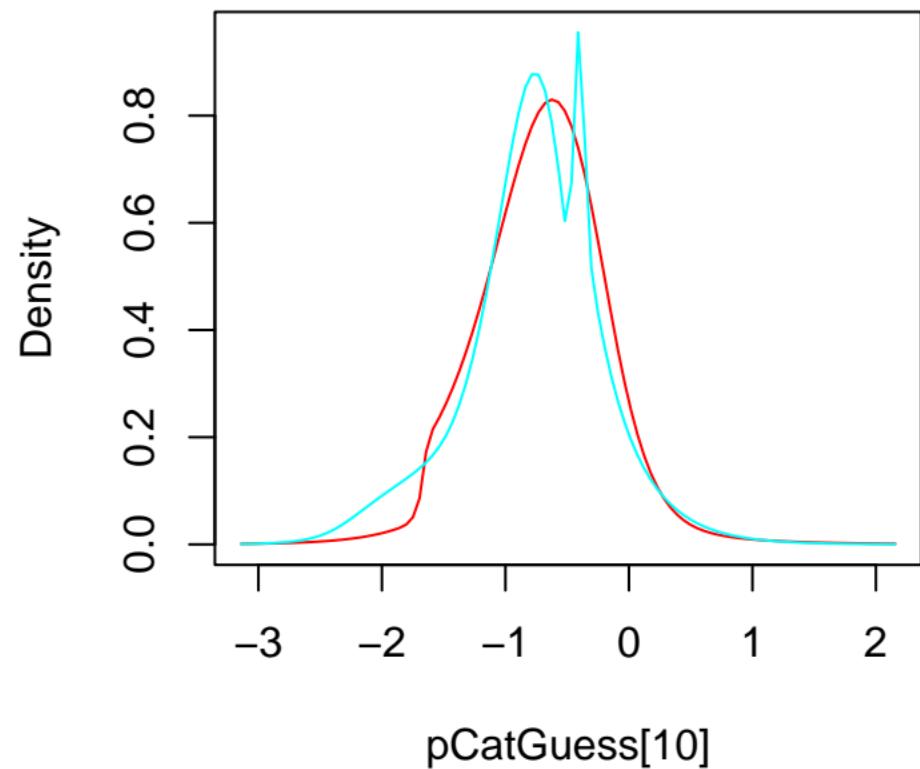
Density



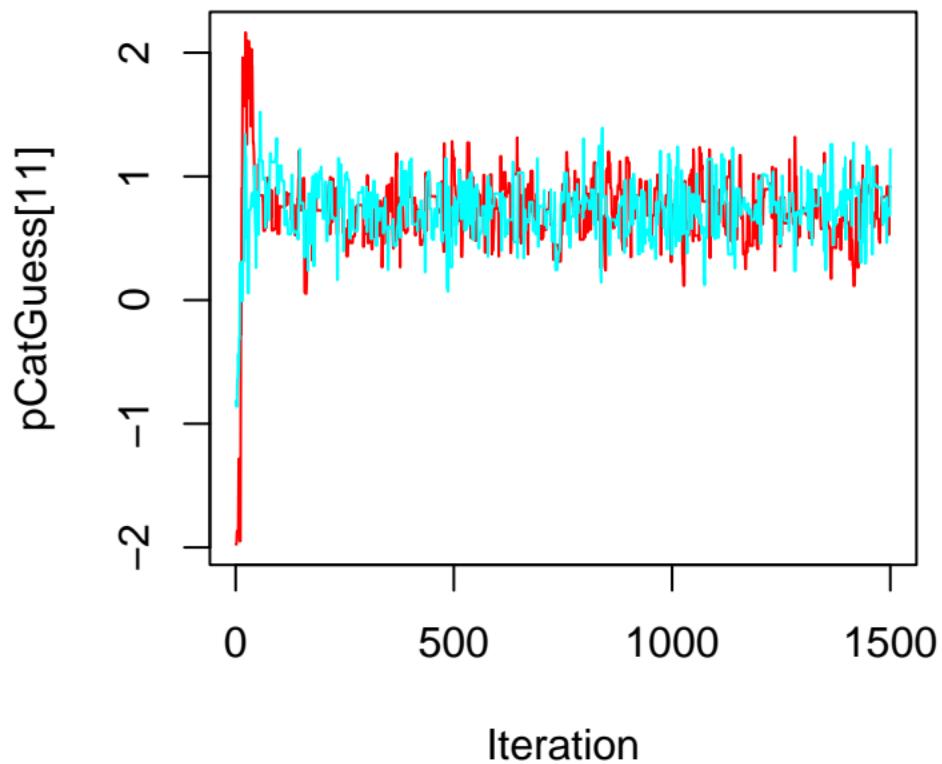
### Chain for pCatGuess[10]



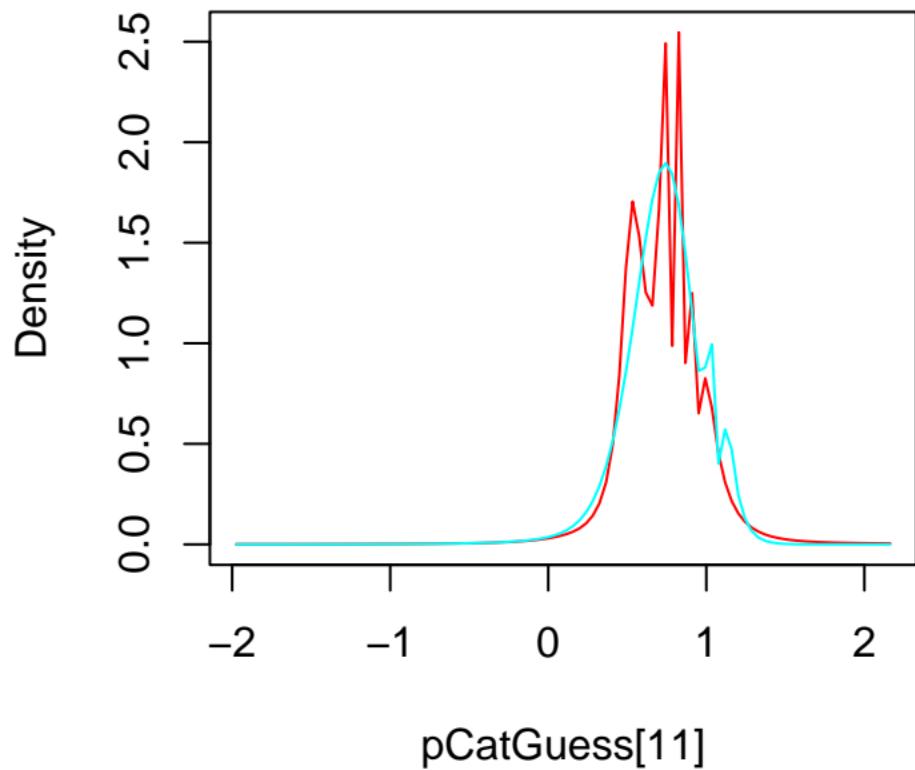
### Density for pCatGuess[10]



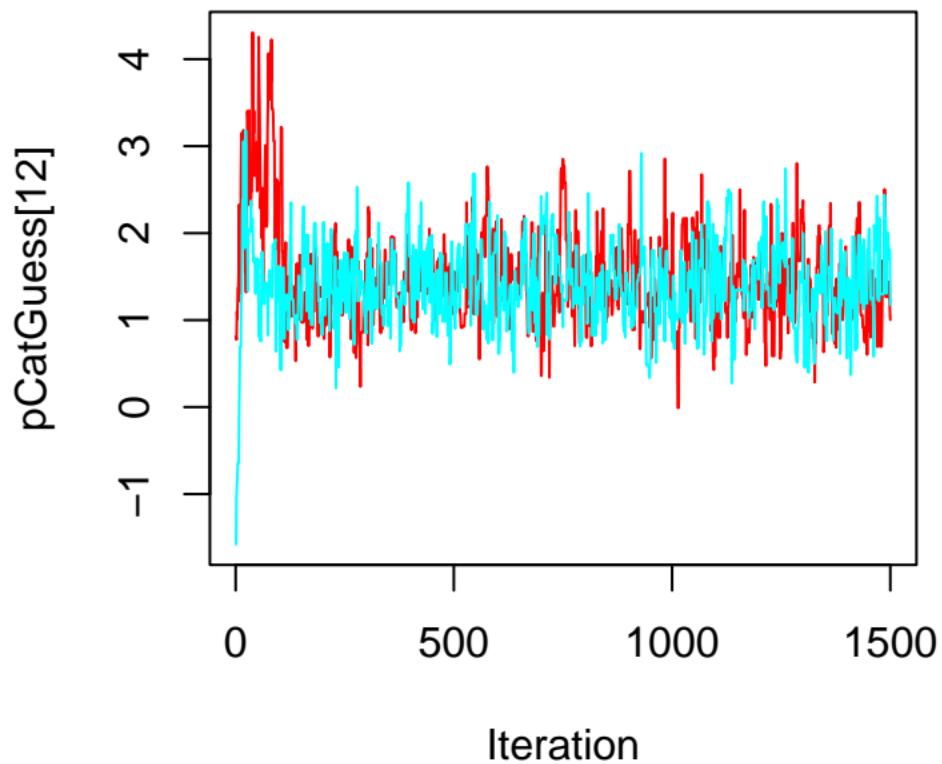
### Chain for pCatGuess[11]



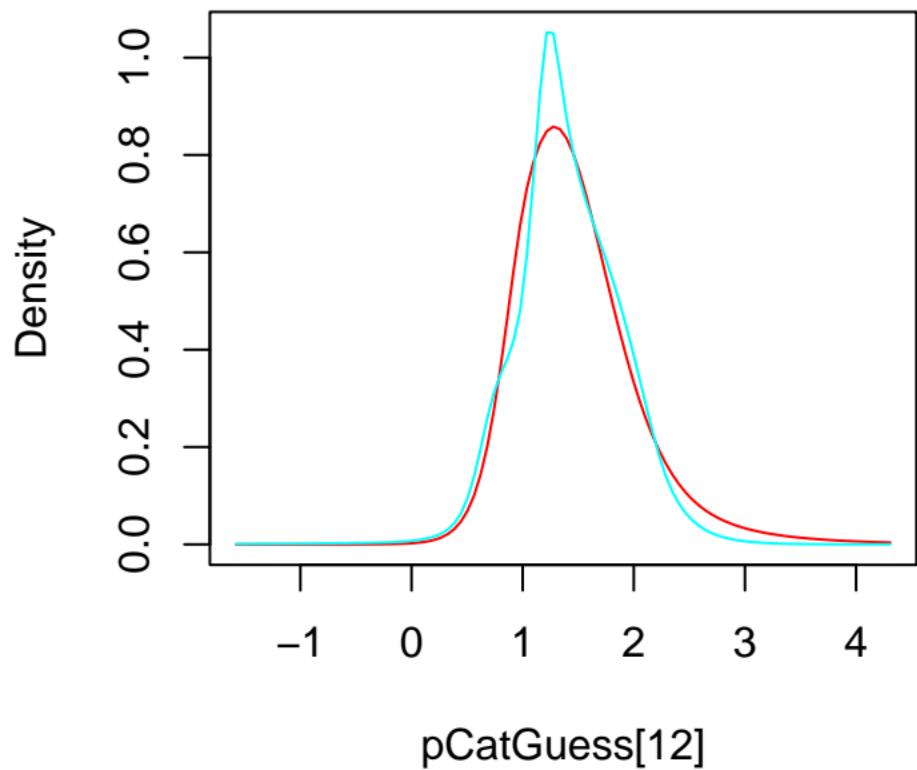
### Density for pCatGuess[11]



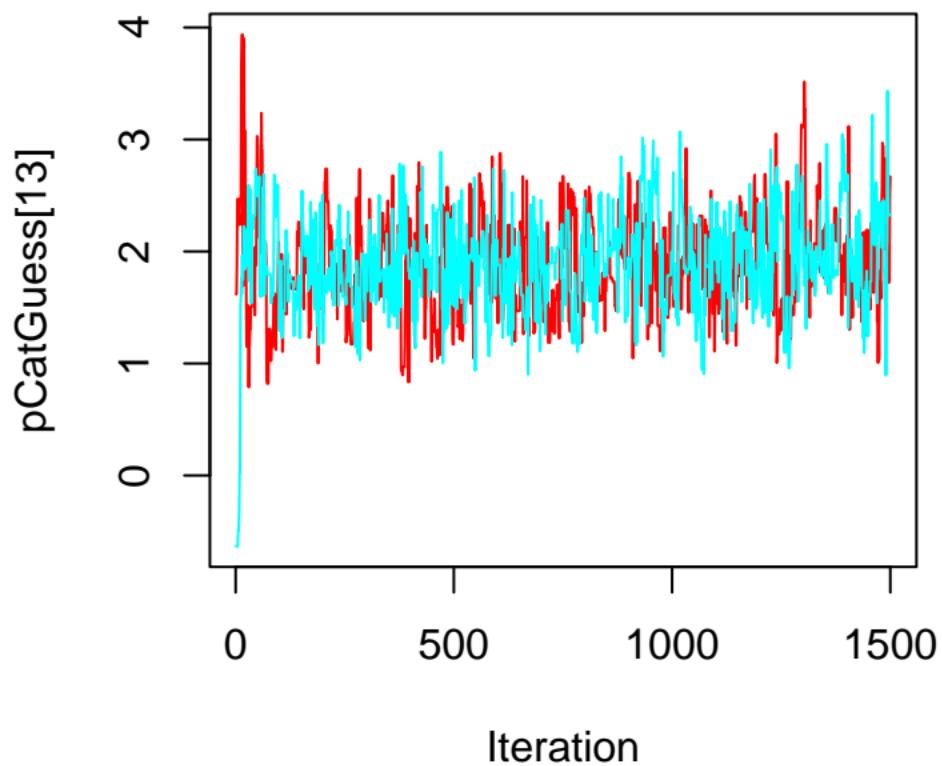
### Chain for pCatGuess[12]



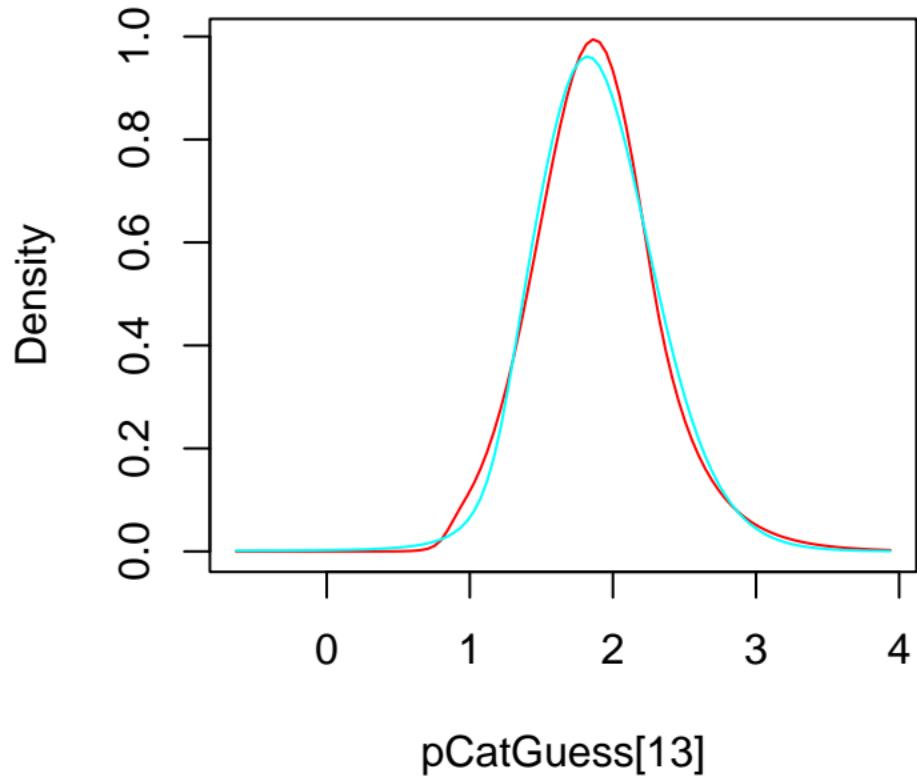
### Density for pCatGuess[12]



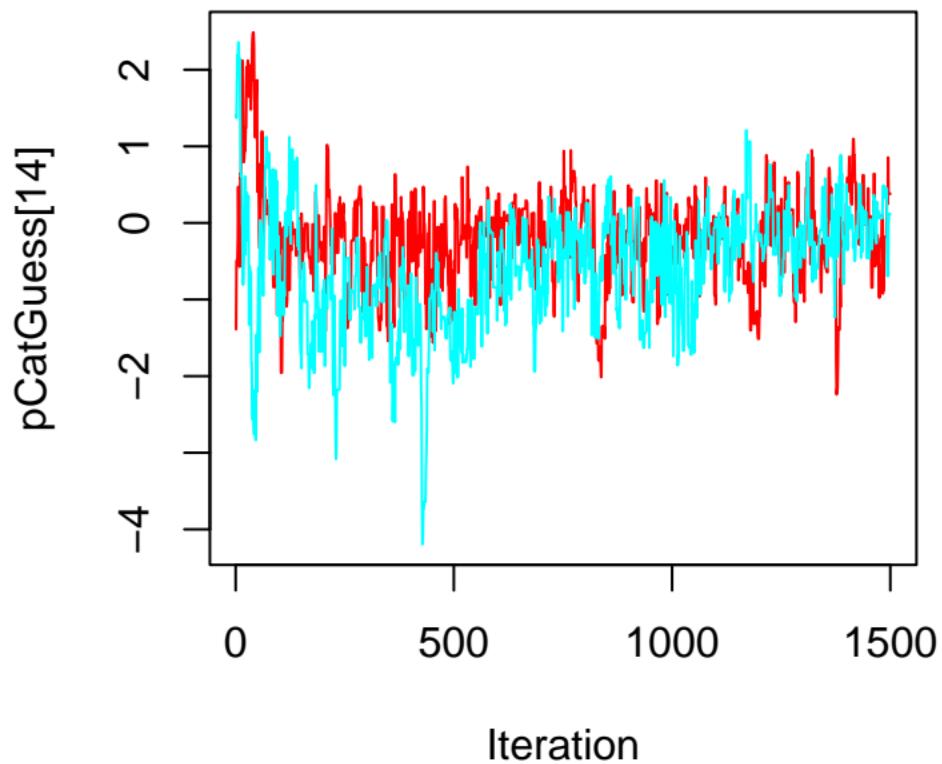
### Chain for pCatGuess[13]



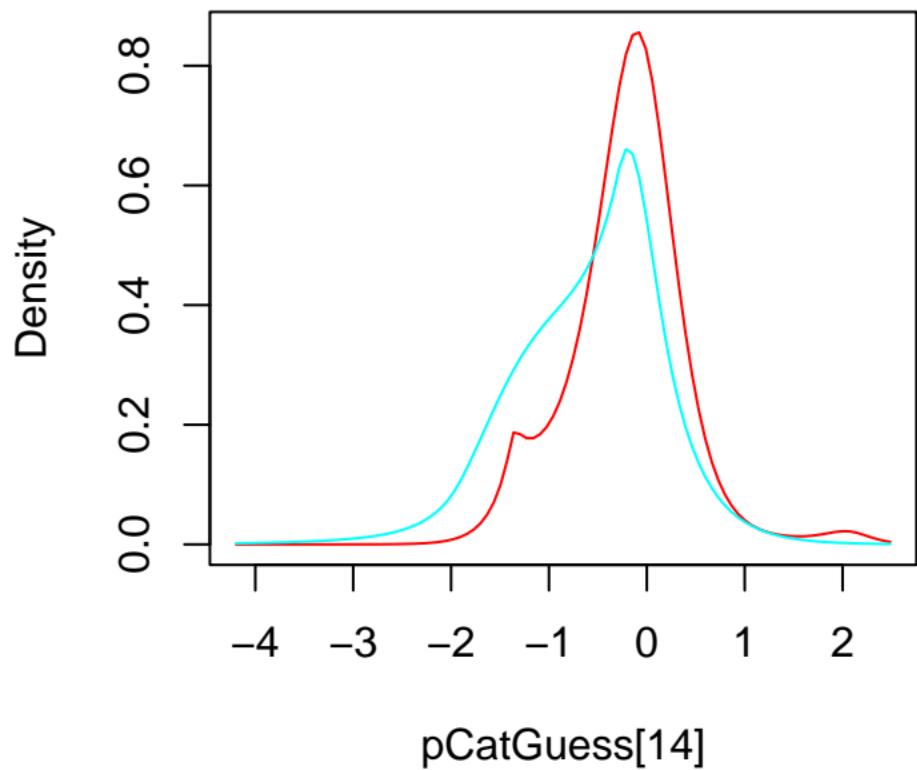
### Density for pCatGuess[13]



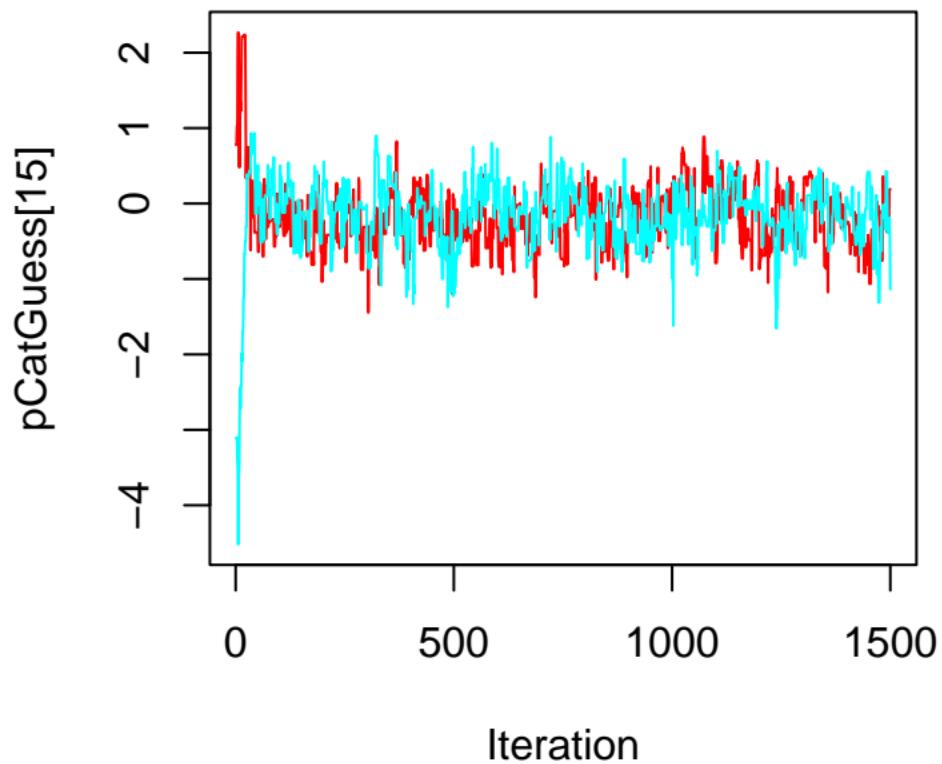
### Chain for pCatGuess[14]



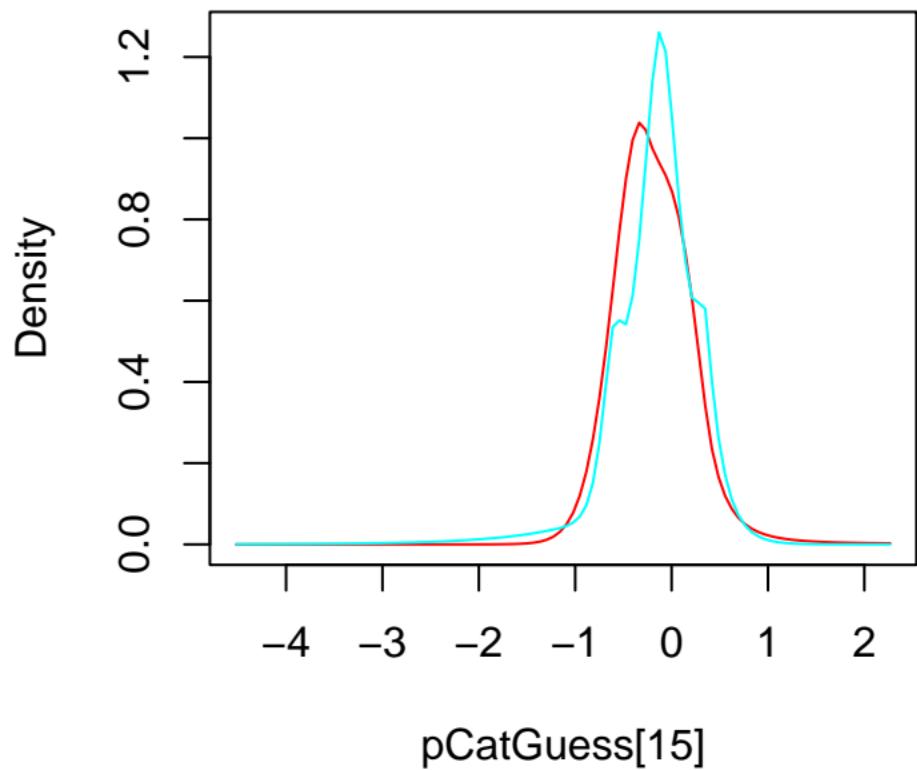
### Density for pCatGuess[14]



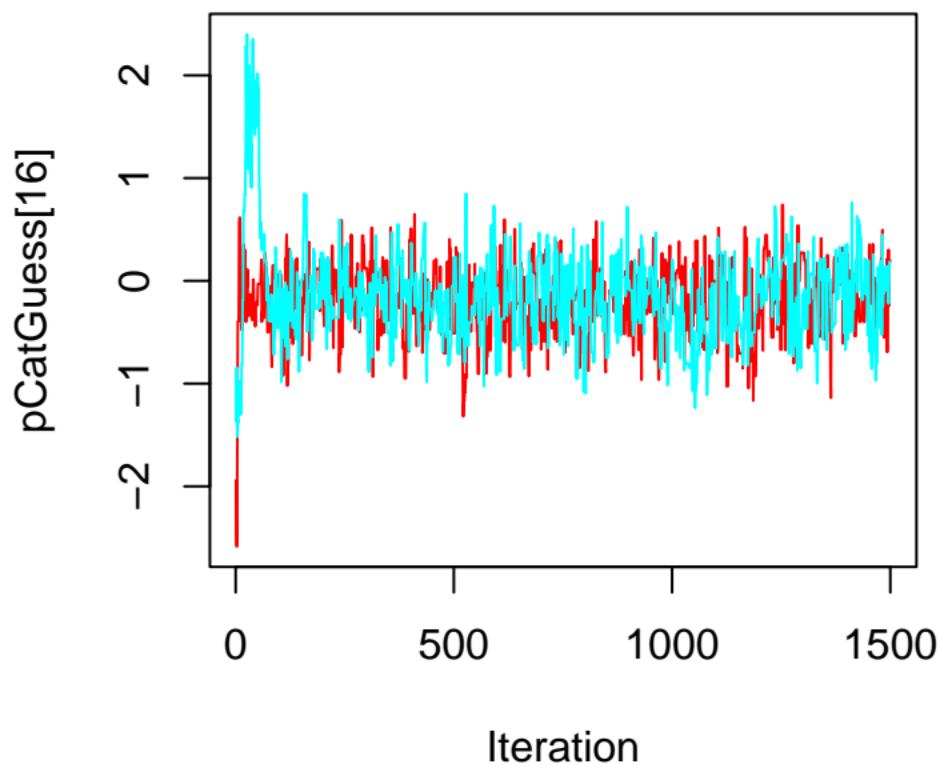
### Chain for pCatGuess[15]



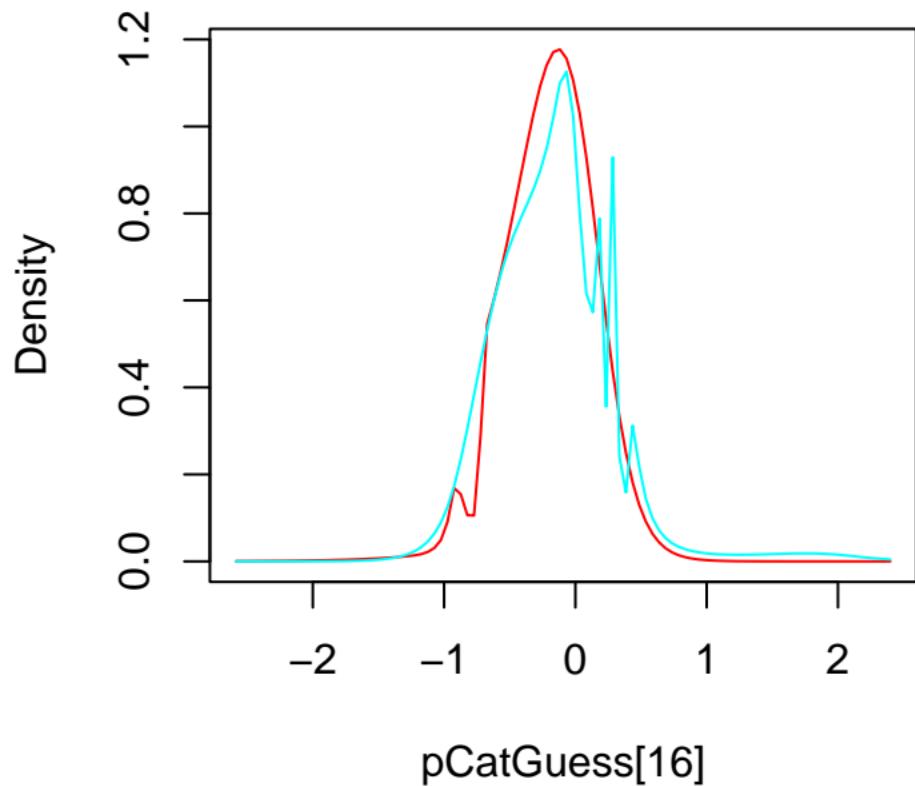
### Density for pCatGuess[15]



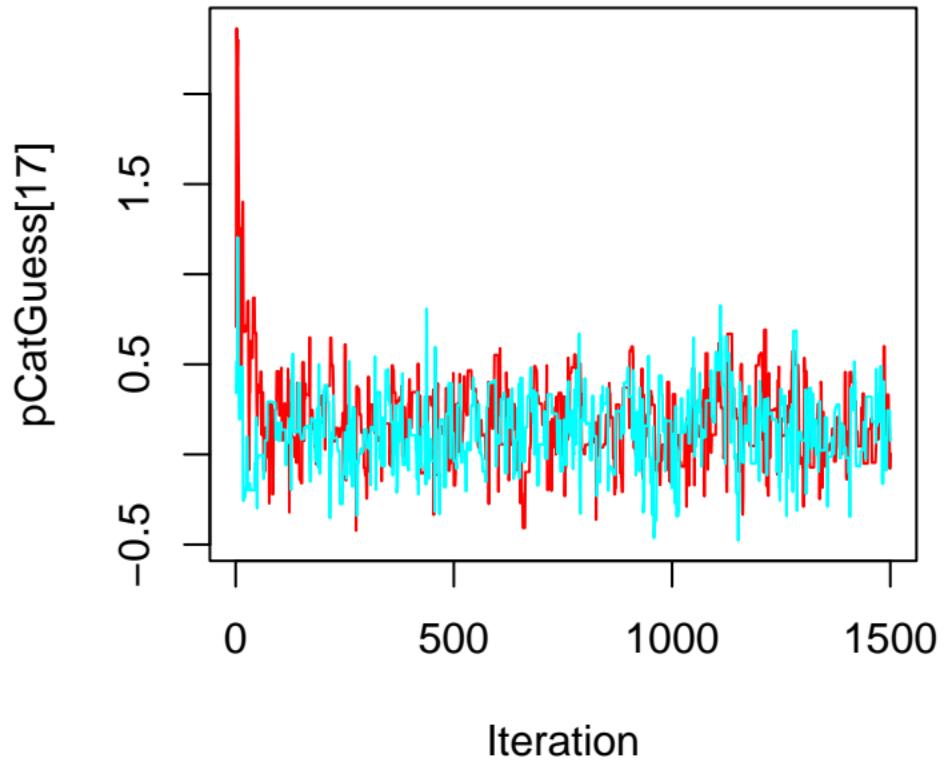
### Chain for pCatGuess[16]



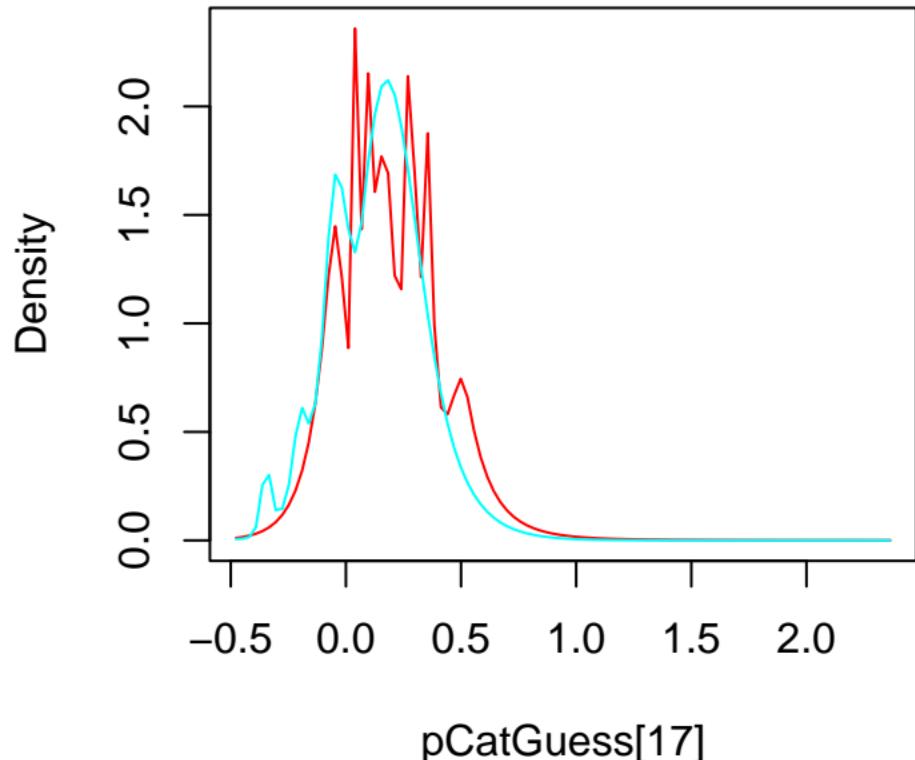
### Density for pCatGuess[16]



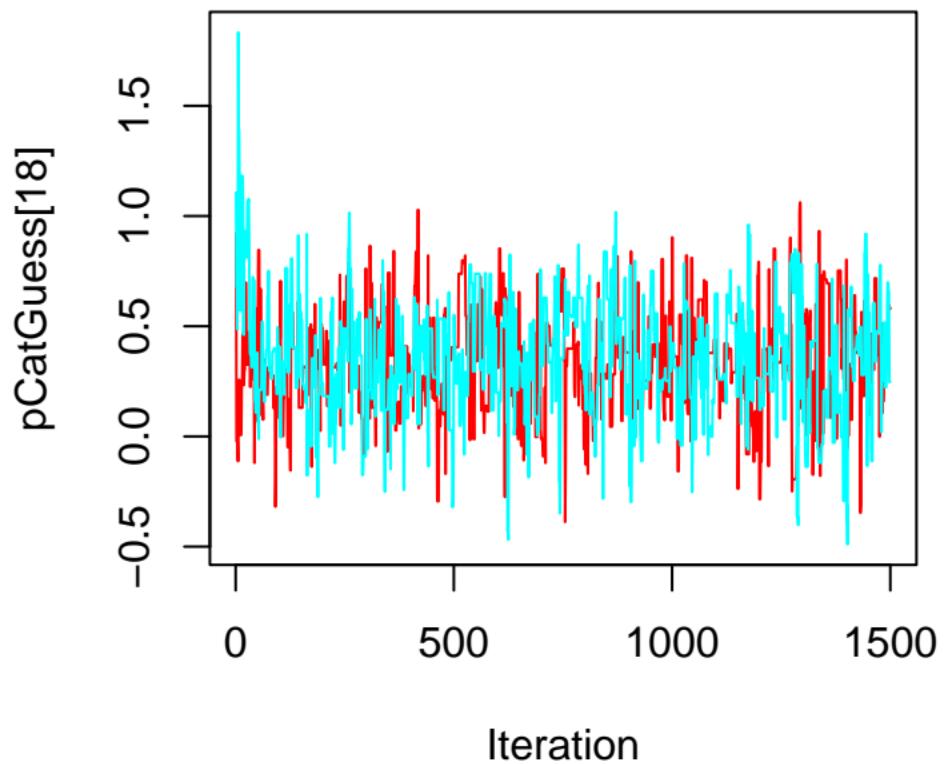
### Chain for pCatGuess[17]



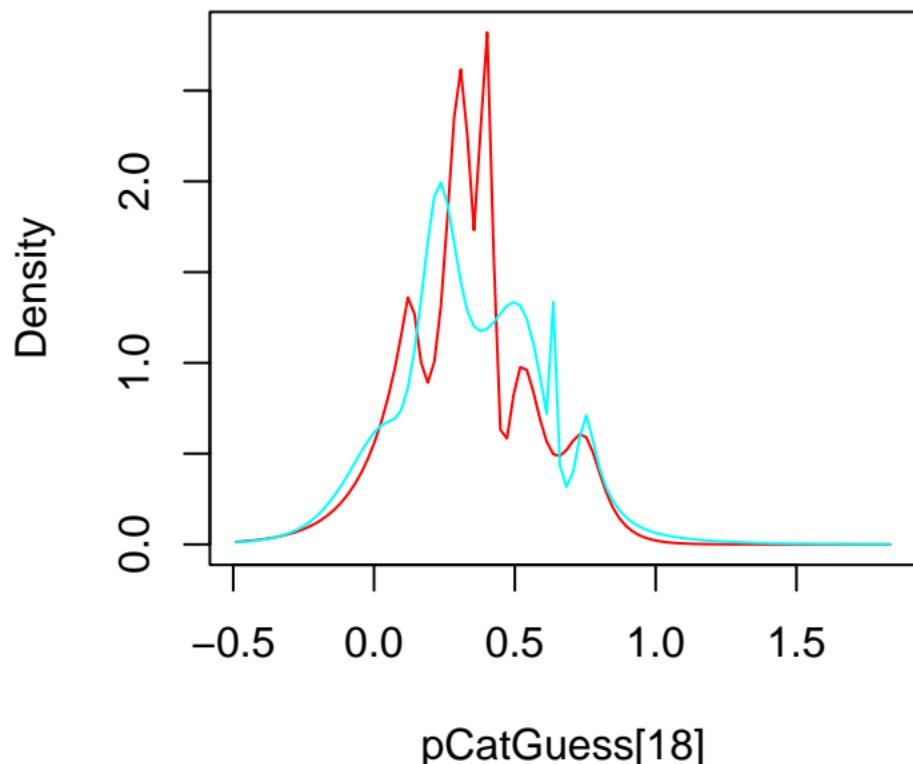
### Density for pCatGuess[17]



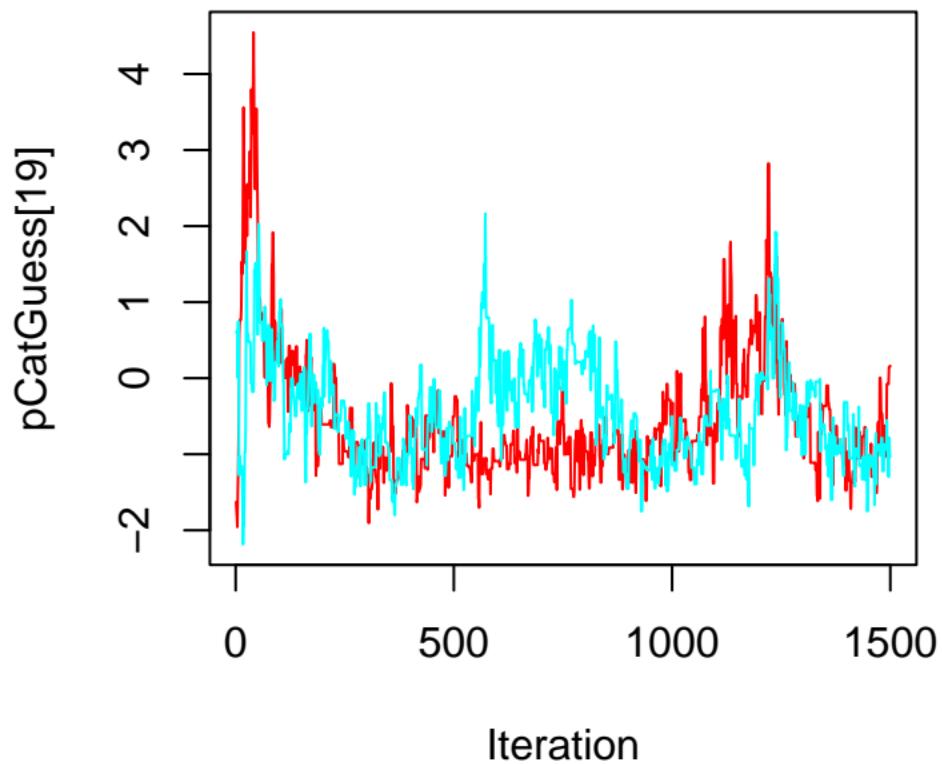
### Chain for pCatGuess[18]



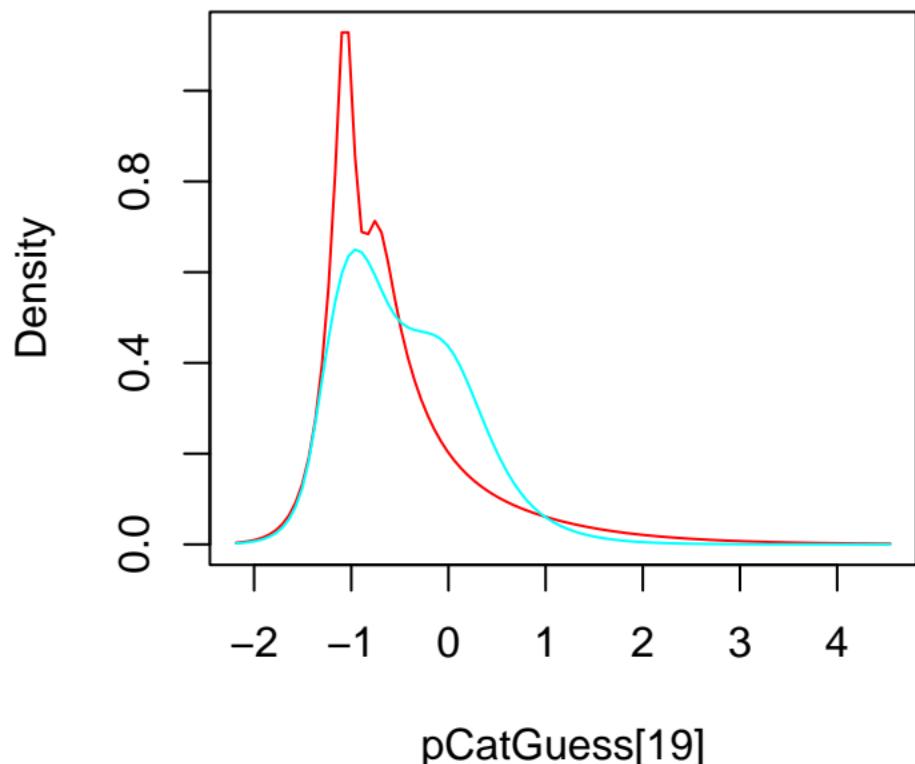
### Density for pCatGuess[18]



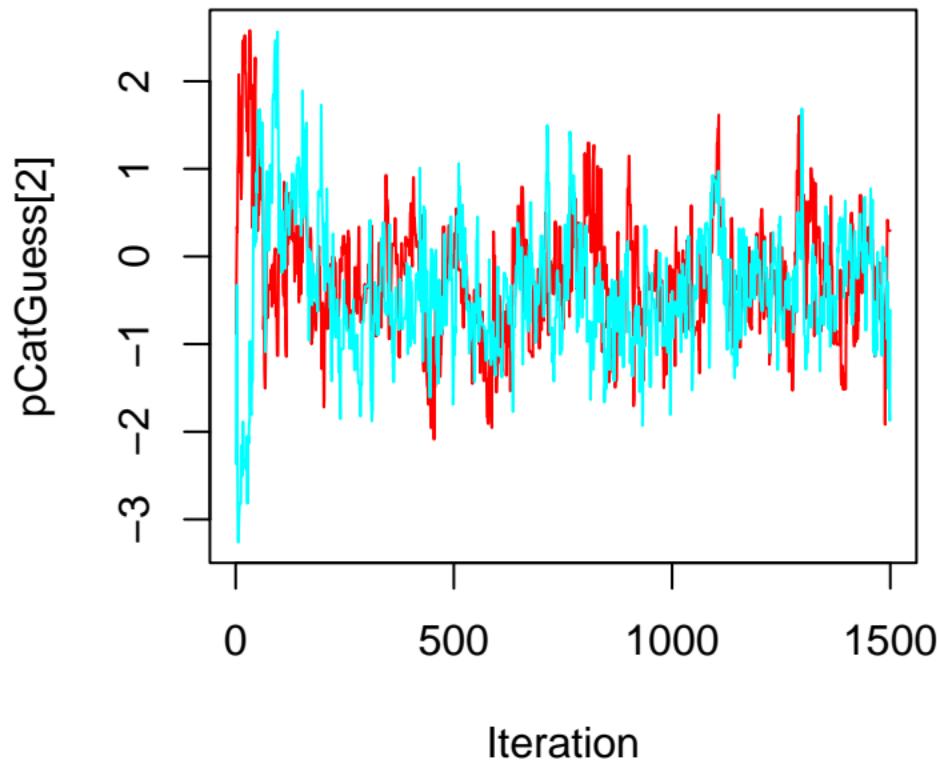
### Chain for pCatGuess[19]



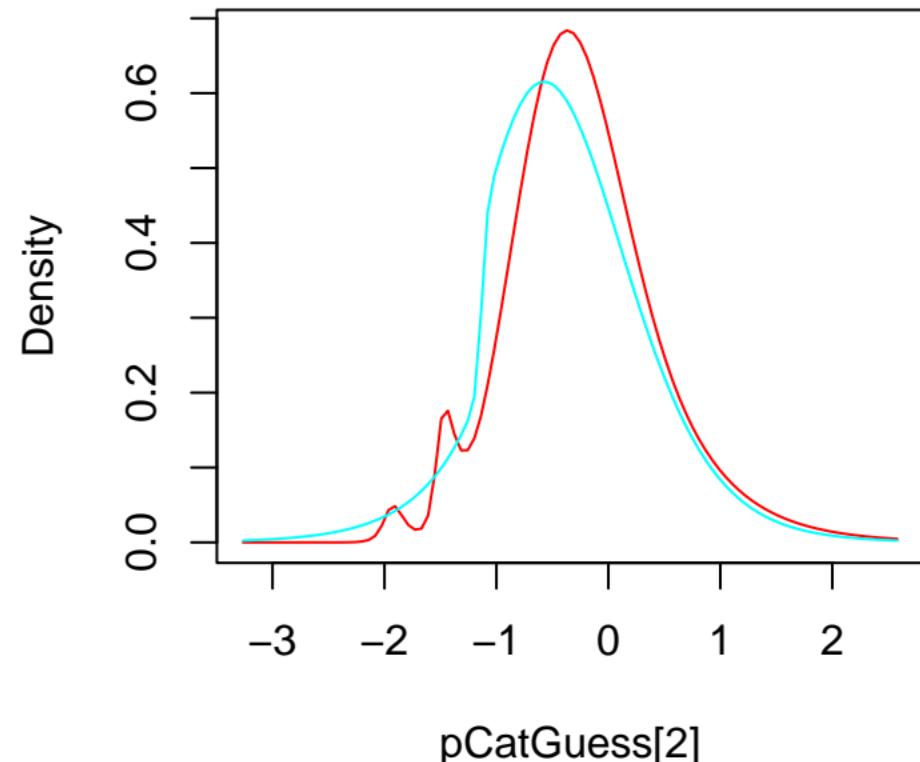
### Density for pCatGuess[19]



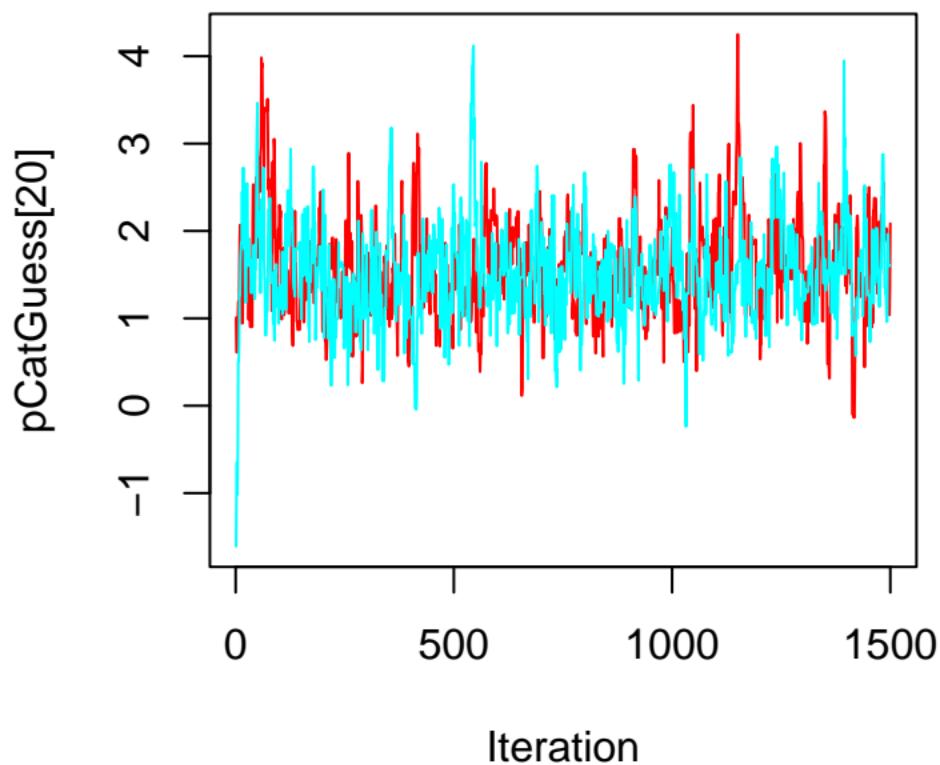
### Chain for pCatGuess[2]



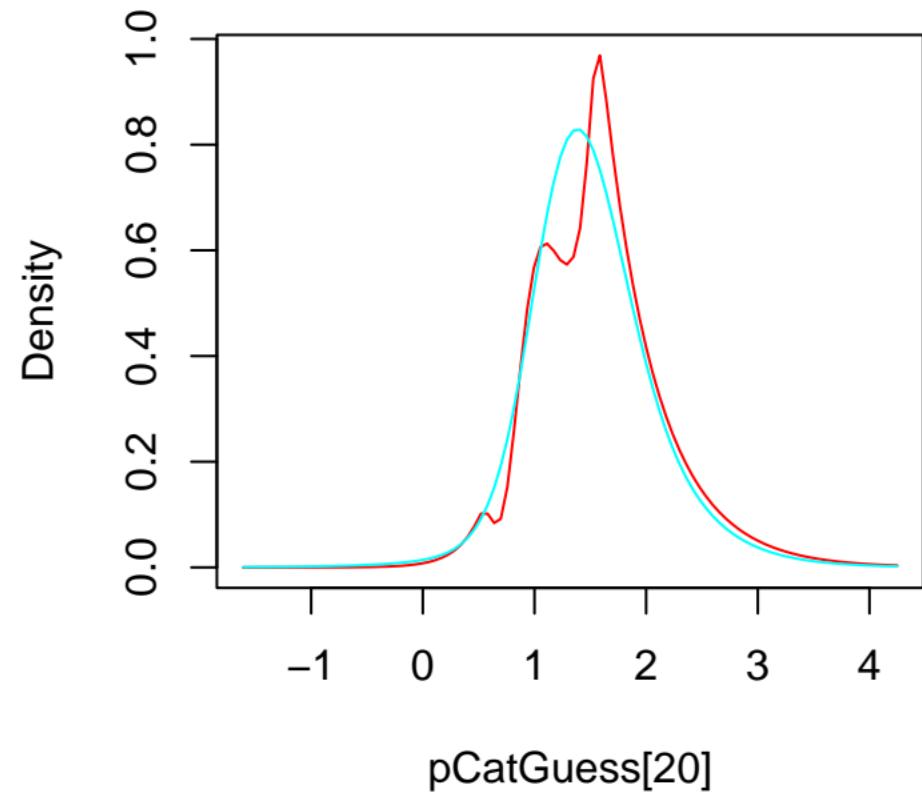
### Density for pCatGuess[2]



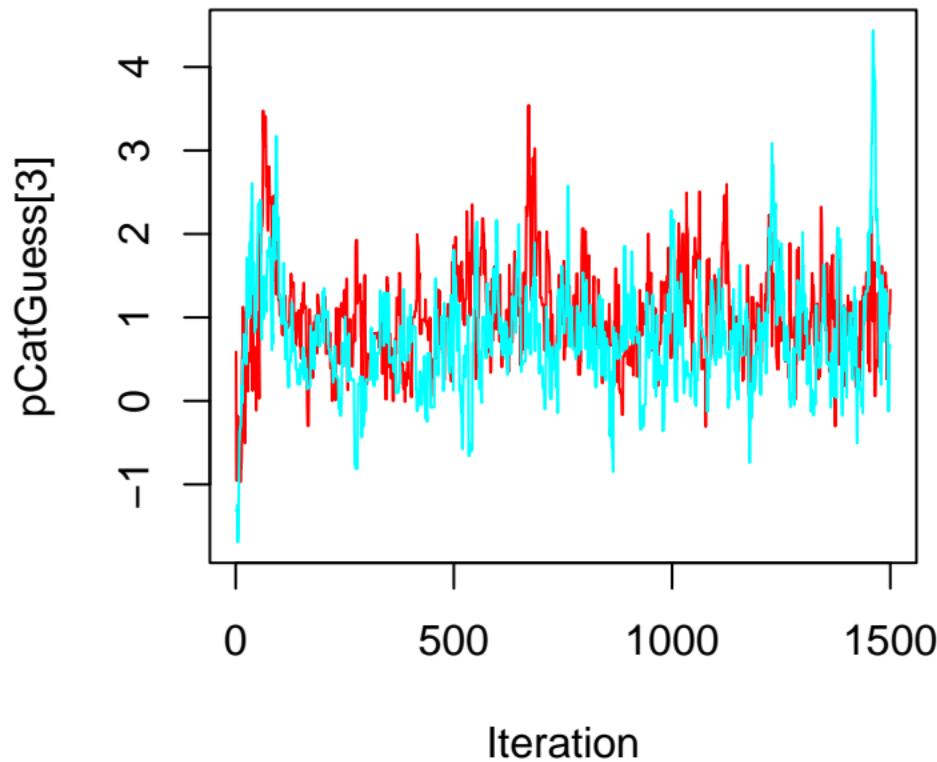
### Chain for pCatGuess[20]



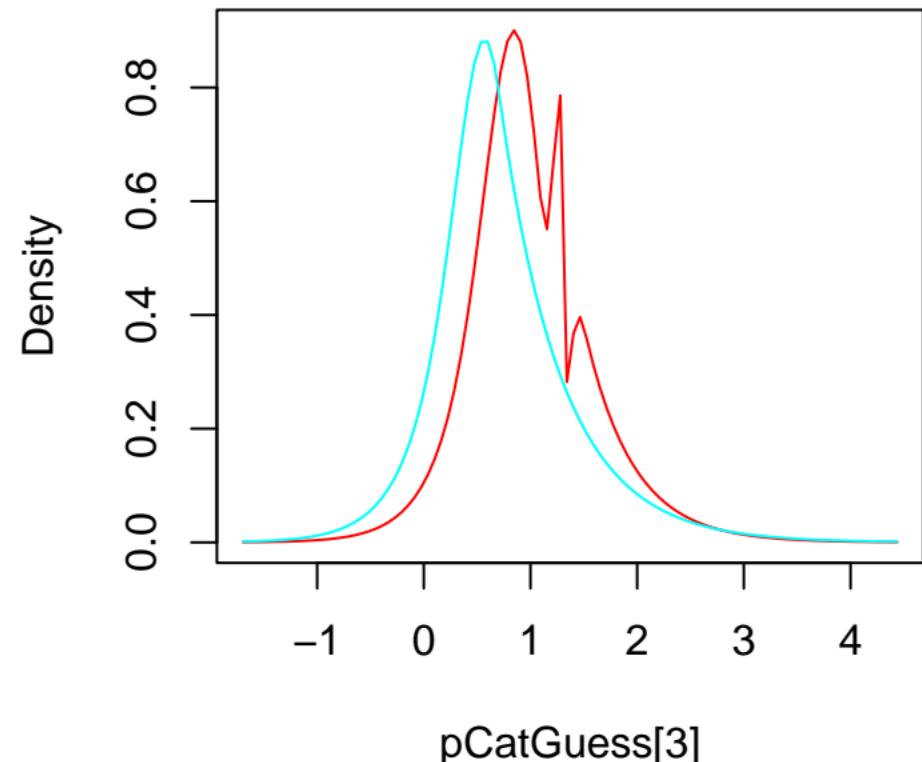
### Density for pCatGuess[20]



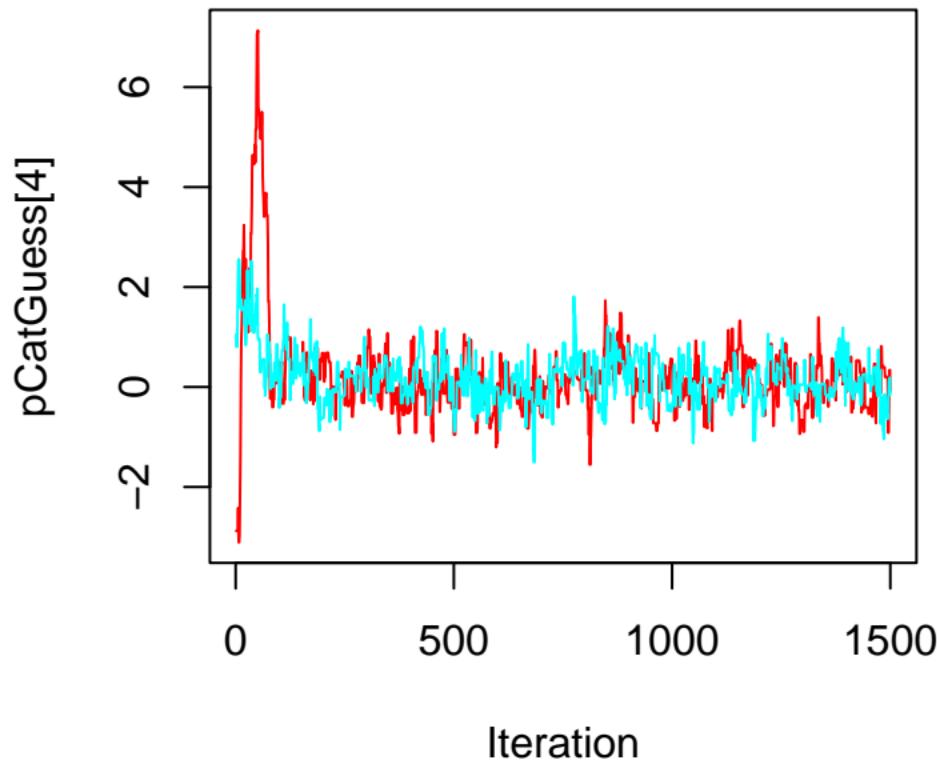
### Chain for pCatGuess[3]



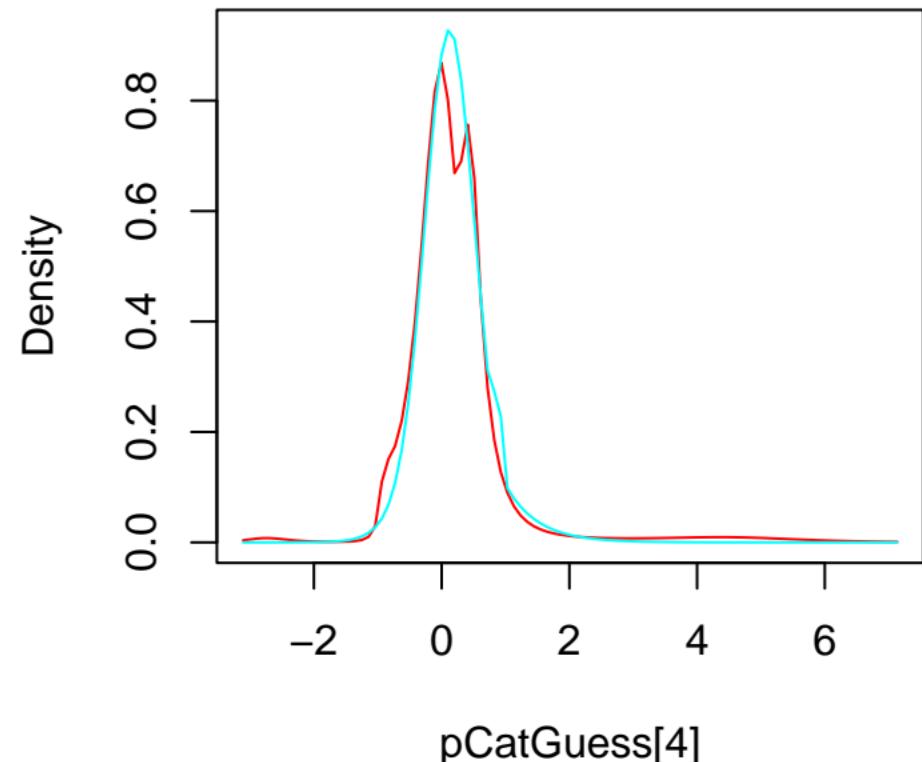
### Density for pCatGuess[3]



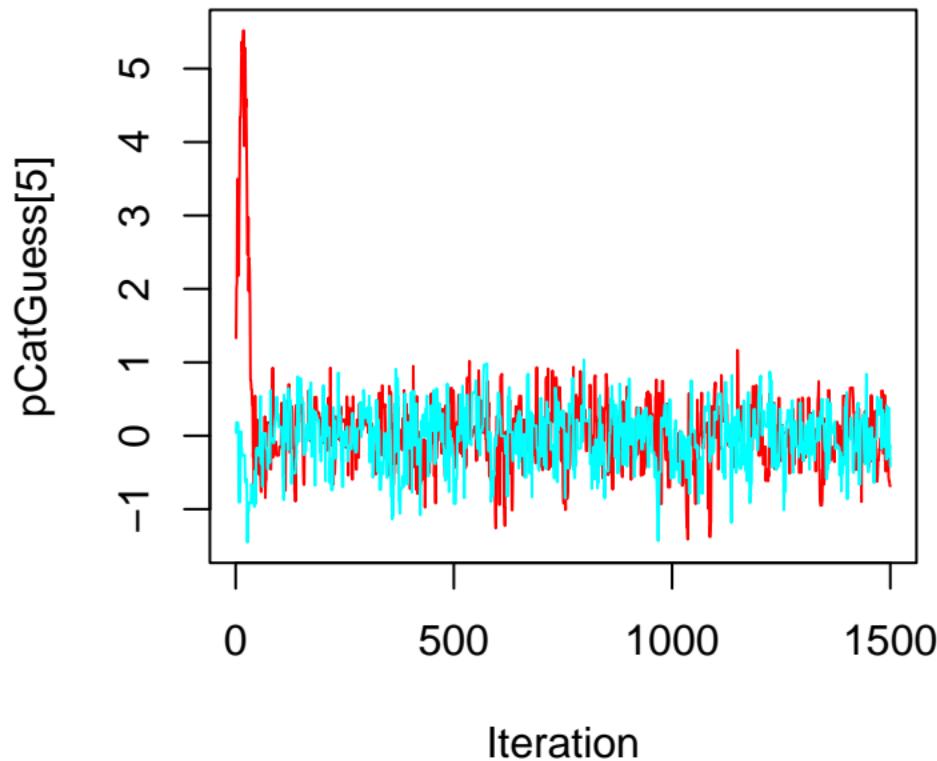
### Chain for pCatGuess[4]



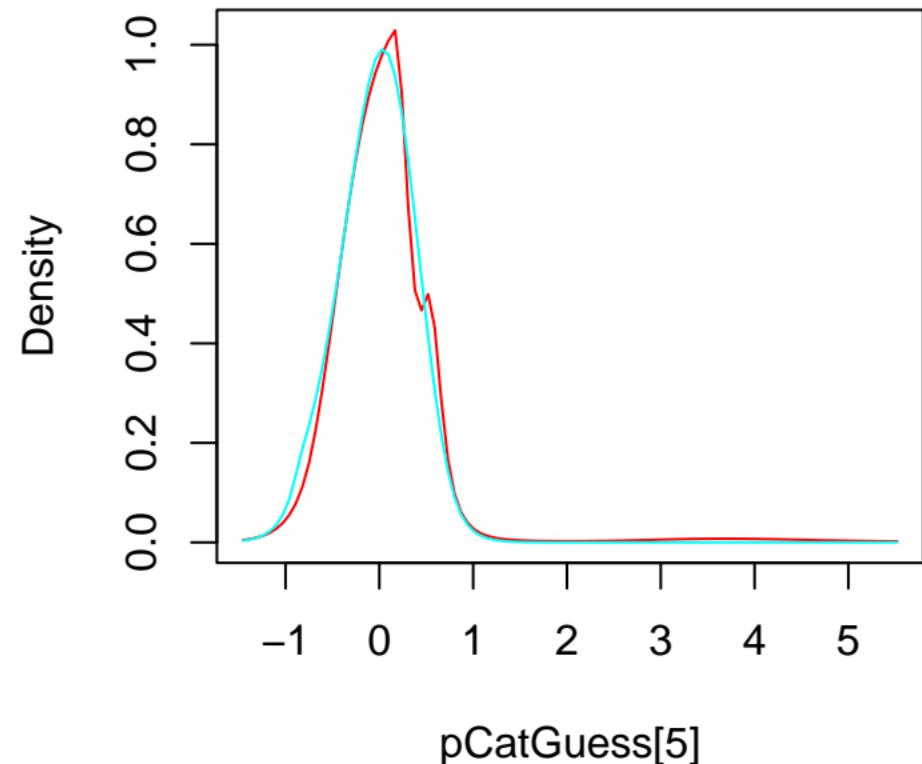
### Density for pCatGuess[4]



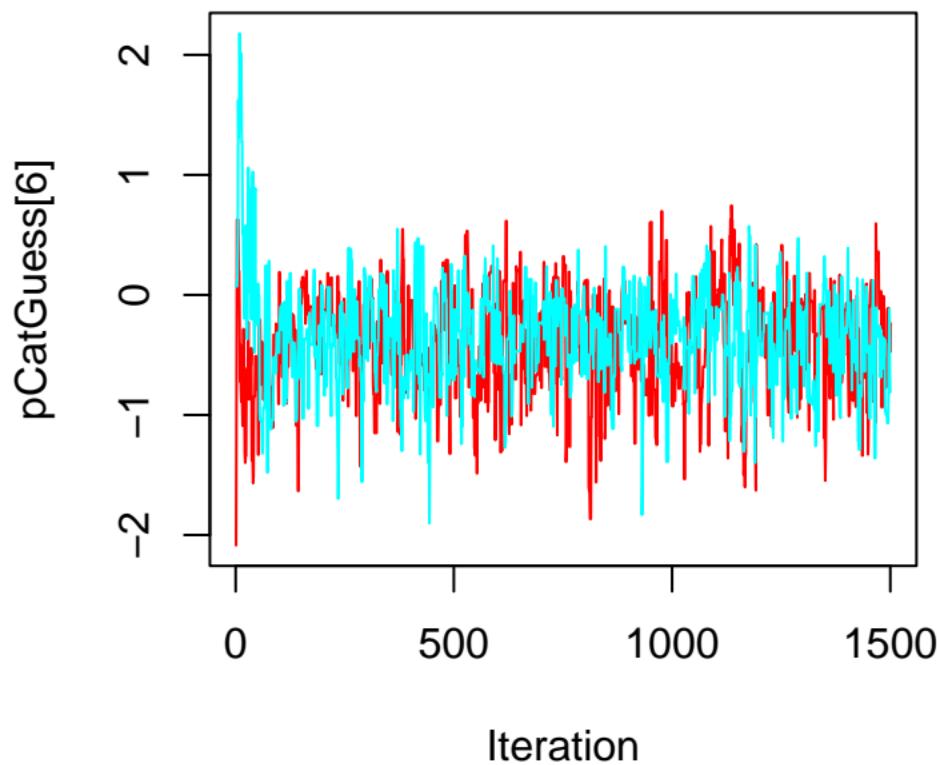
### Chain for pCatGuess[5]



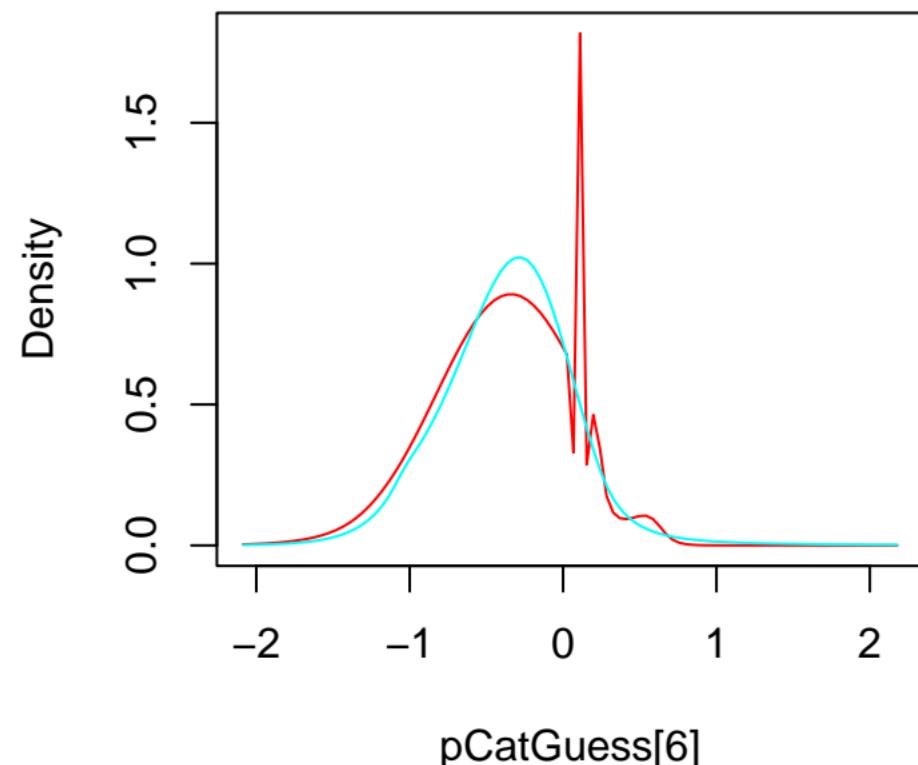
### Density for pCatGuess[5]



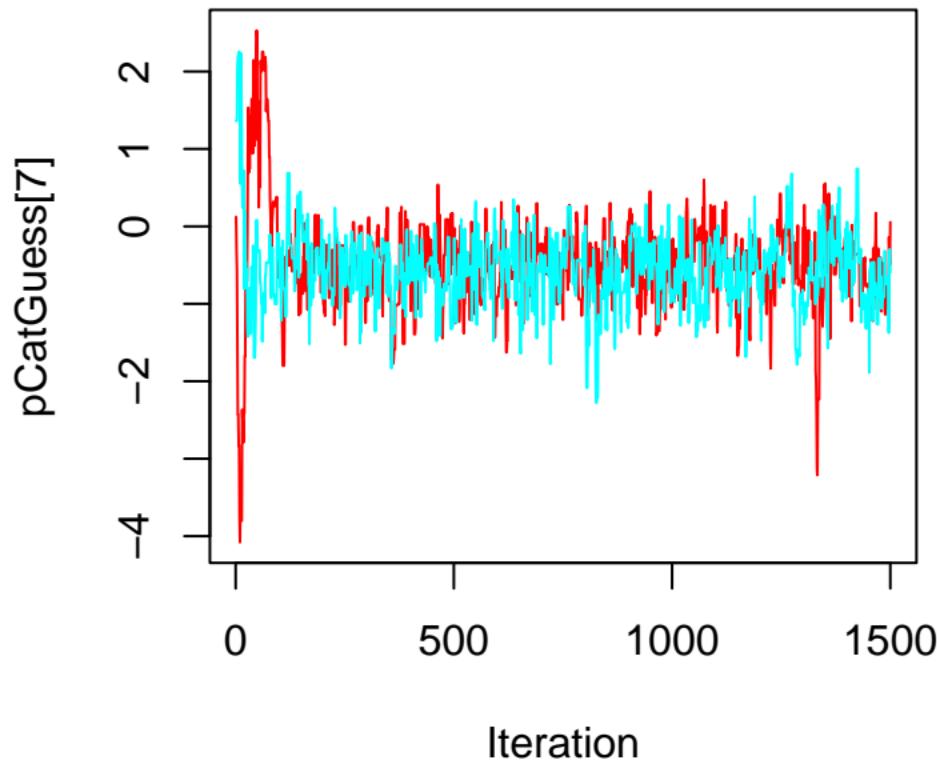
### Chain for pCatGuess[6]



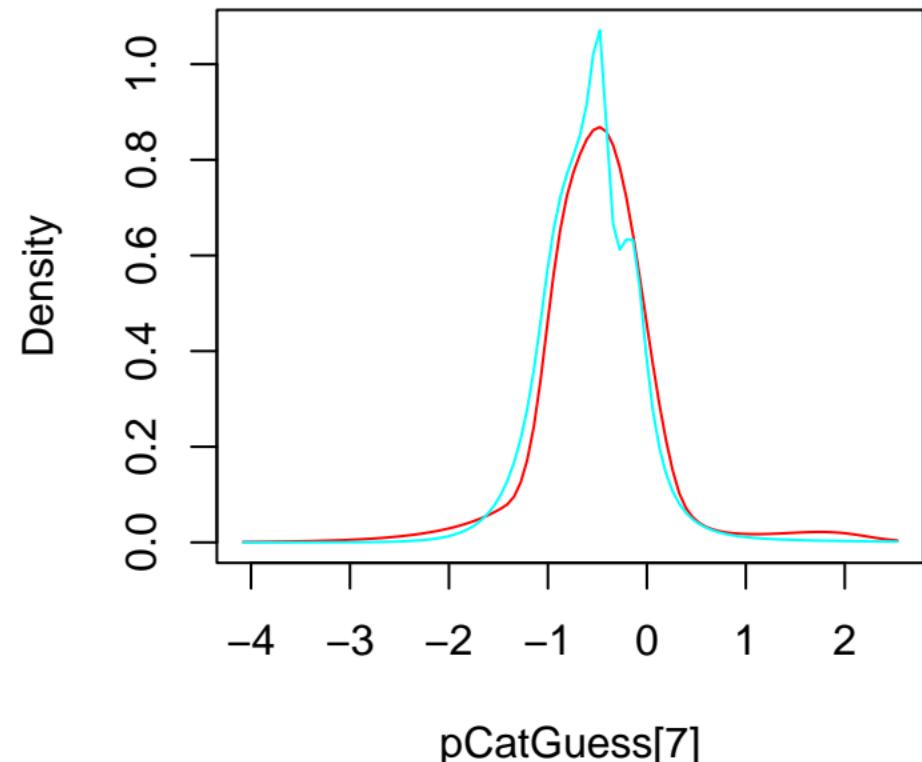
### Density for pCatGuess[6]



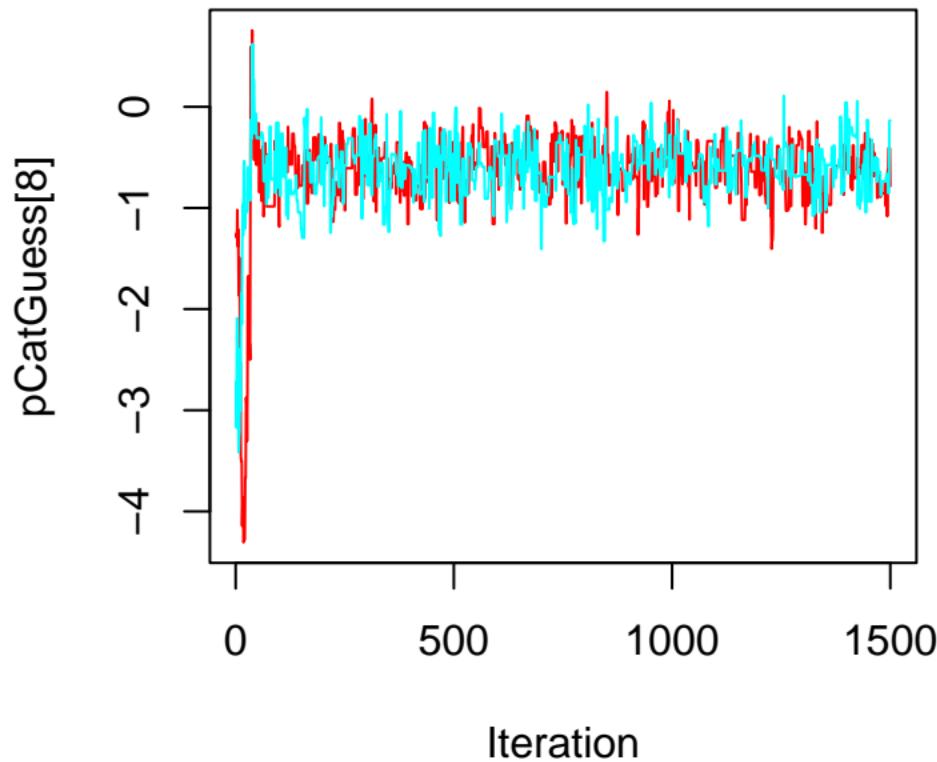
### Chain for pCatGuess[7]



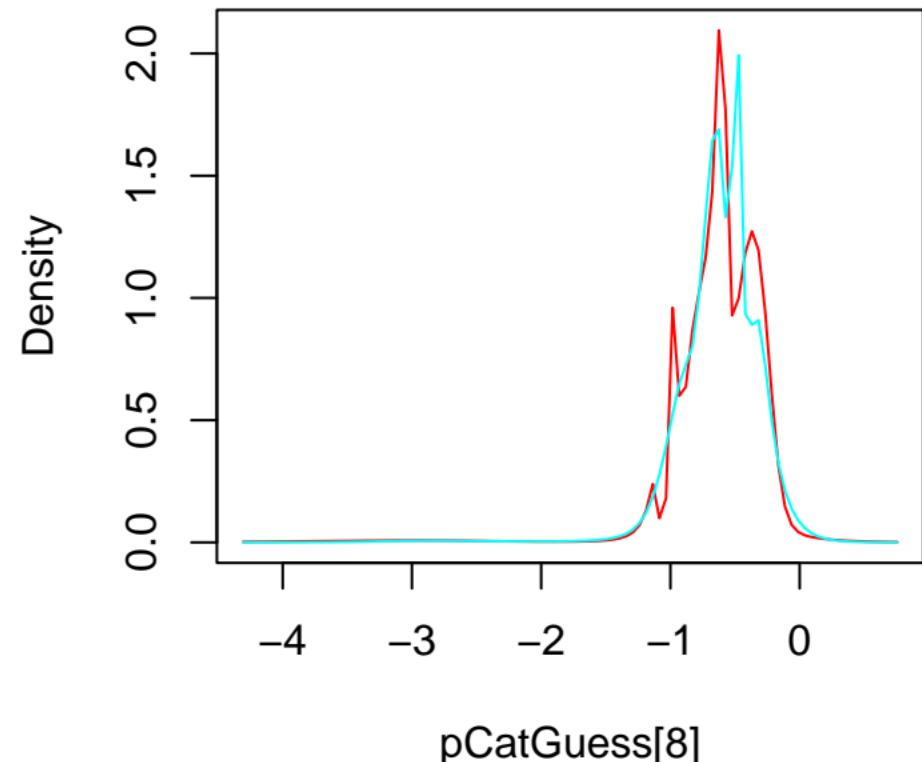
### Density for pCatGuess[7]



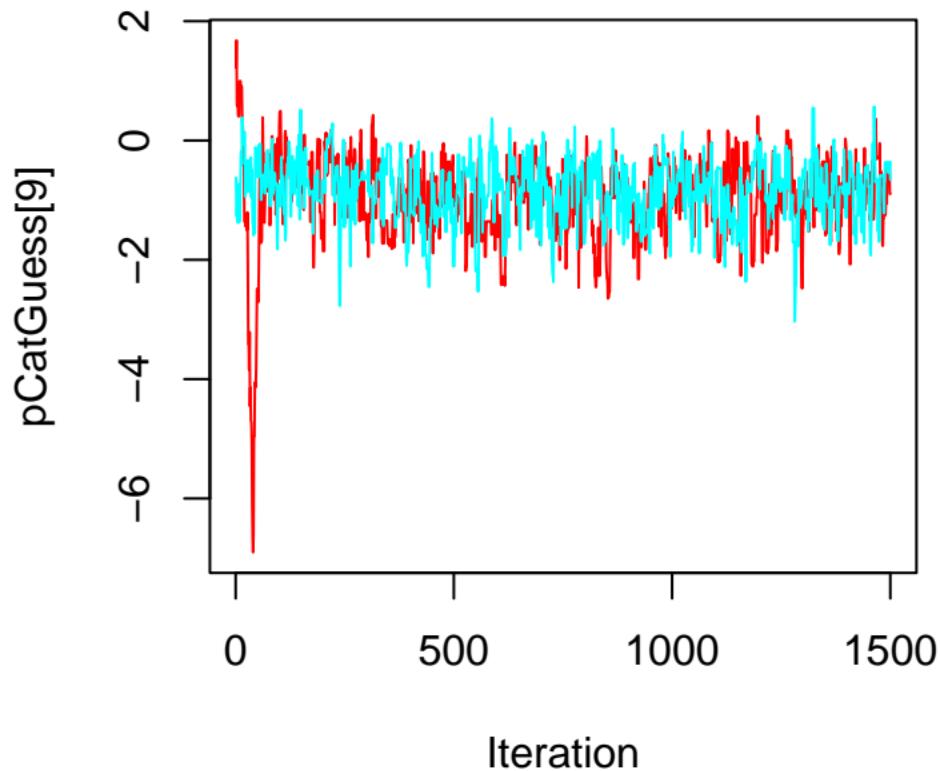
### Chain for pCatGuess[8]



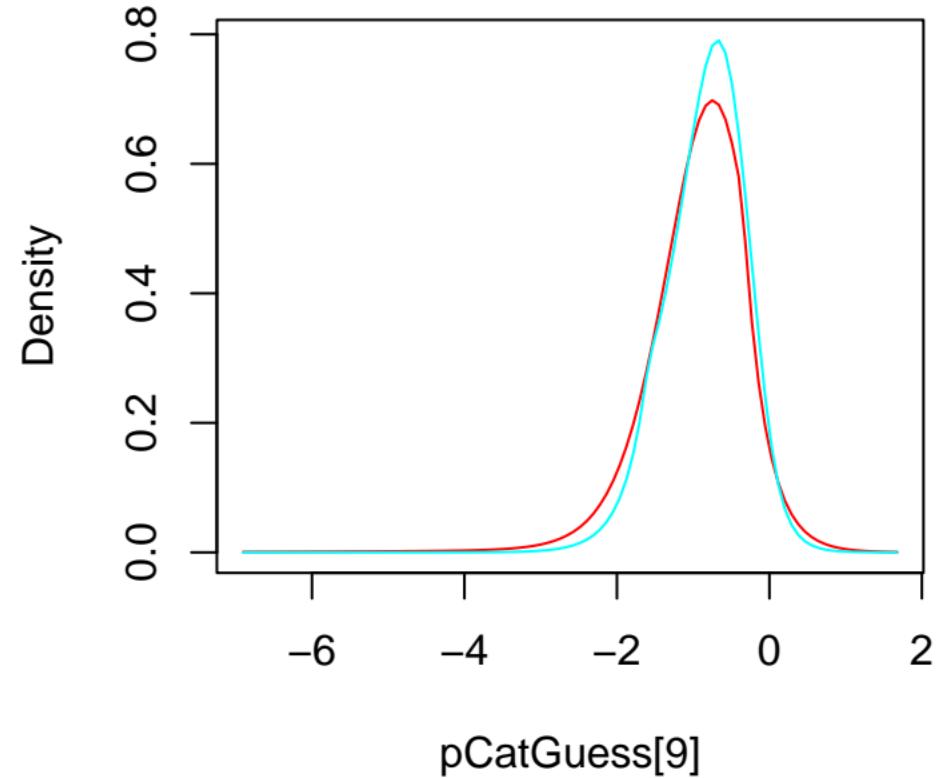
### Density for pCatGuess[8]



### Chain for pCatGuess[9]

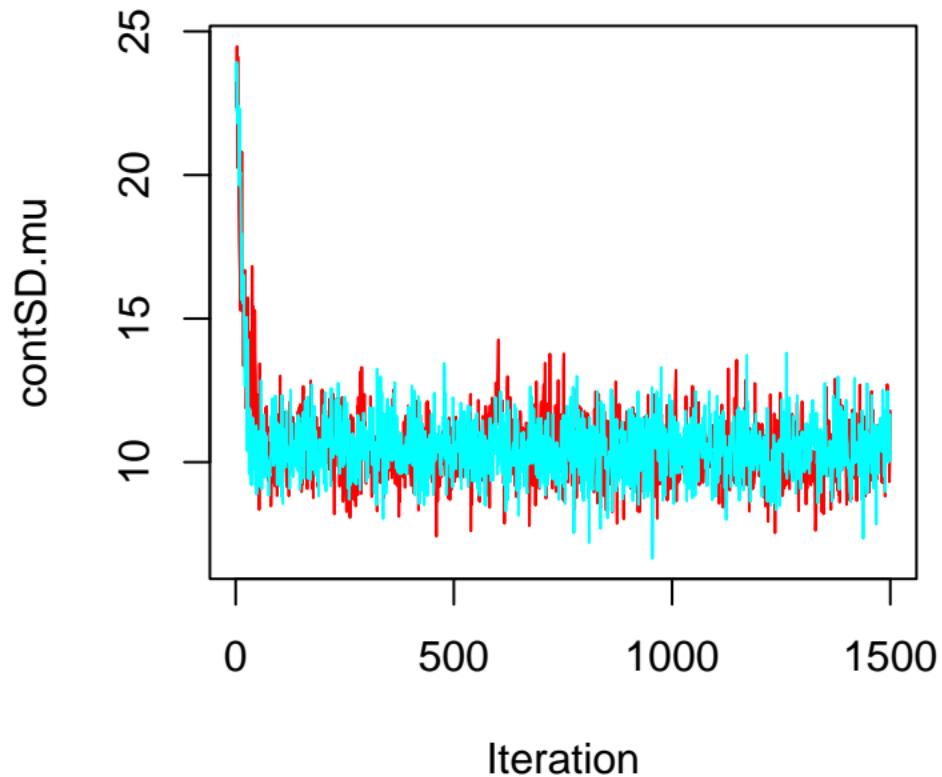


### Density for pCatGuess[9]

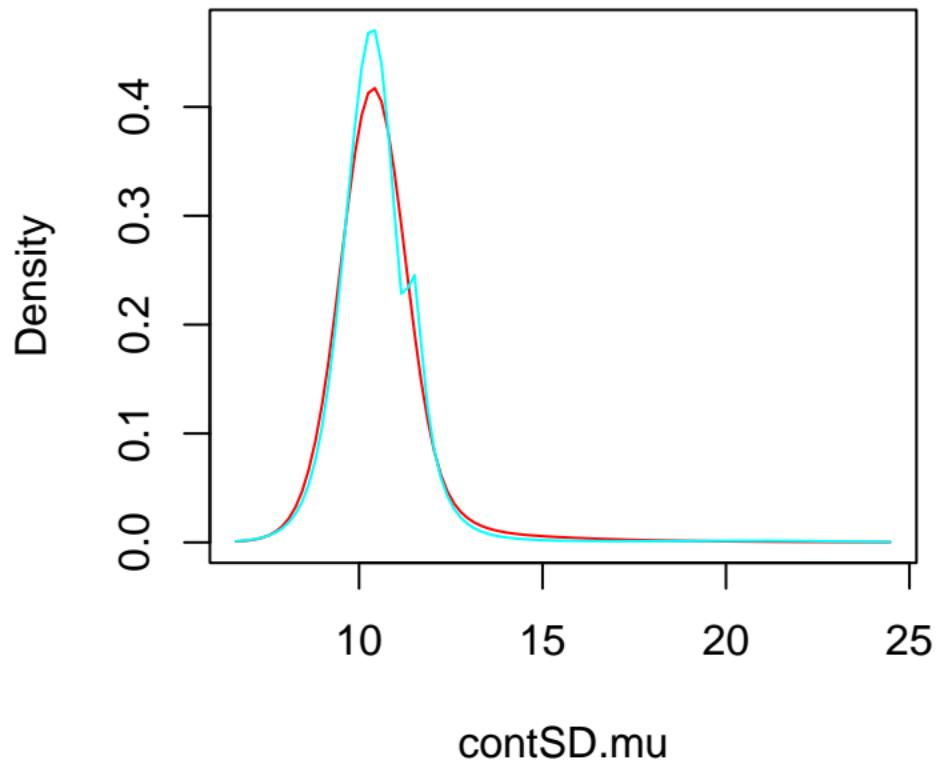


contSD

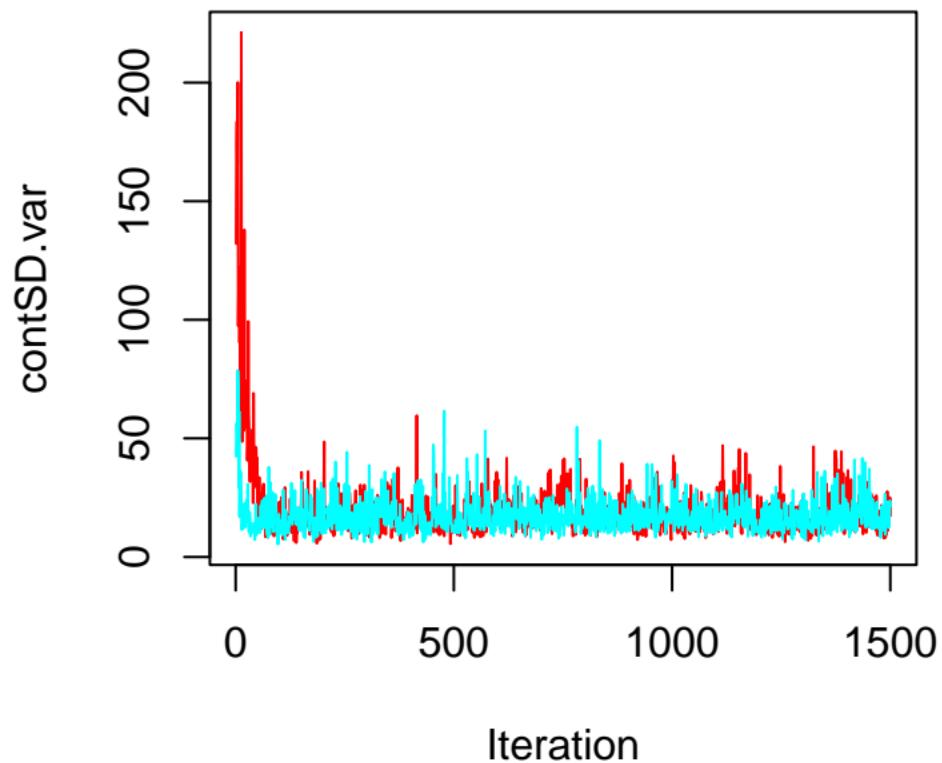
### Chain for contSD.mu



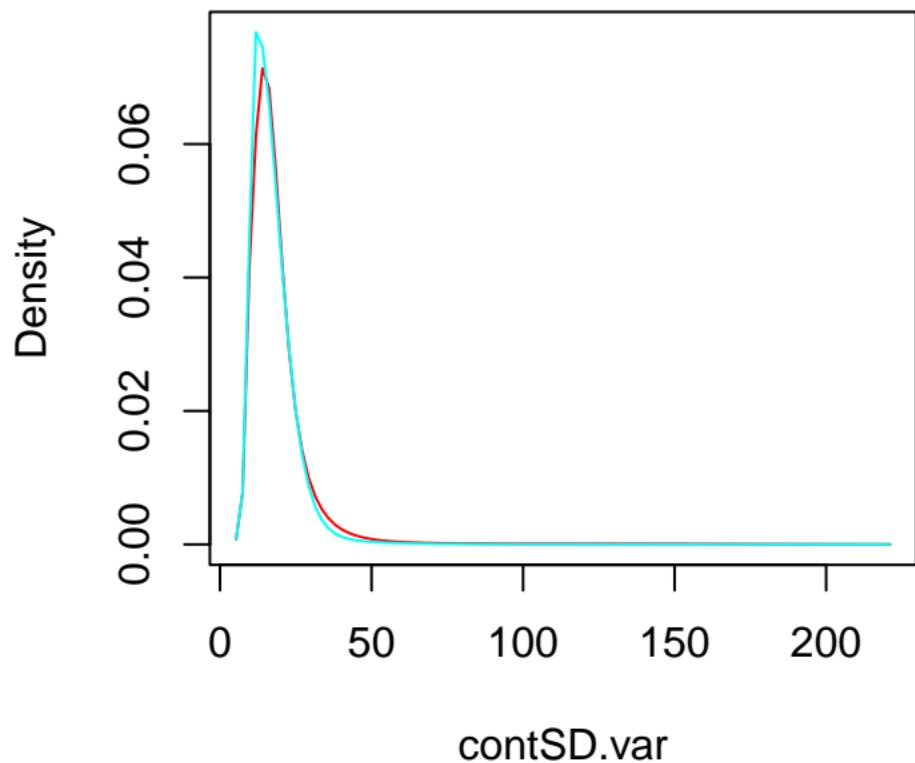
### Density for contSD.mu



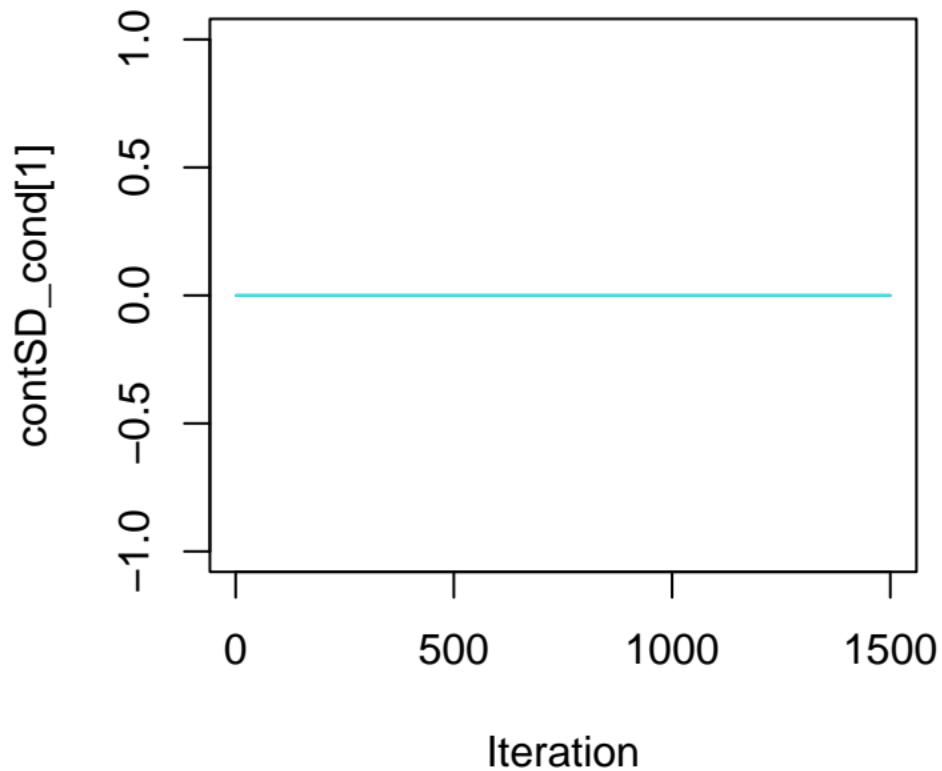
### Chain for contSD.var



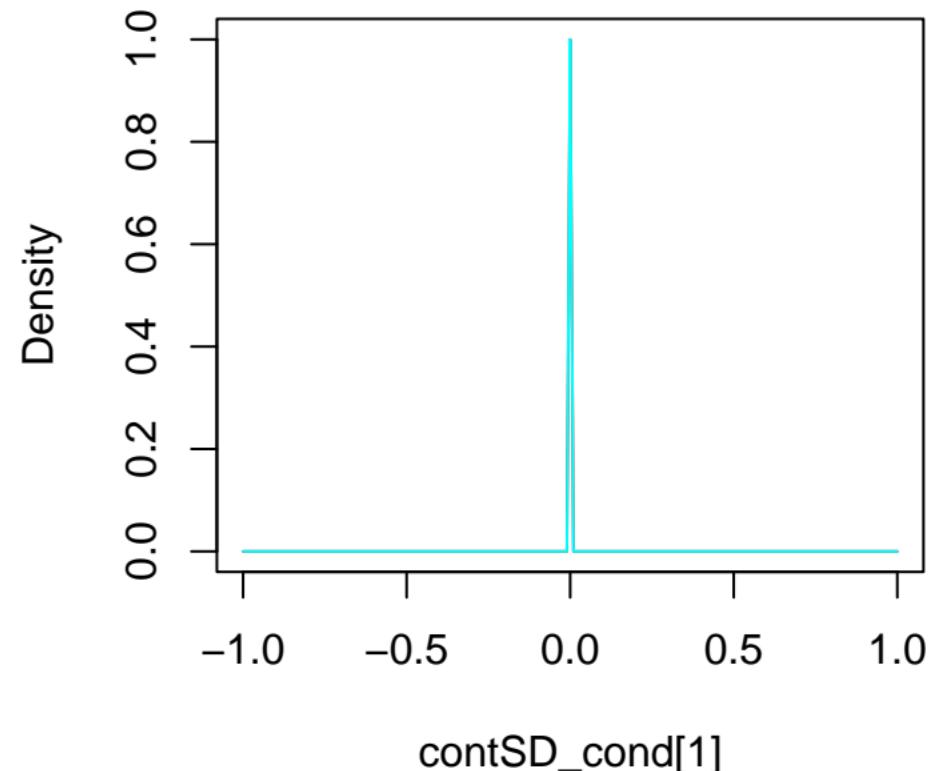
### Density for contSD.var



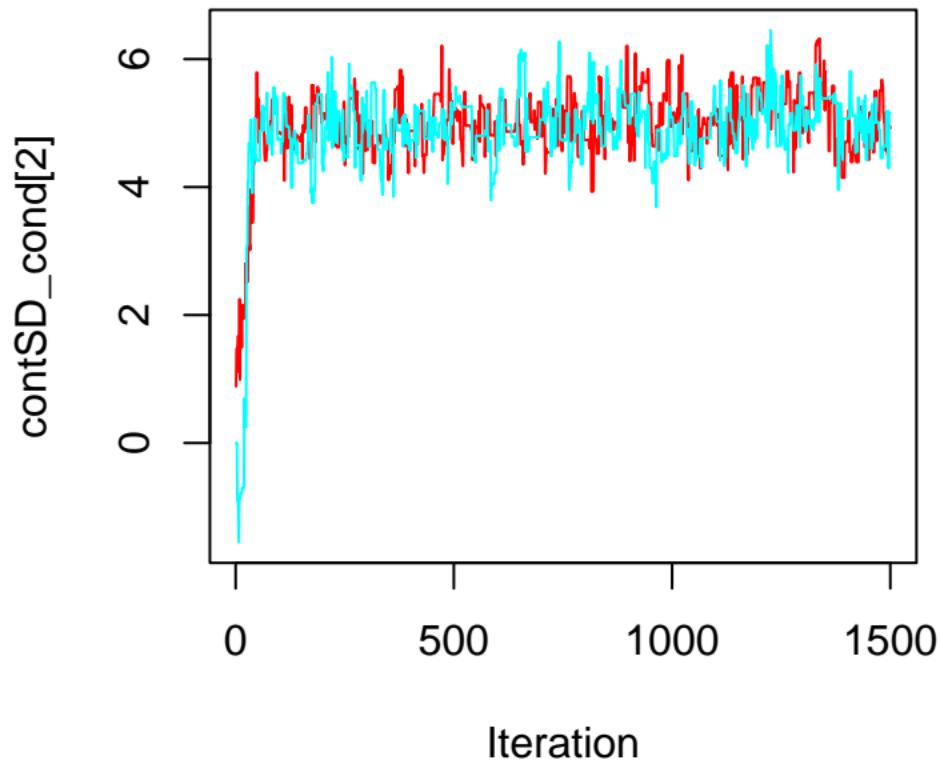
**Chain for contSD\_cond[1]**



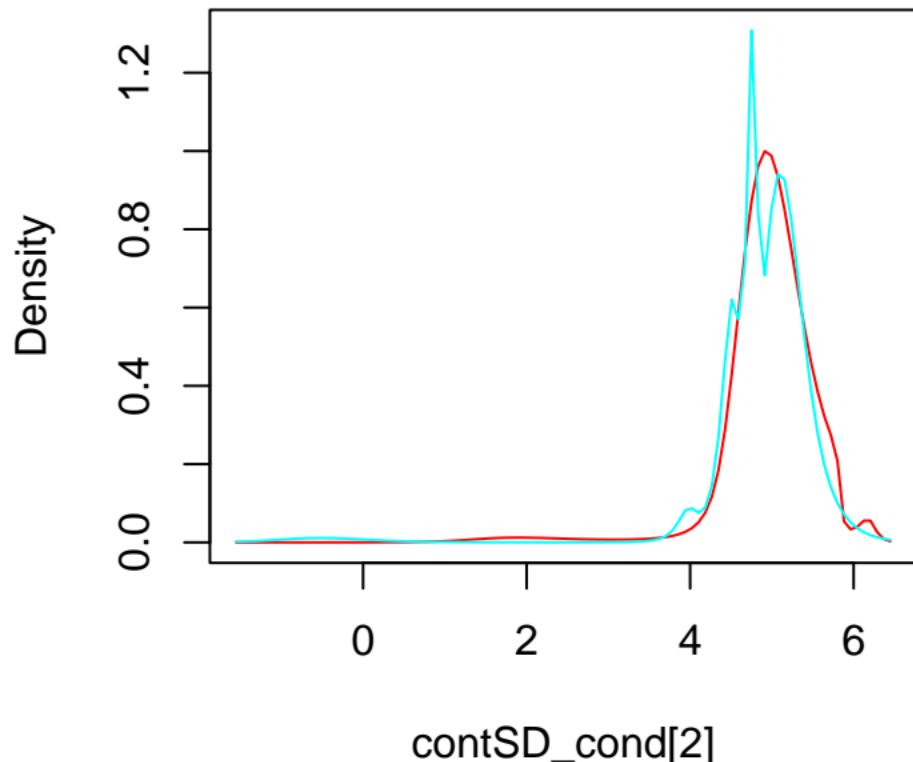
**Density for contSD\_cond[1]**



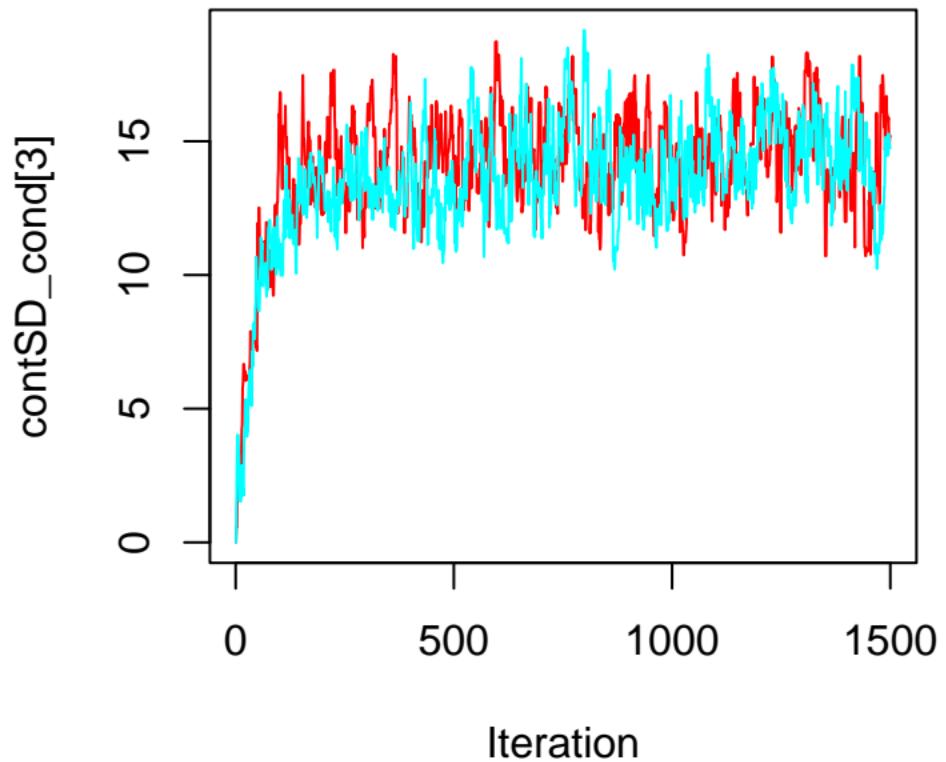
**Chain for contSD\_cond[2]**



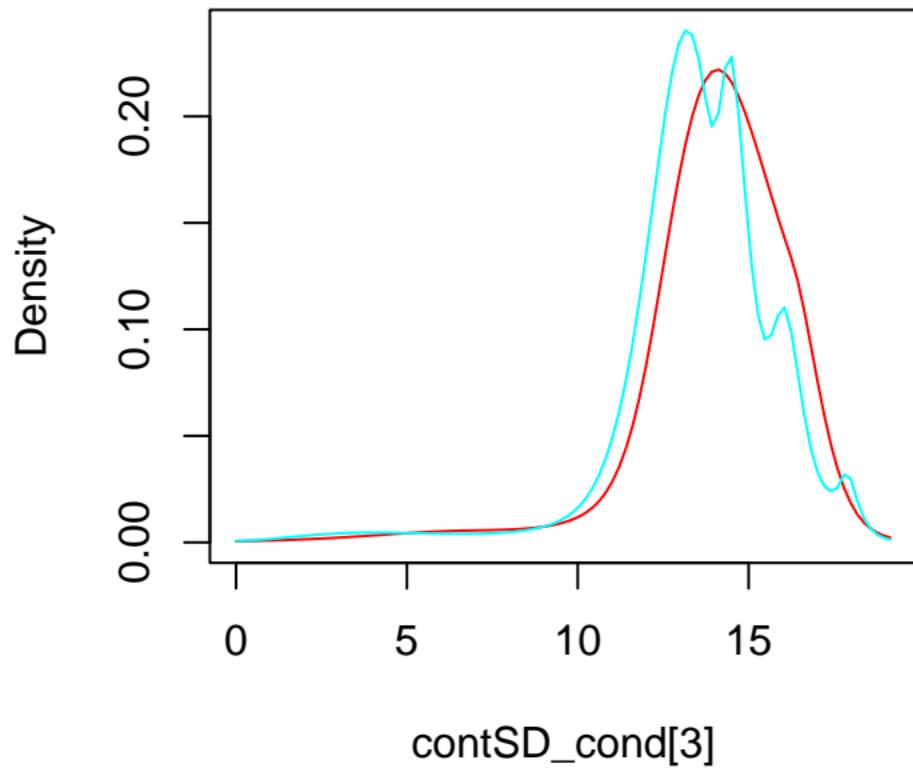
**Density for contSD\_cond[2]**



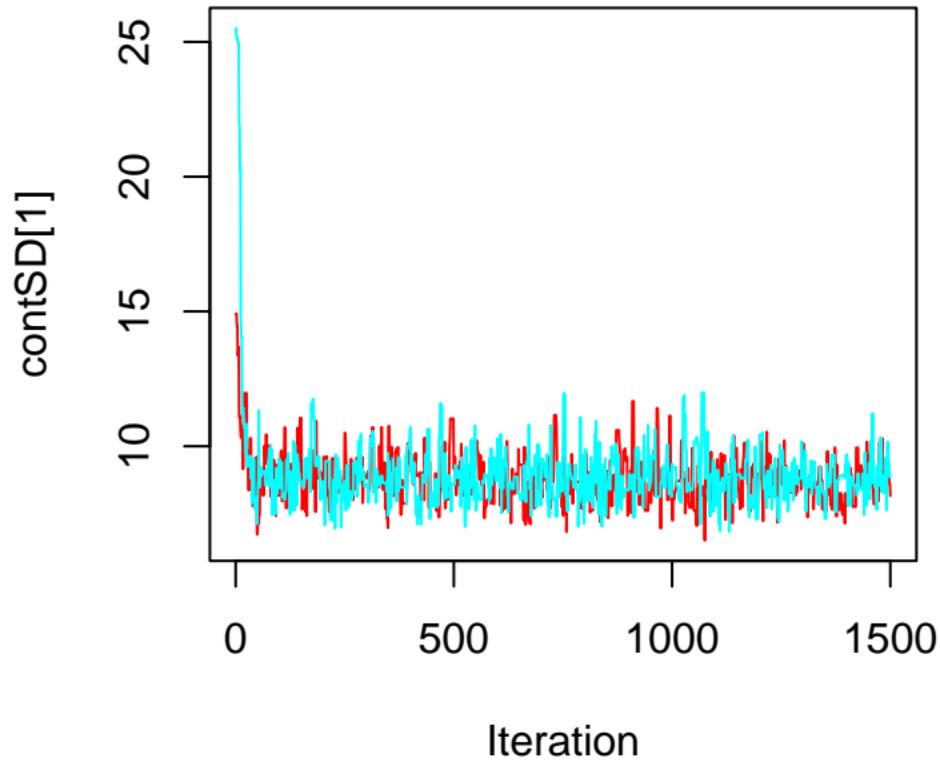
**Chain for contSD\_cond[3]**



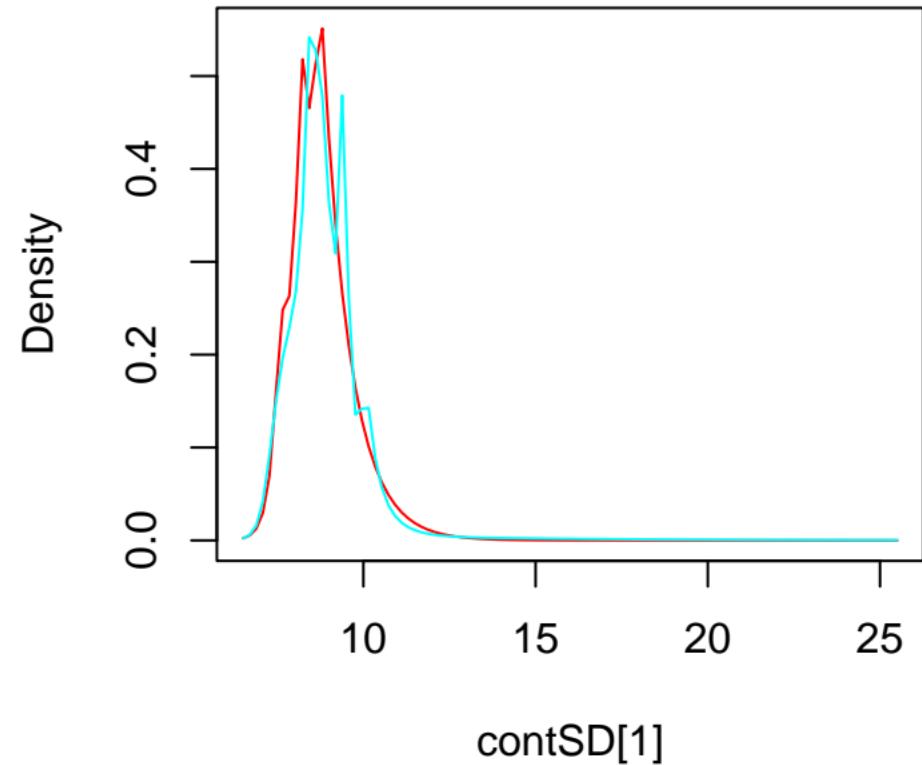
**Density for contSD\_cond[3]**



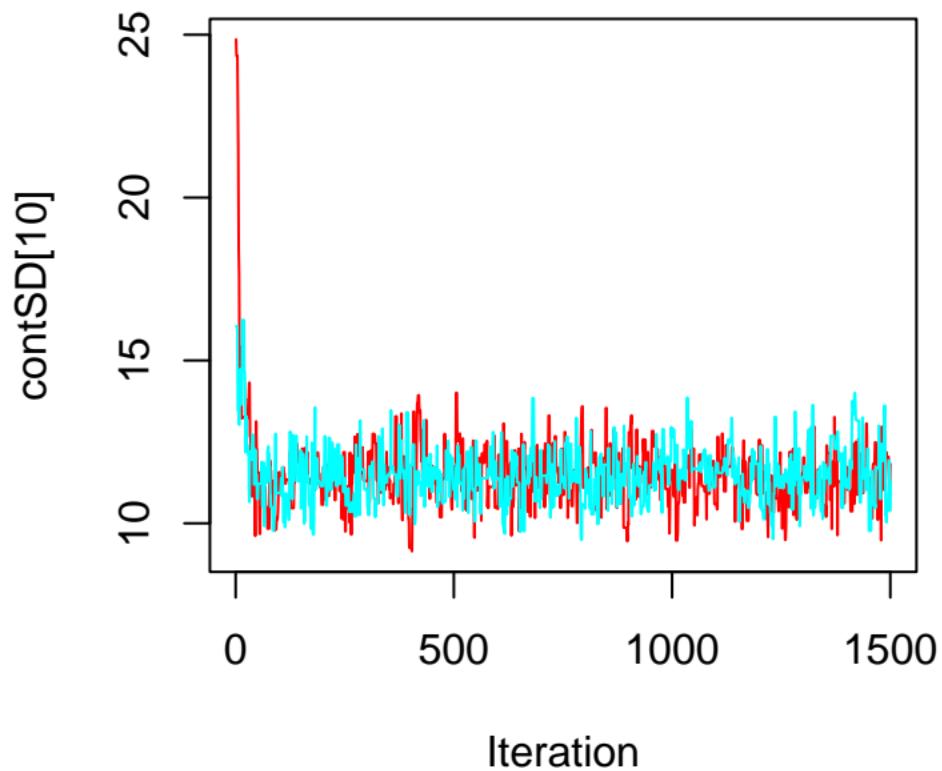
### Chain for contSD[1]



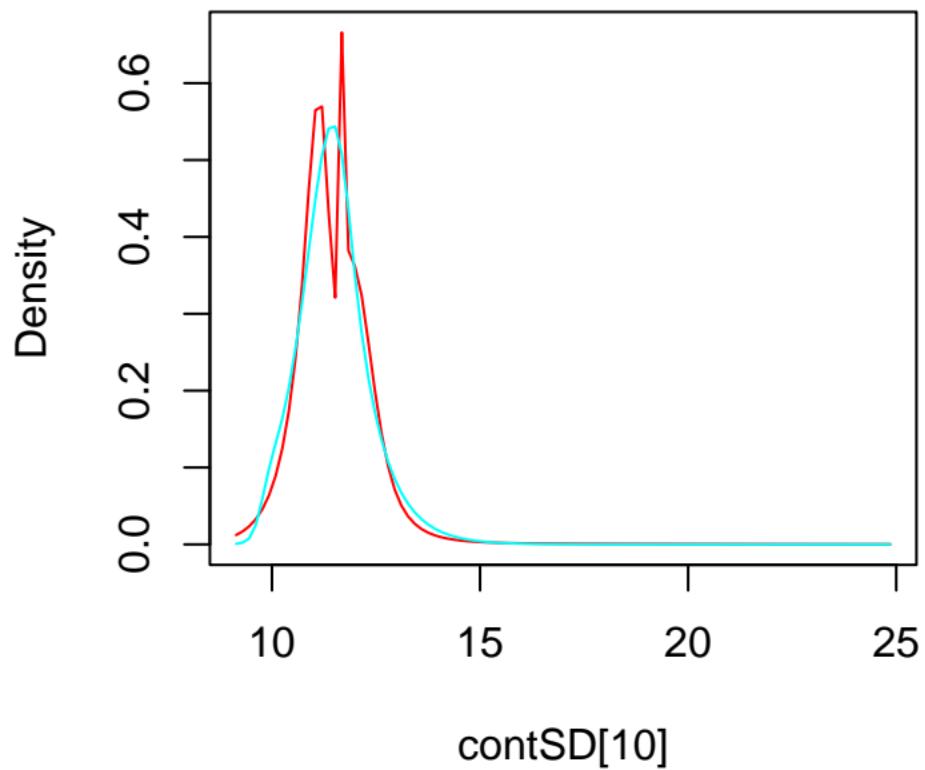
### Density for contSD[1]



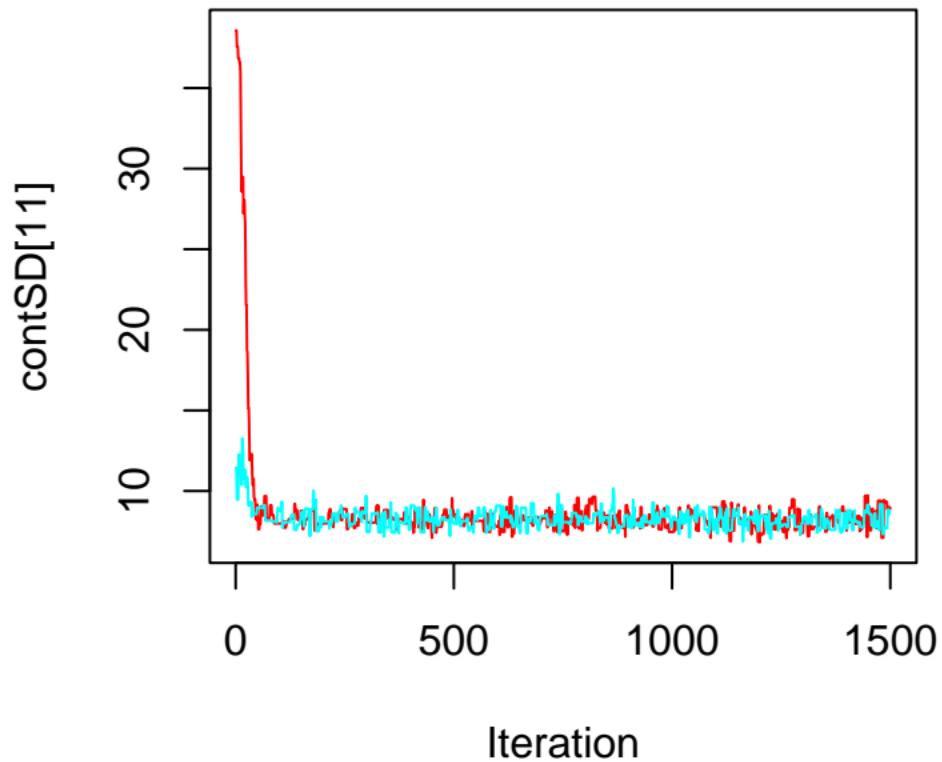
### Chain for contSD[10]



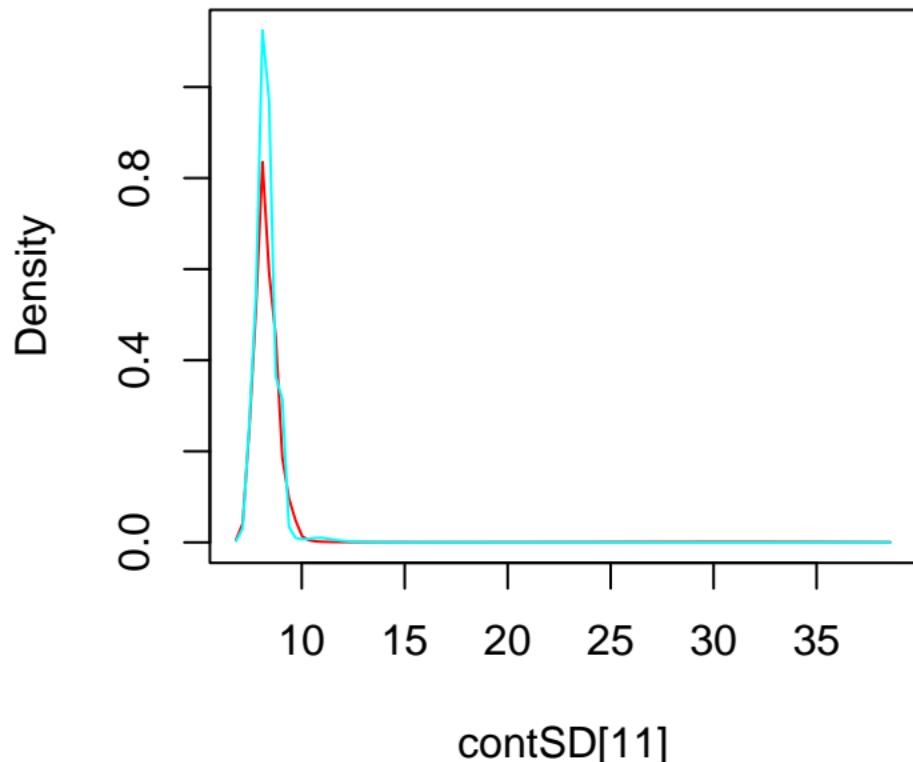
### Density for contSD[10]



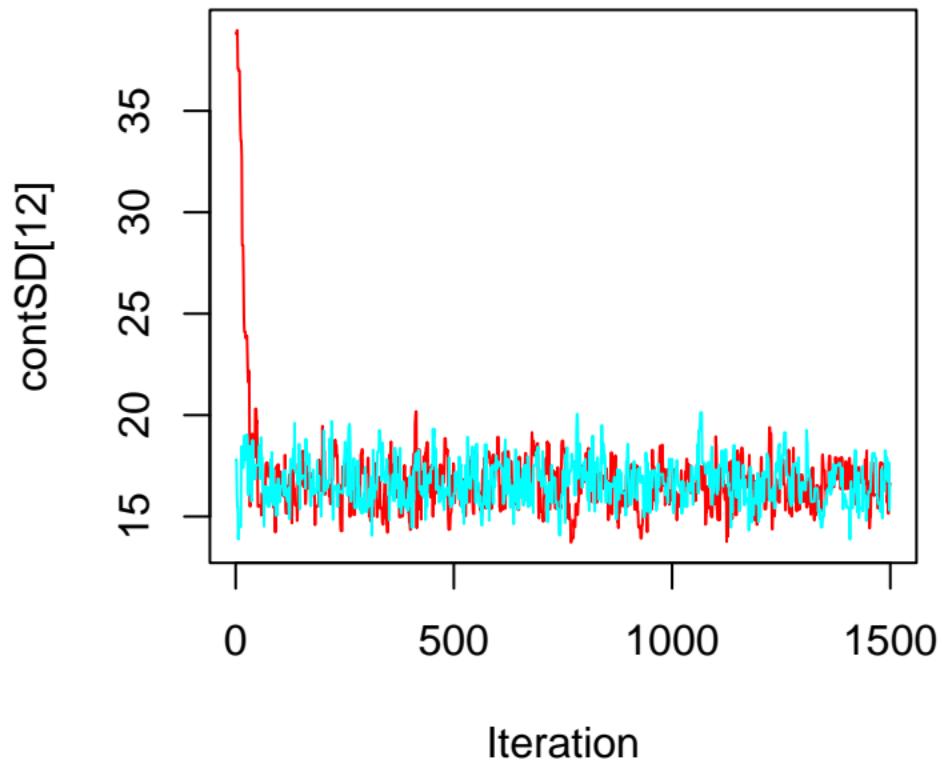
**Chain for contSD[11]**



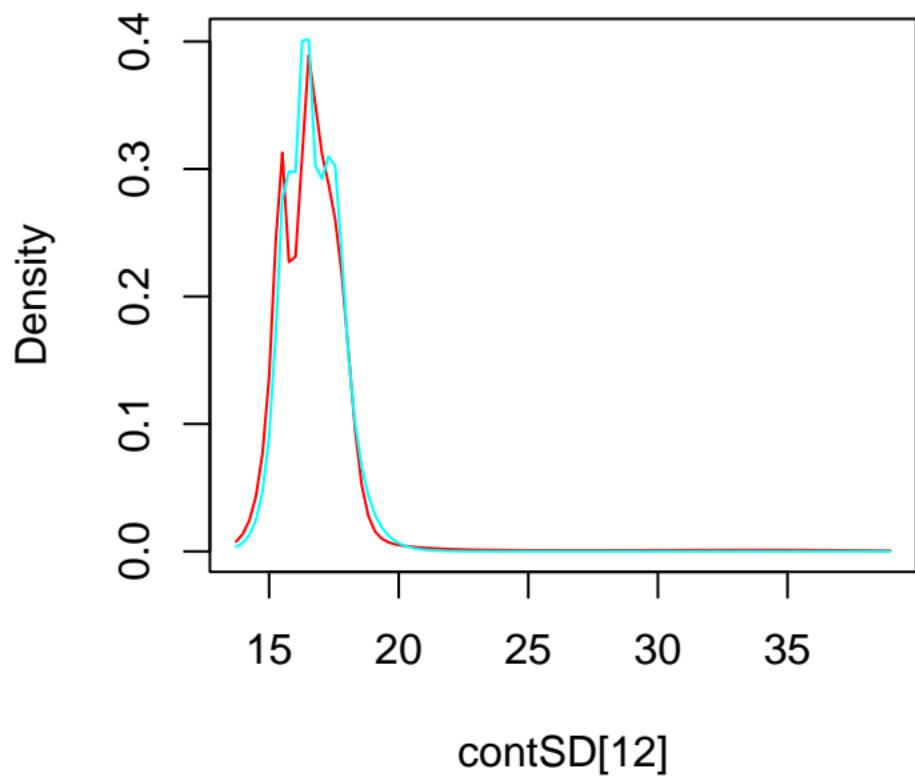
**Density for contSD[11]**



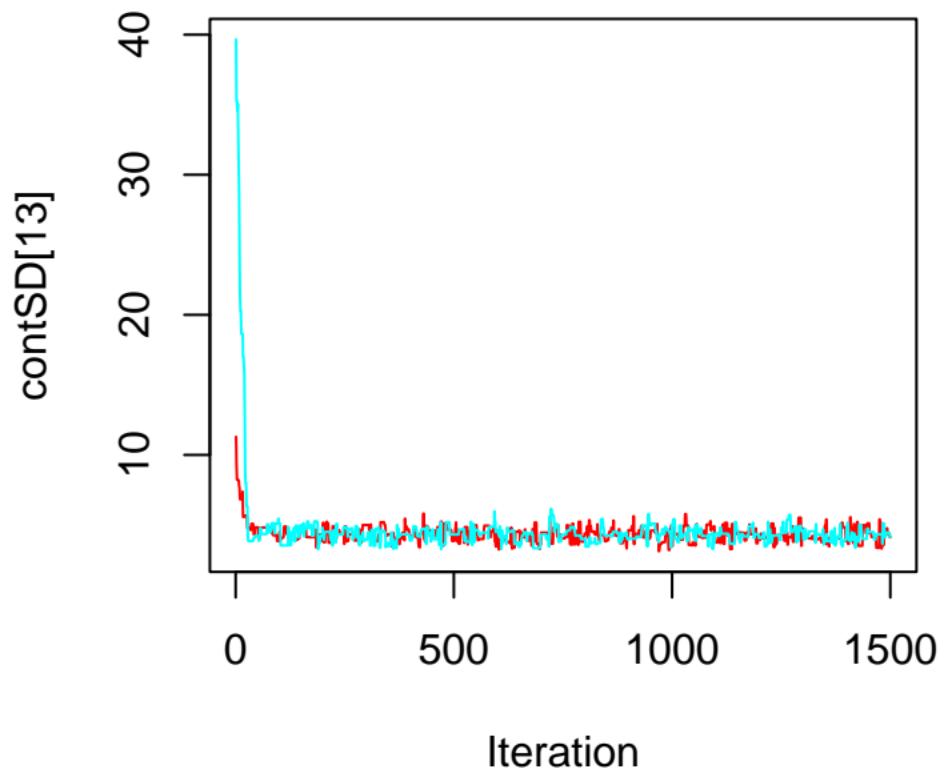
**Chain for contSD[12]**



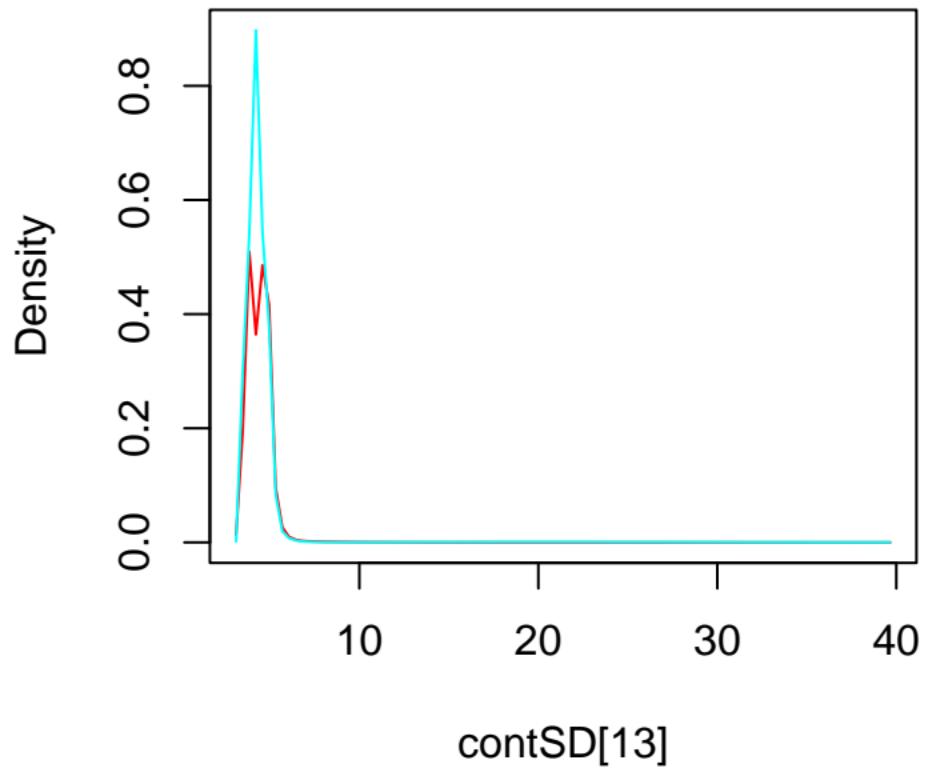
**Density for contSD[12]**



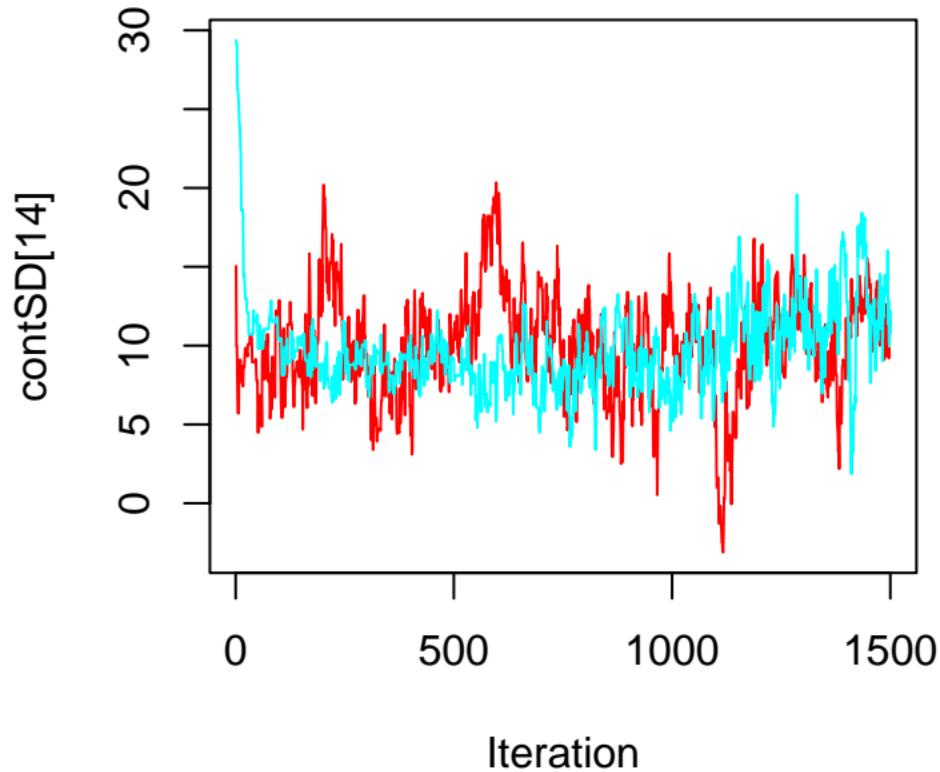
**Chain for contSD[13]**



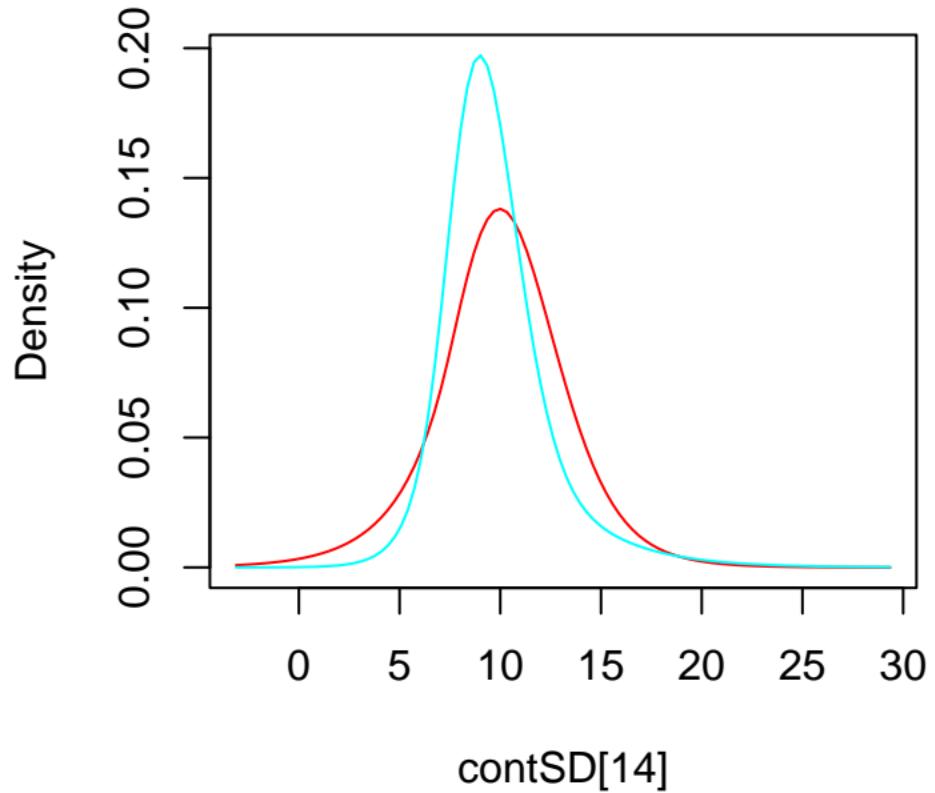
**Density for contSD[13]**



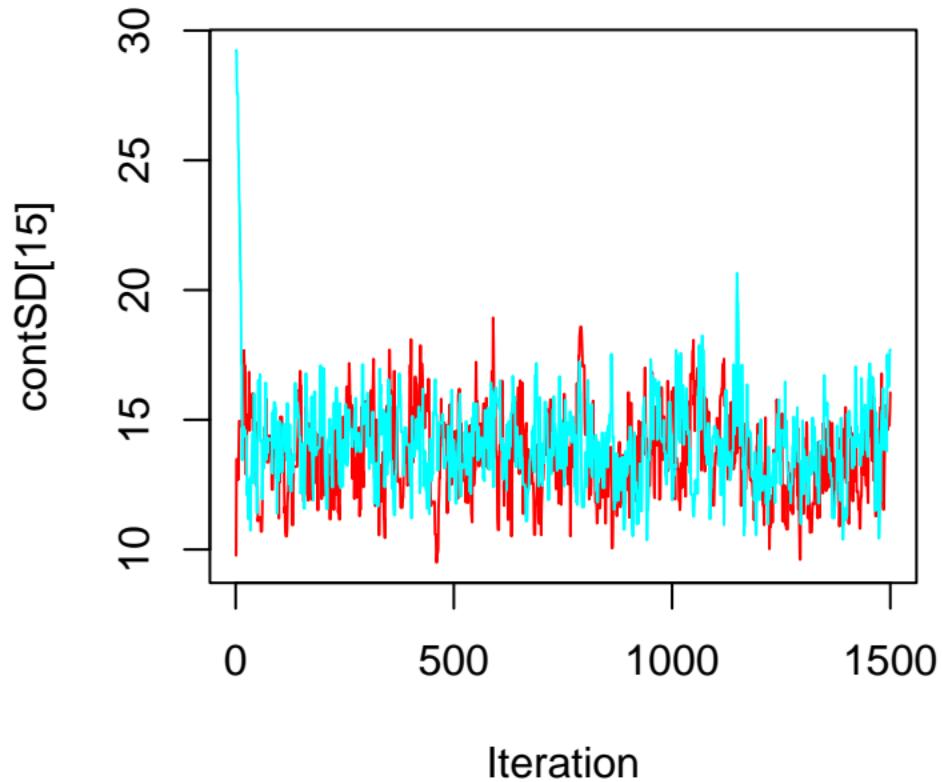
### Chain for contSD[14]



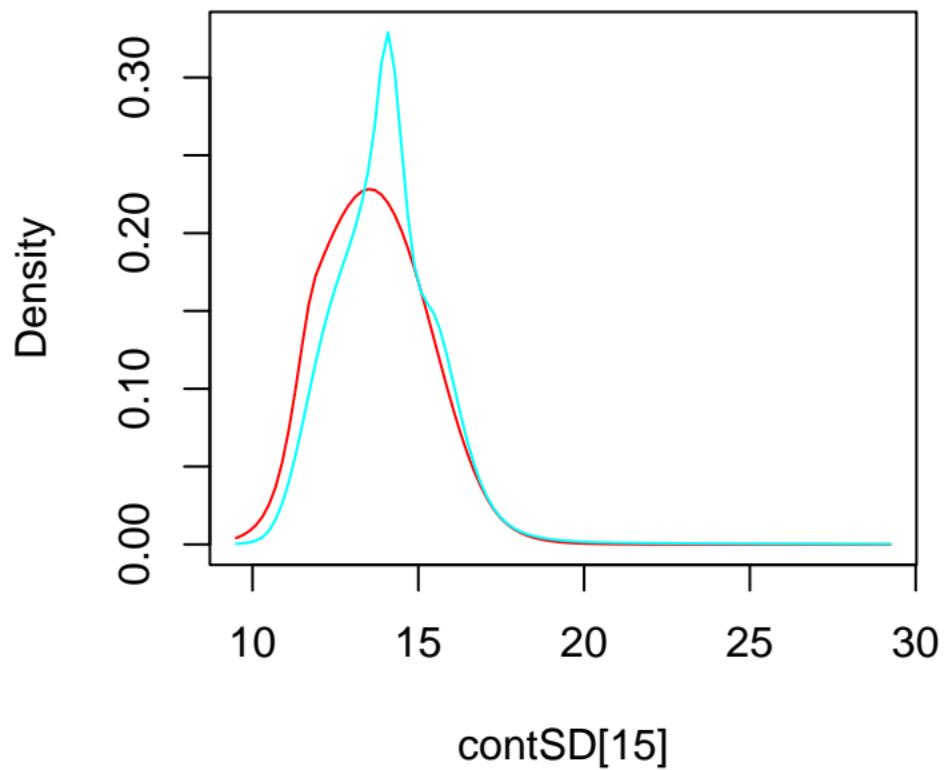
### Density for contSD[14]



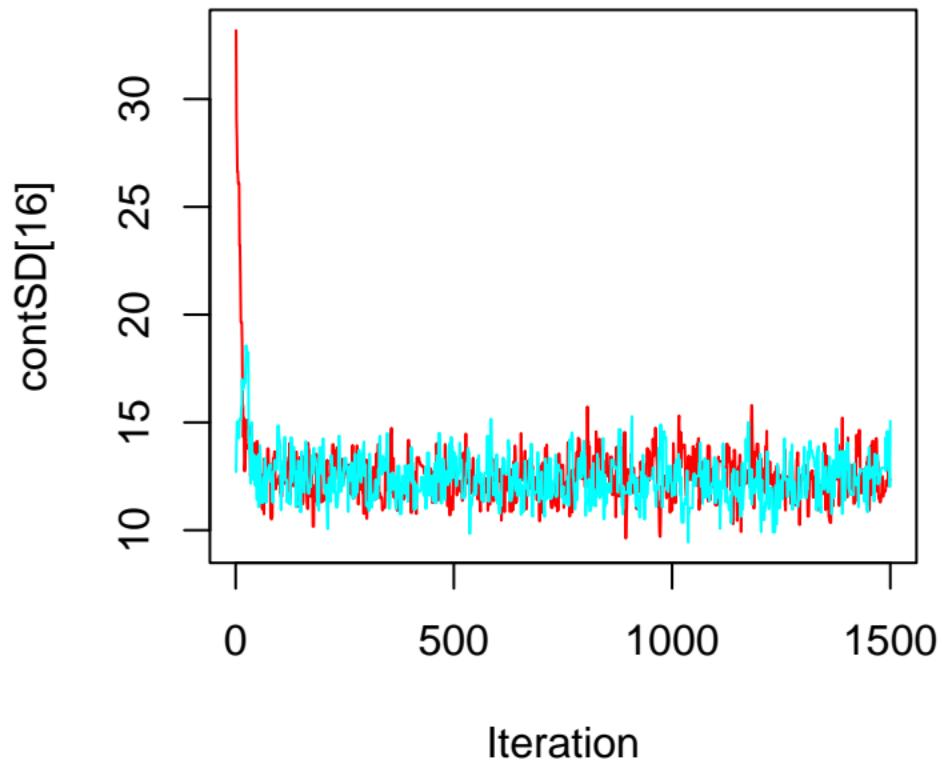
### Chain for contSD[15]



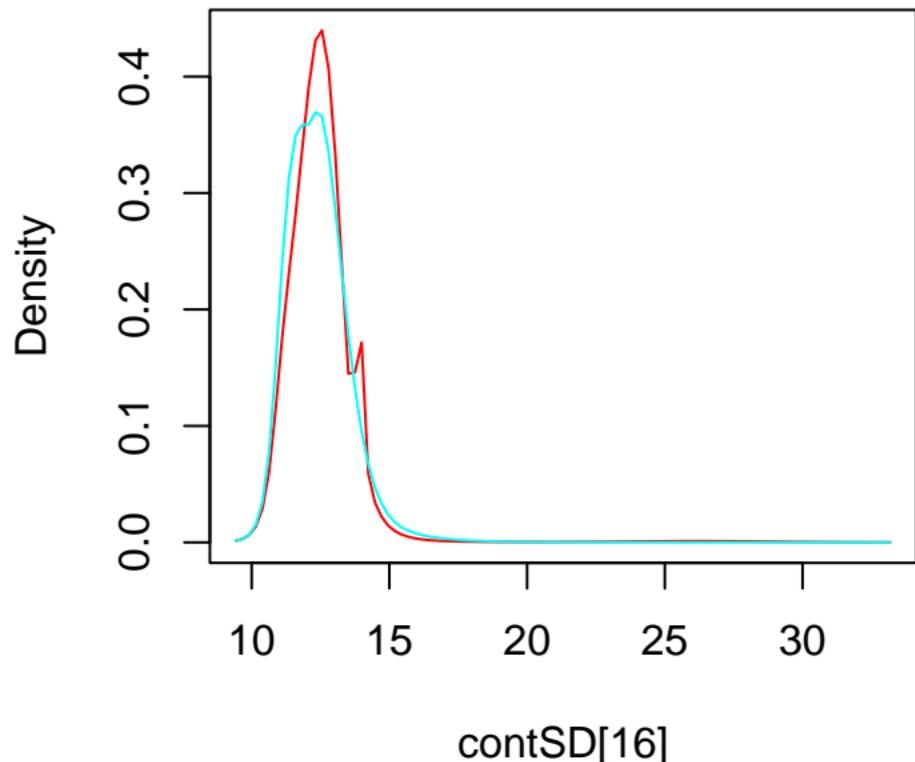
### Density for contSD[15]



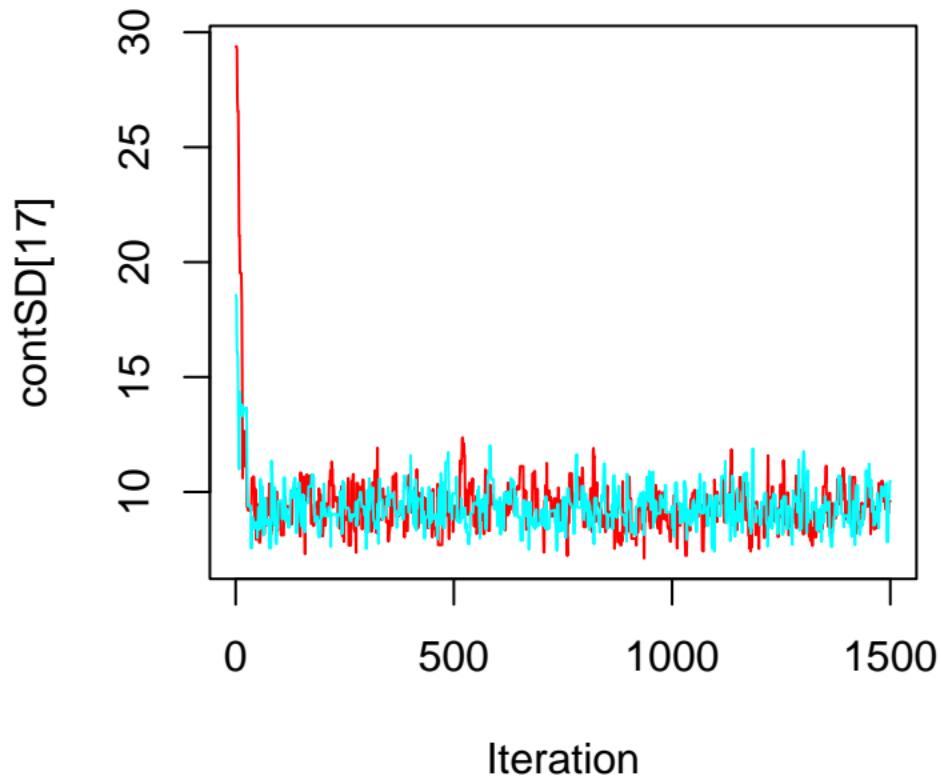
### Chain for contSD[16]



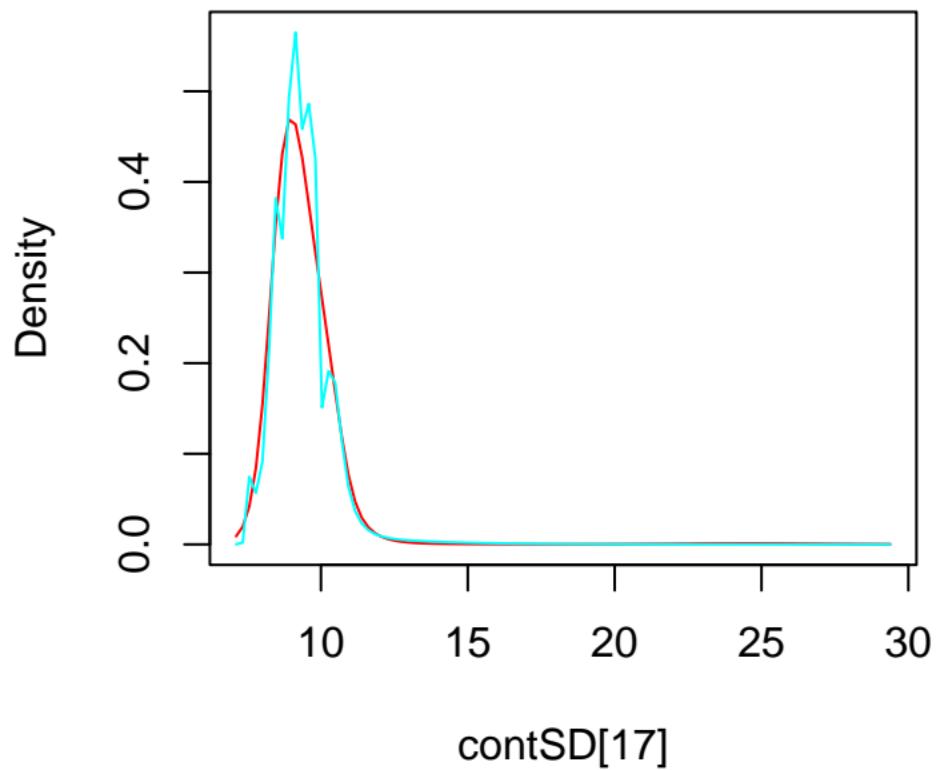
### Density for contSD[16]



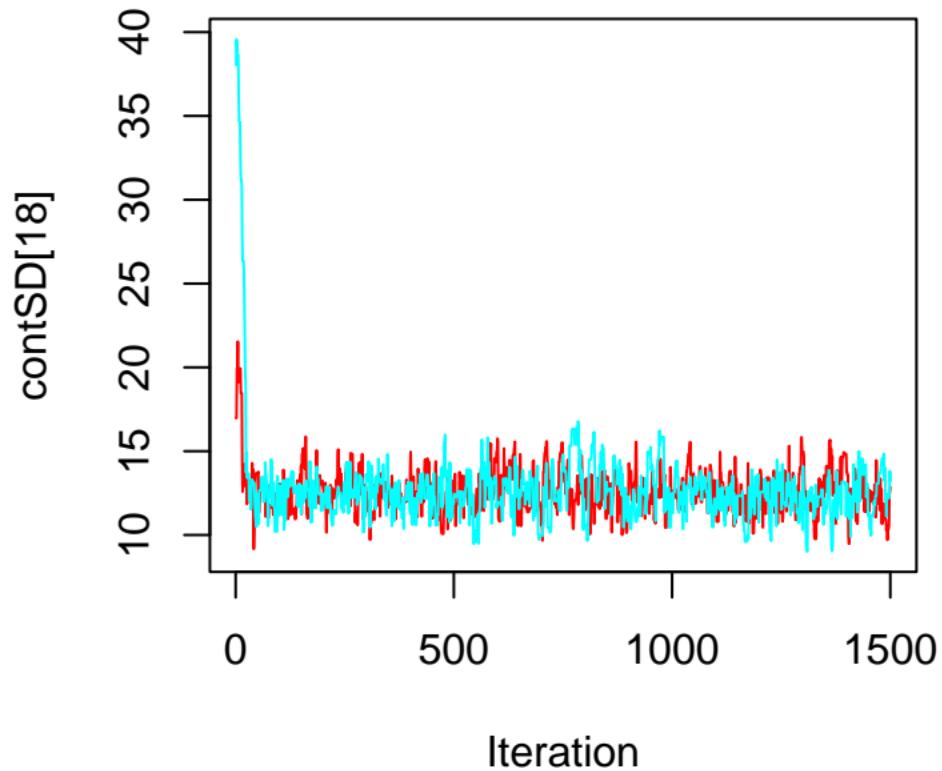
**Chain for contSD[17]**



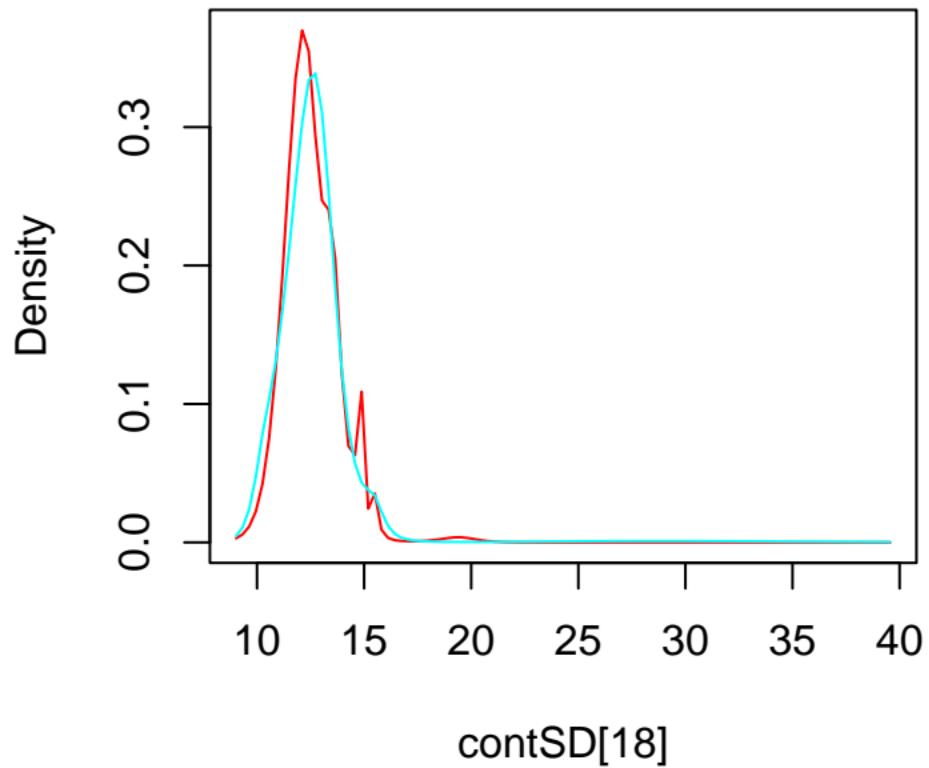
**Density for contSD[17]**



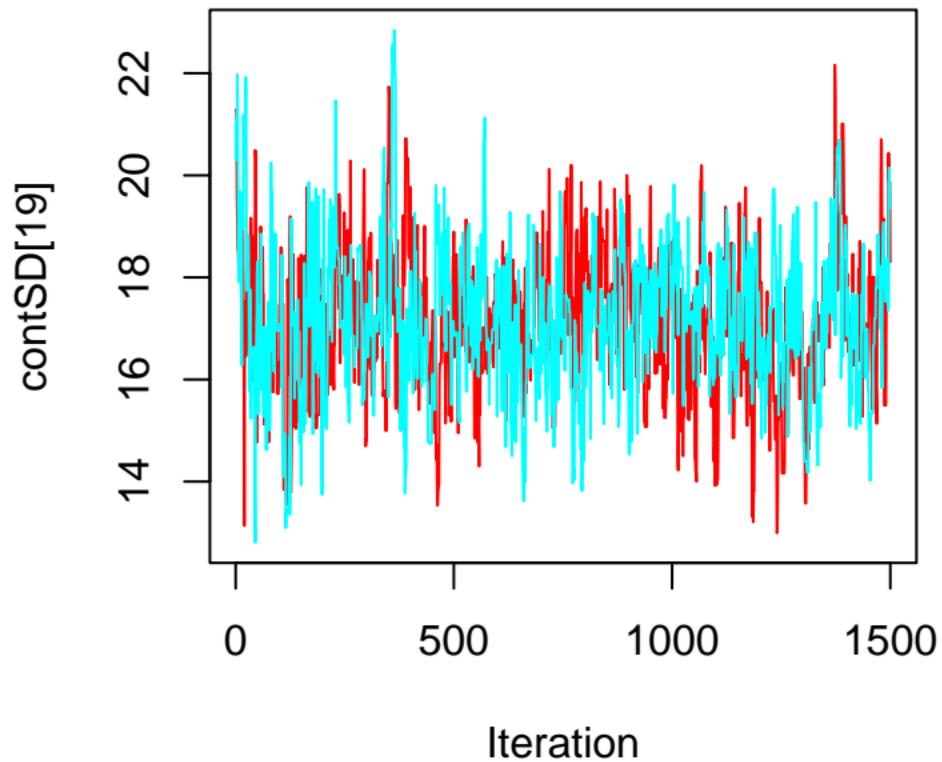
**Chain for contSD[18]**



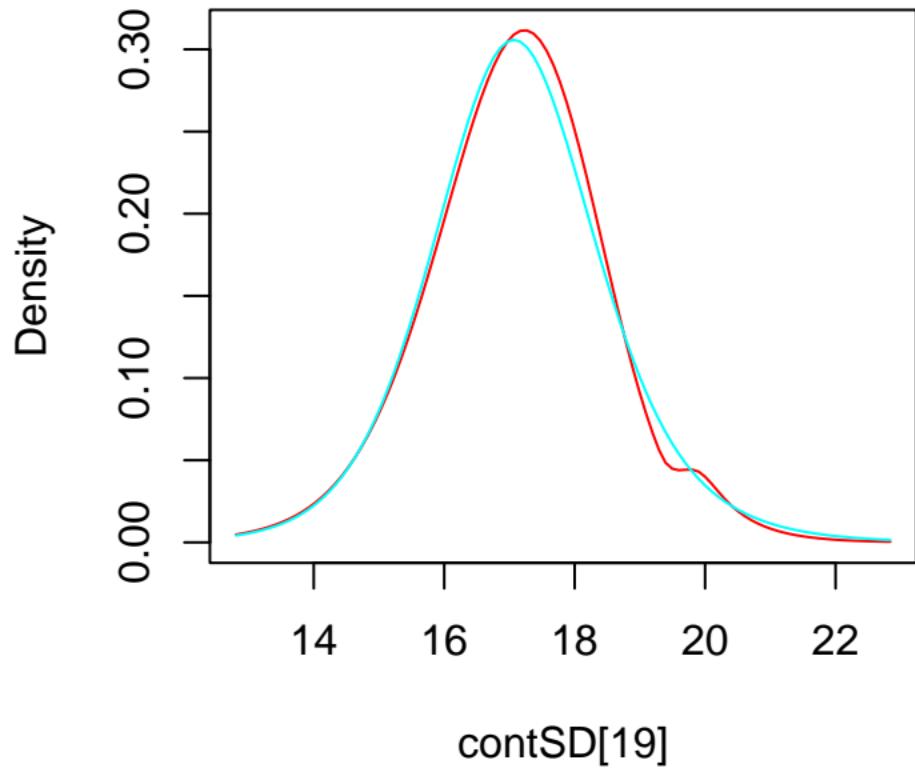
**Density for contSD[18]**



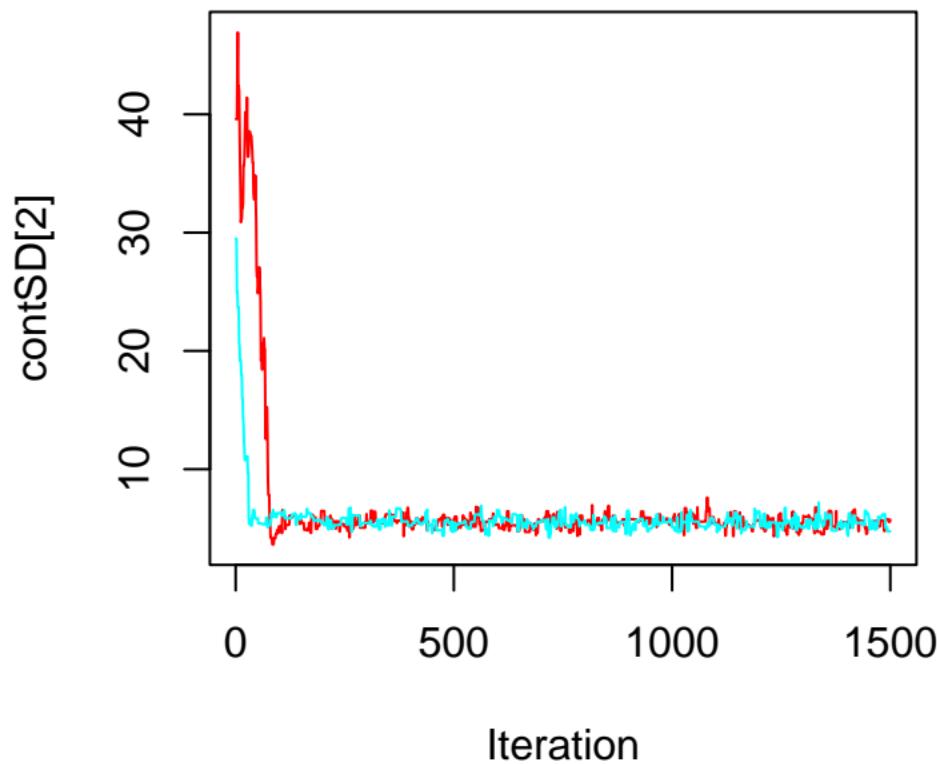
### Chain for contSD[19]



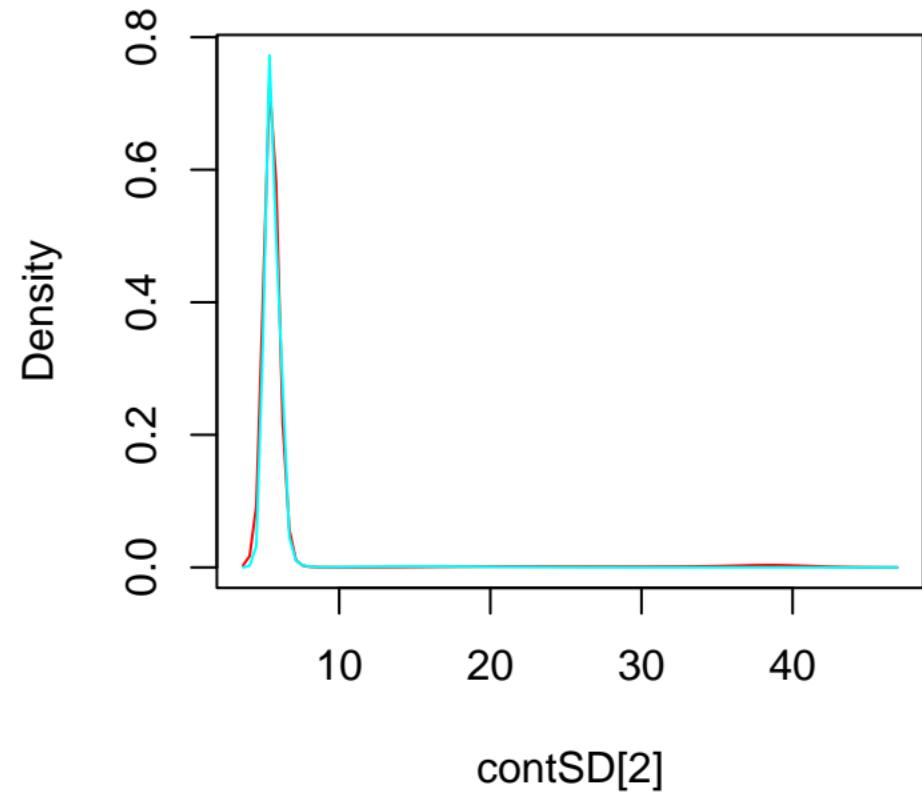
### Density for contSD[19]



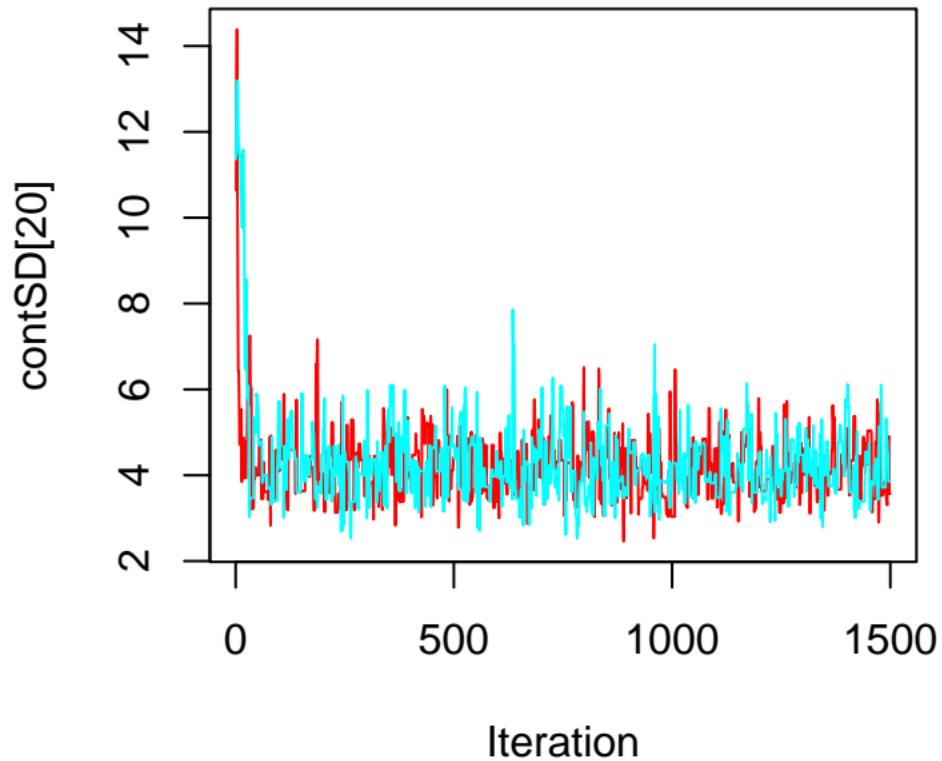
### Chain for contSD[2]



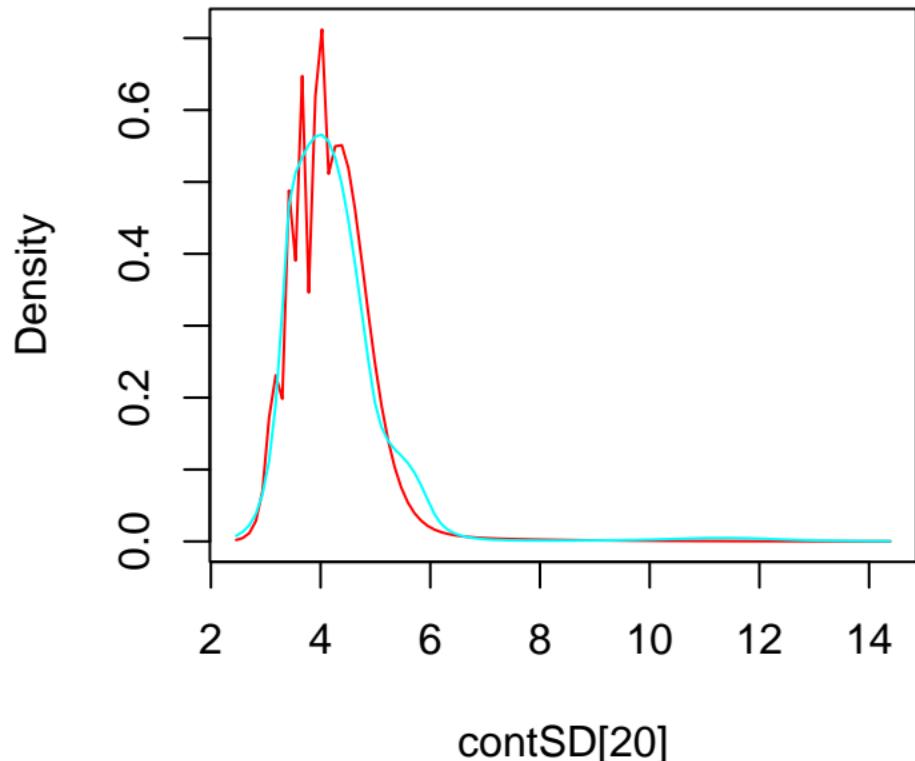
### Density for contSD[2]



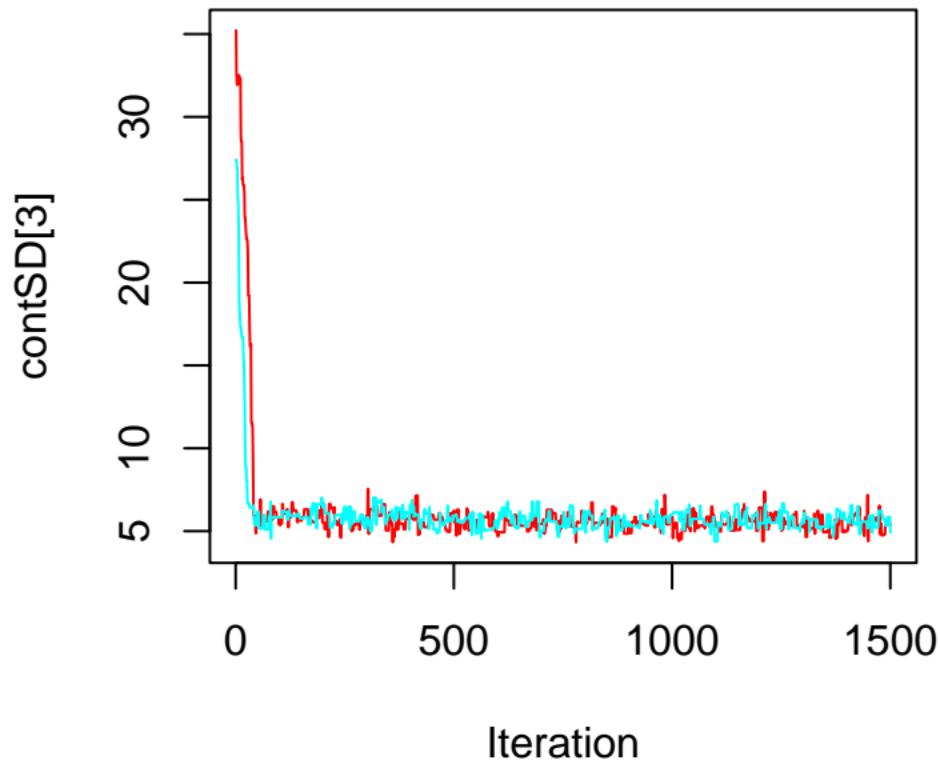
### Chain for contSD[20]



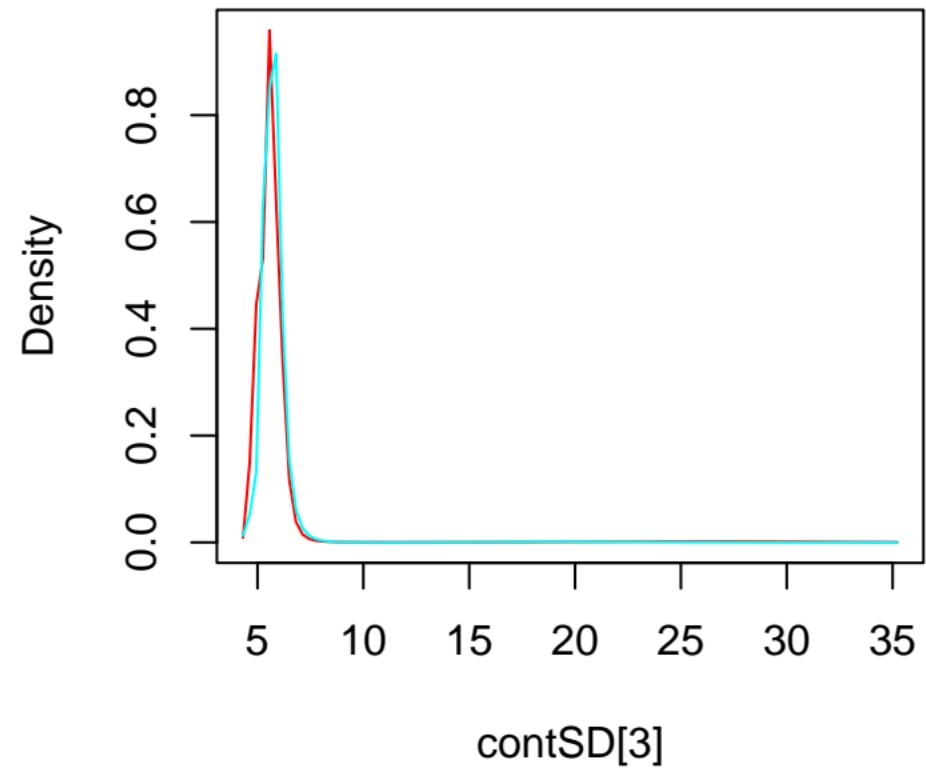
### Density for contSD[20]



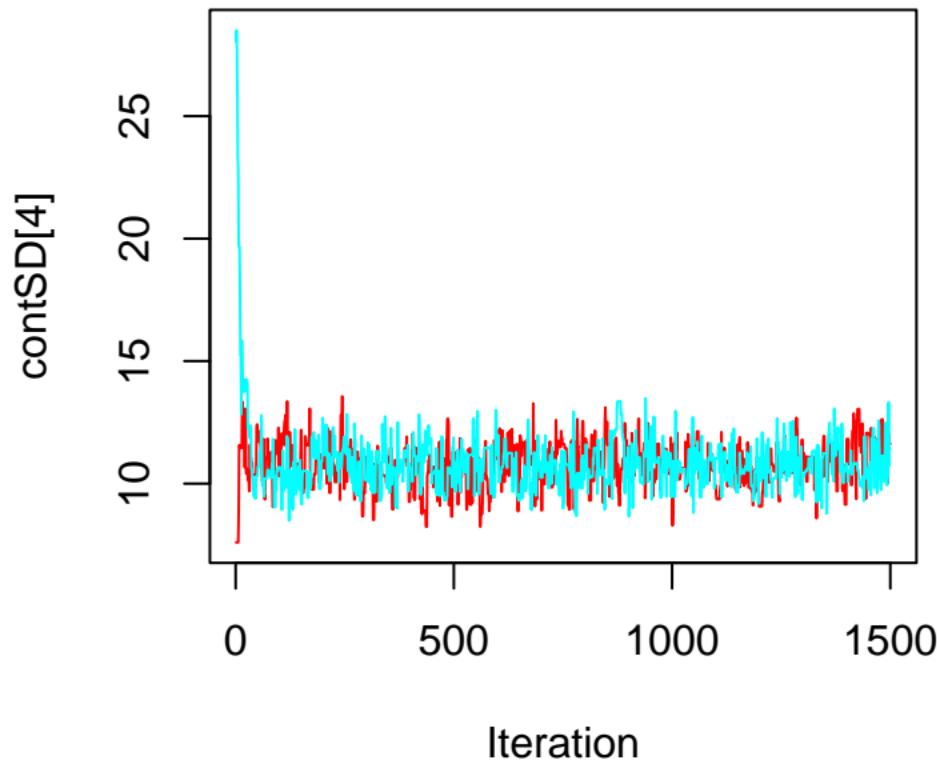
### Chain for contSD[3]



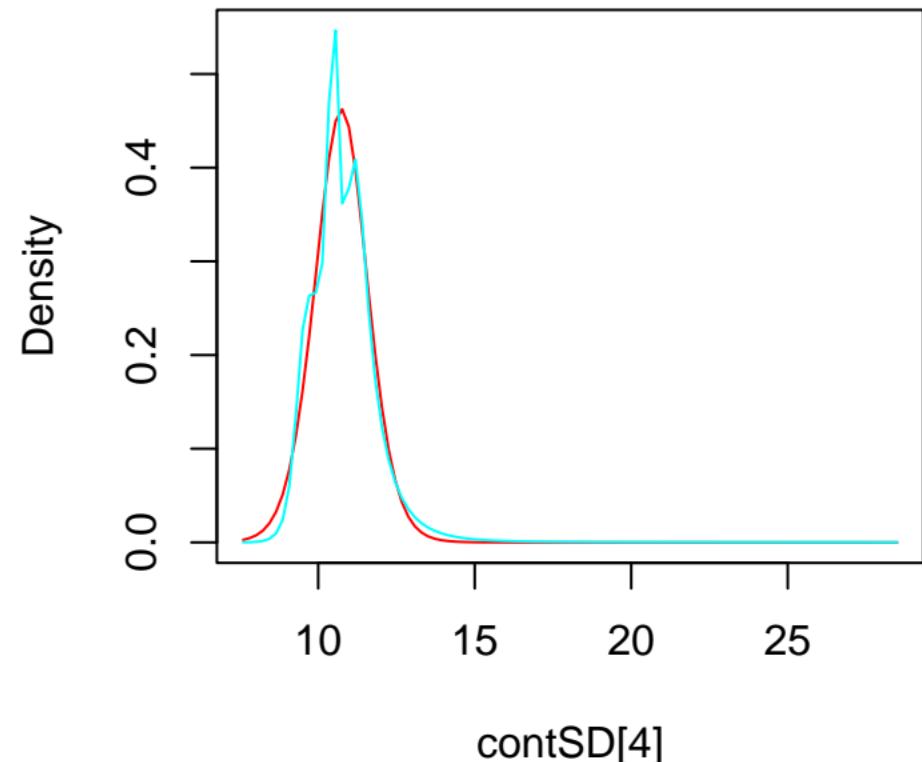
### Density for contSD[3]



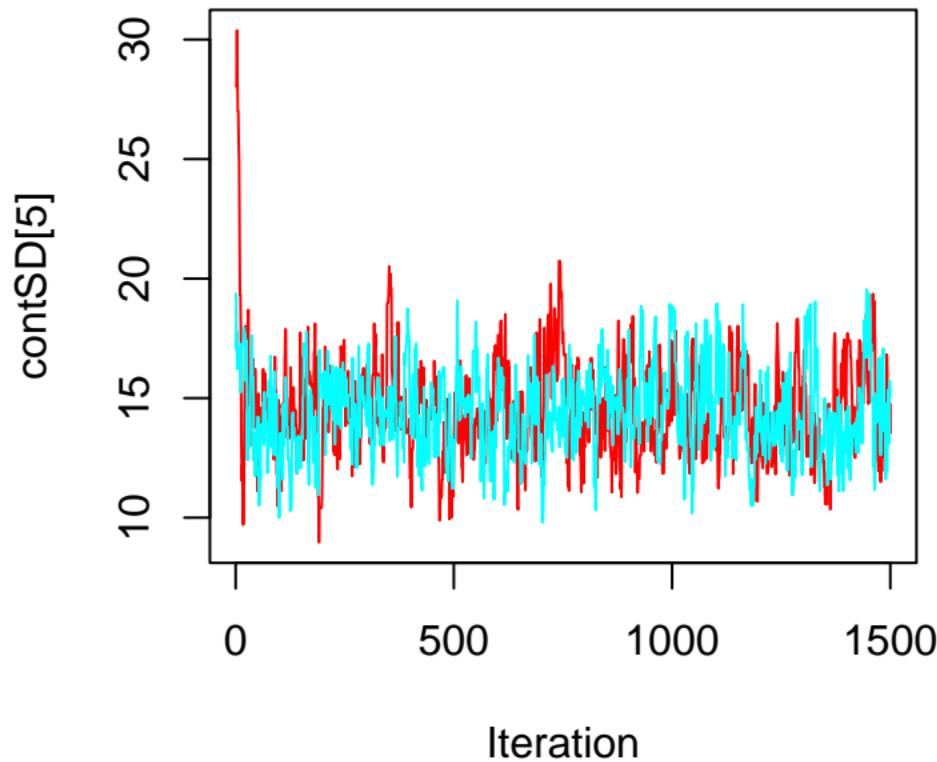
### Chain for contSD[4]



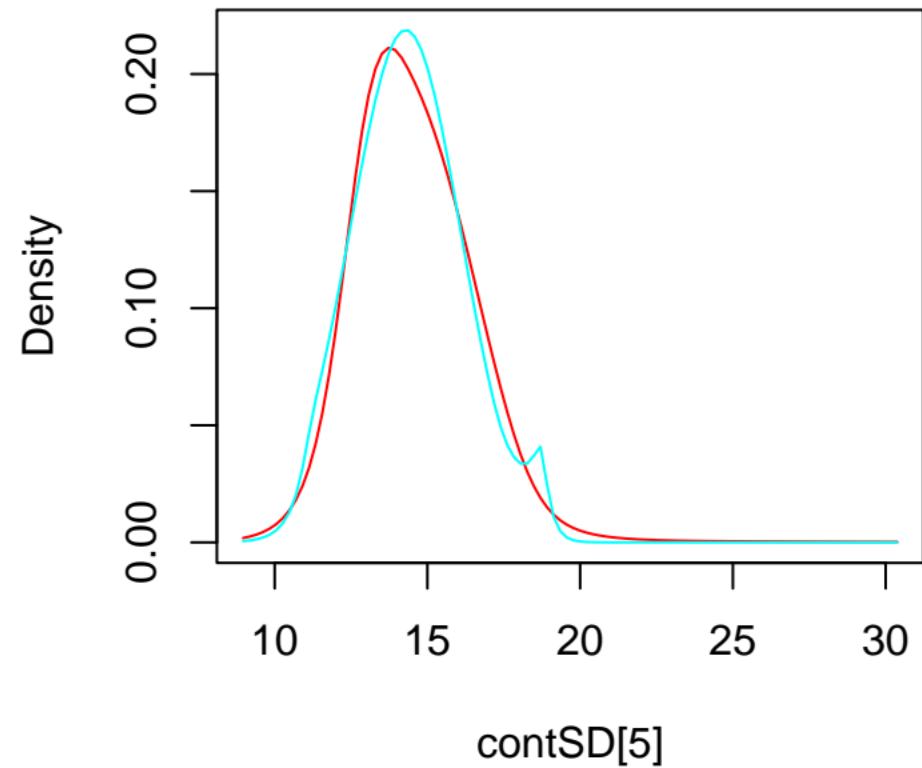
### Density for contSD[4]



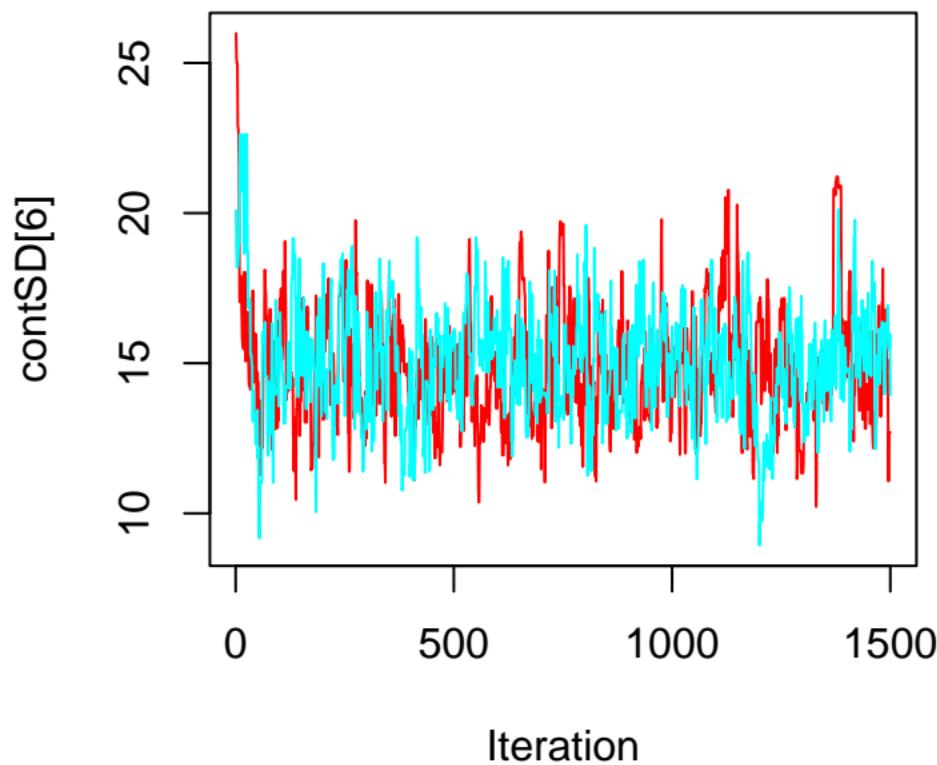
### Chain for contSD[5]



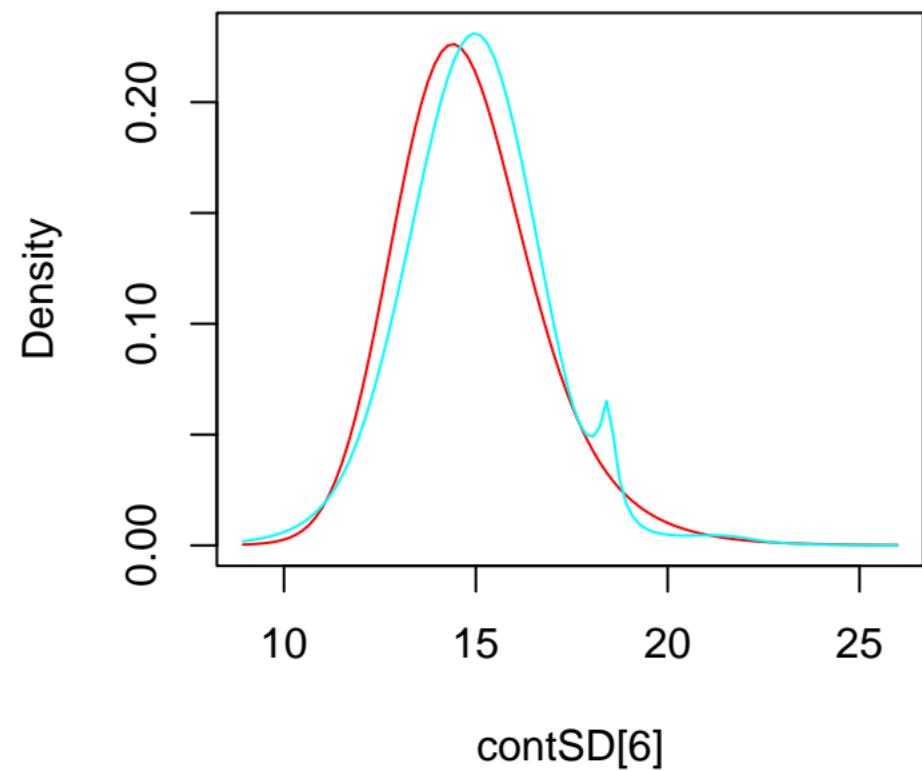
### Density for contSD[5]



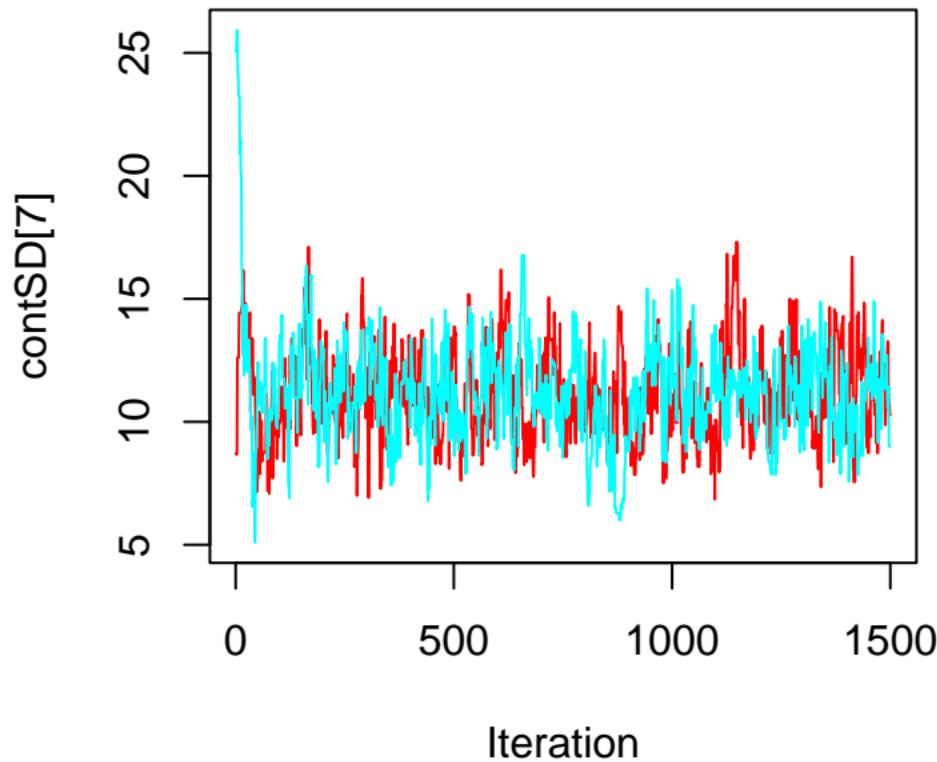
### Chain for contSD[6]



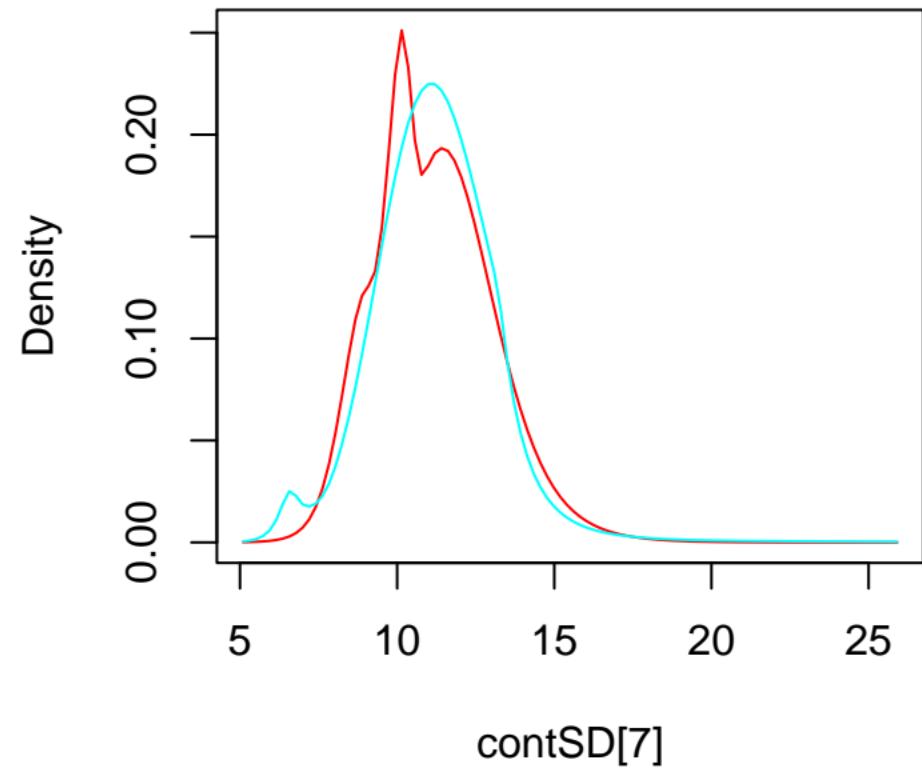
### Density for contSD[6]



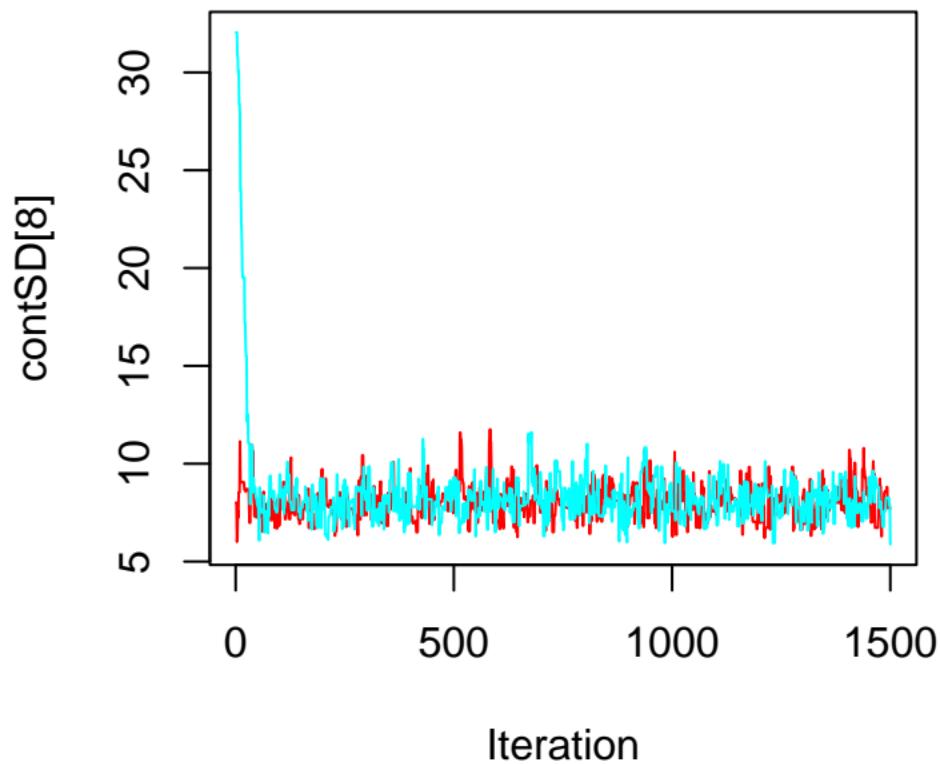
### Chain for contSD[7]



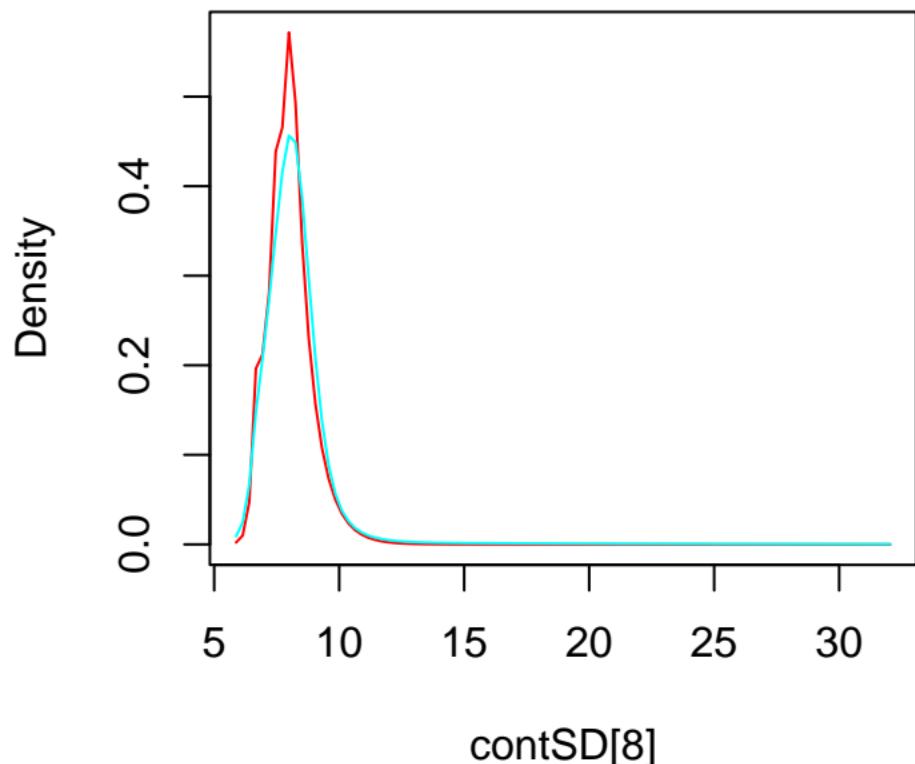
### Density for contSD[7]



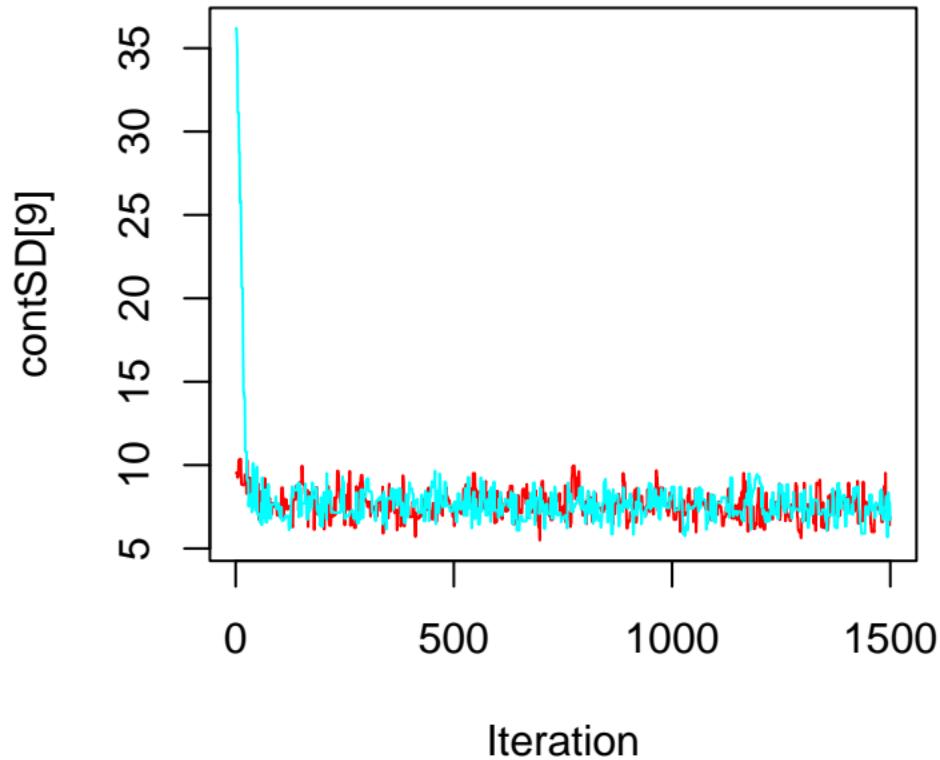
### Chain for contSD[8]



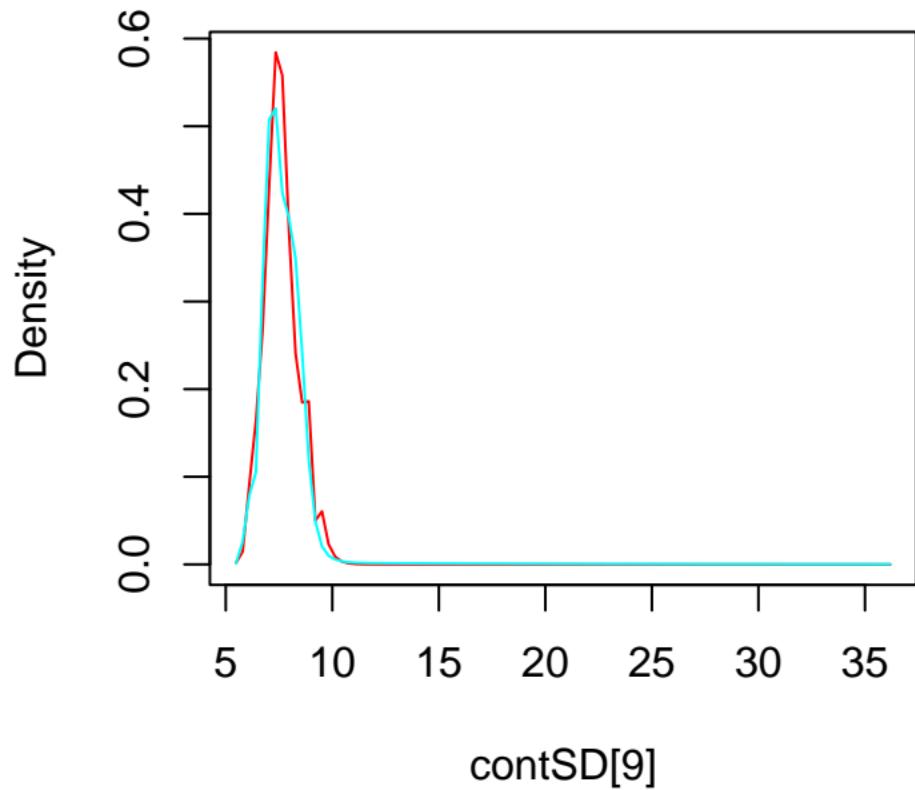
### Density for contSD[8]



### Chain for contSD[9]

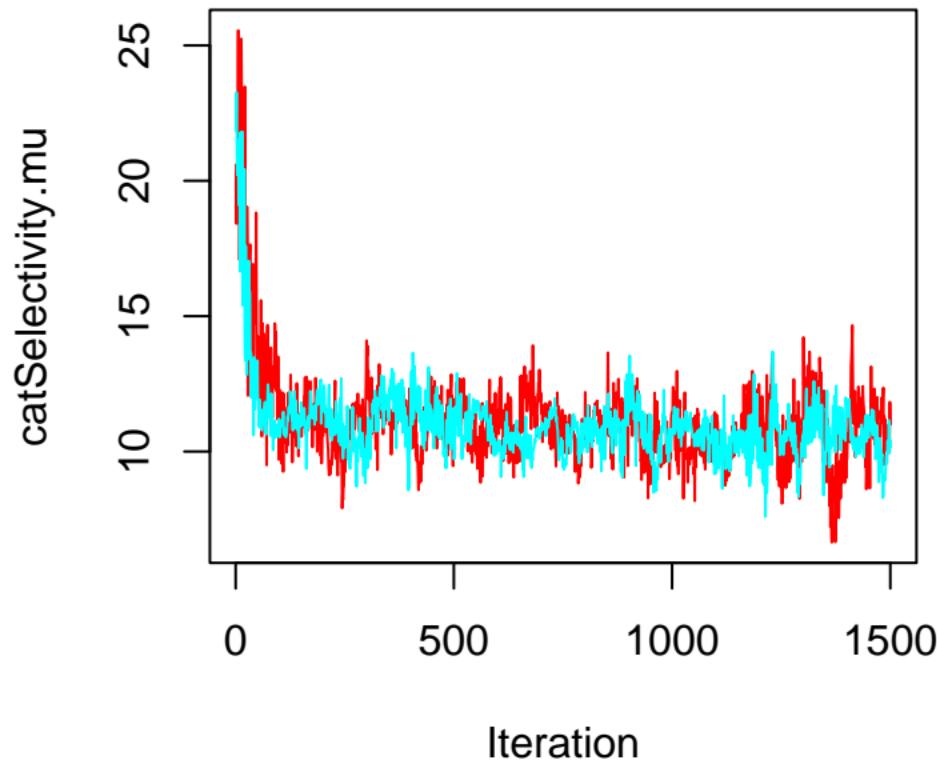


### Density for contSD[9]

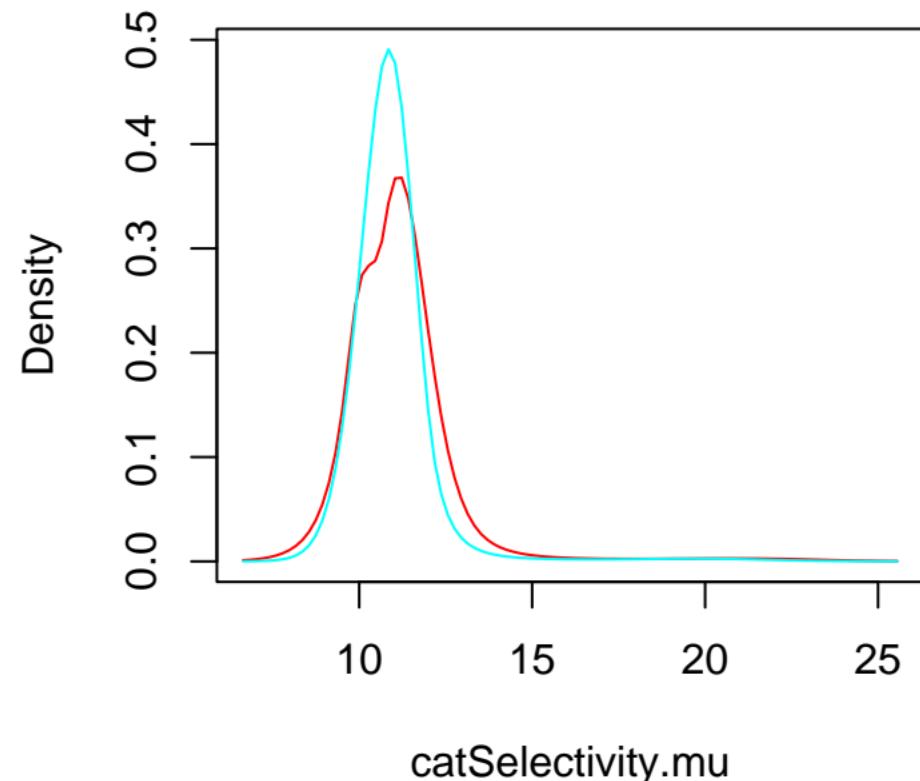


# catSelectivity

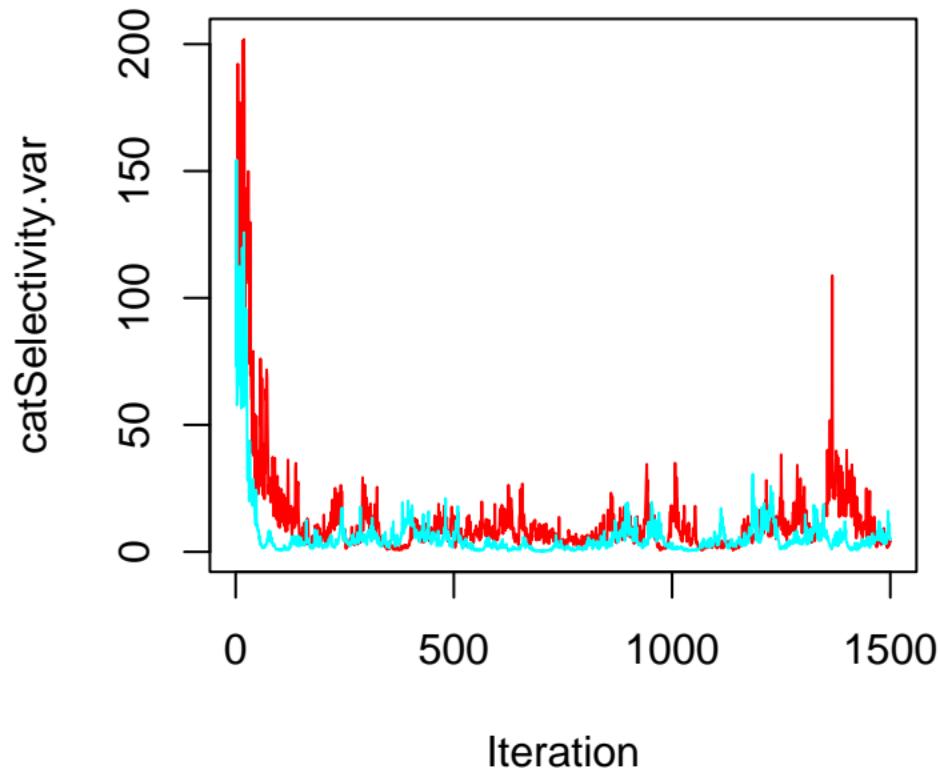
### Chain for catSelectivity.mu



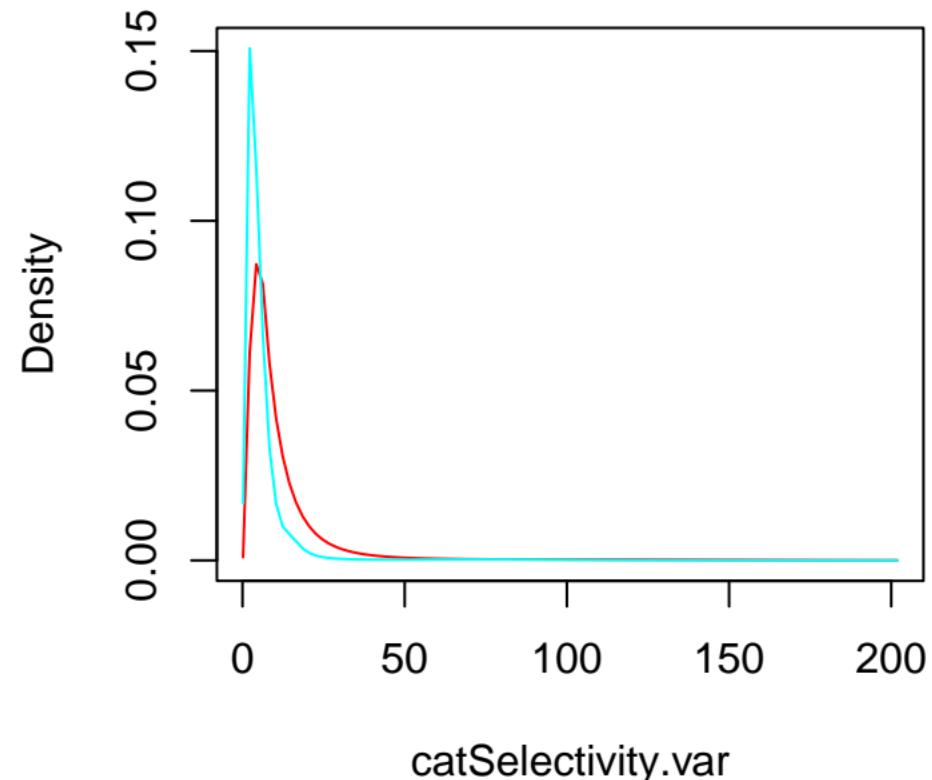
### Density for catSelectivity.mu



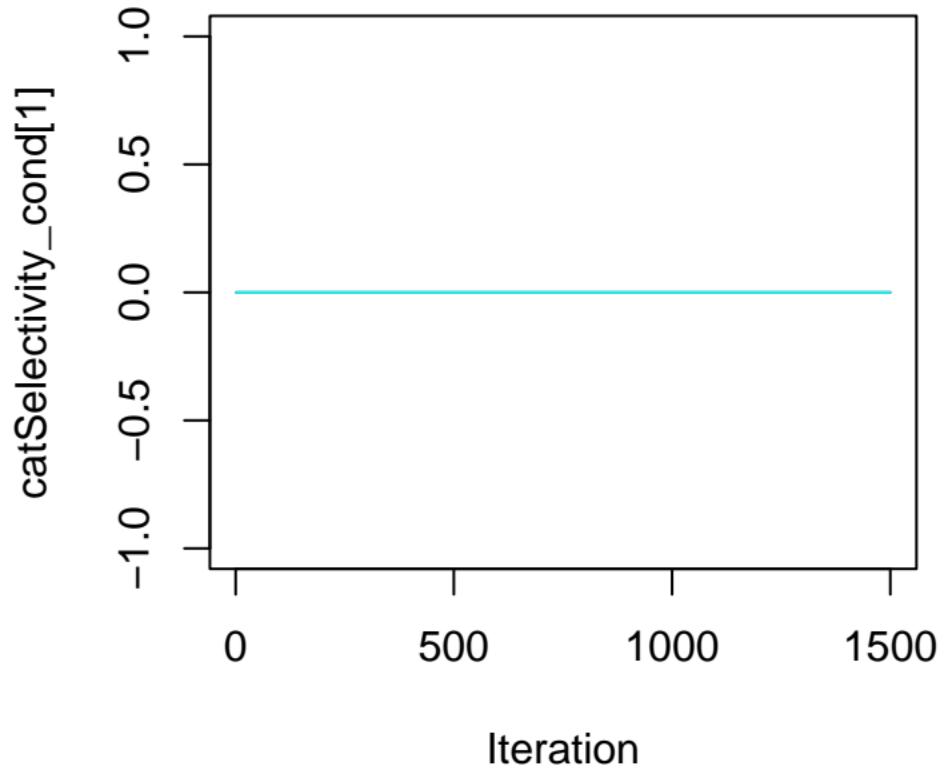
### Chain for catSelectivity.var



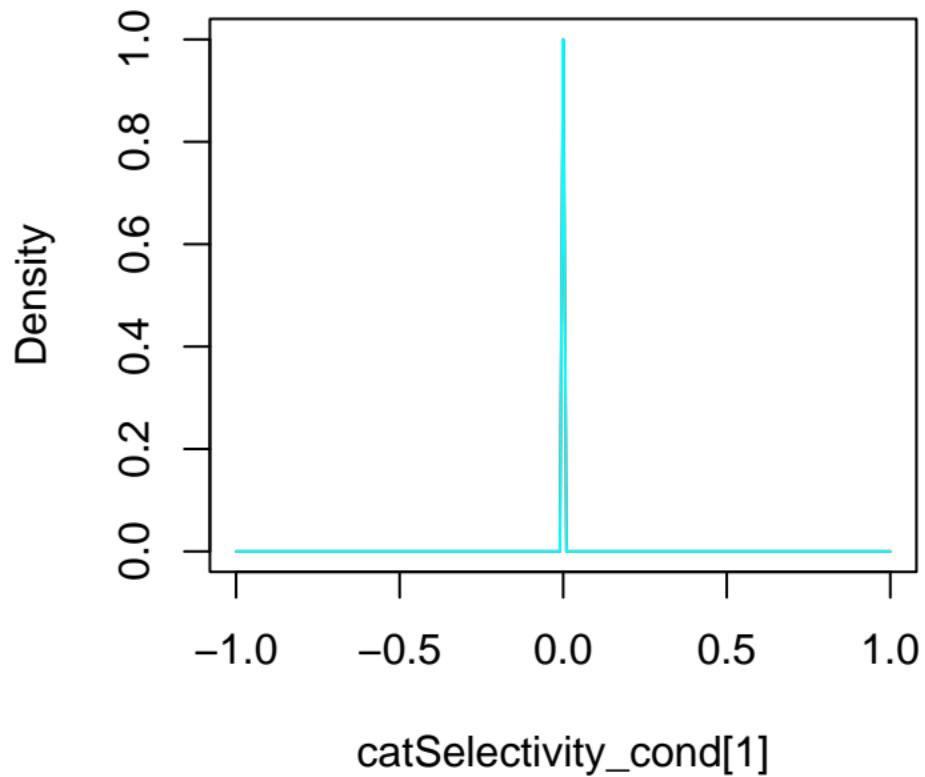
### Density for catSelectivity.var



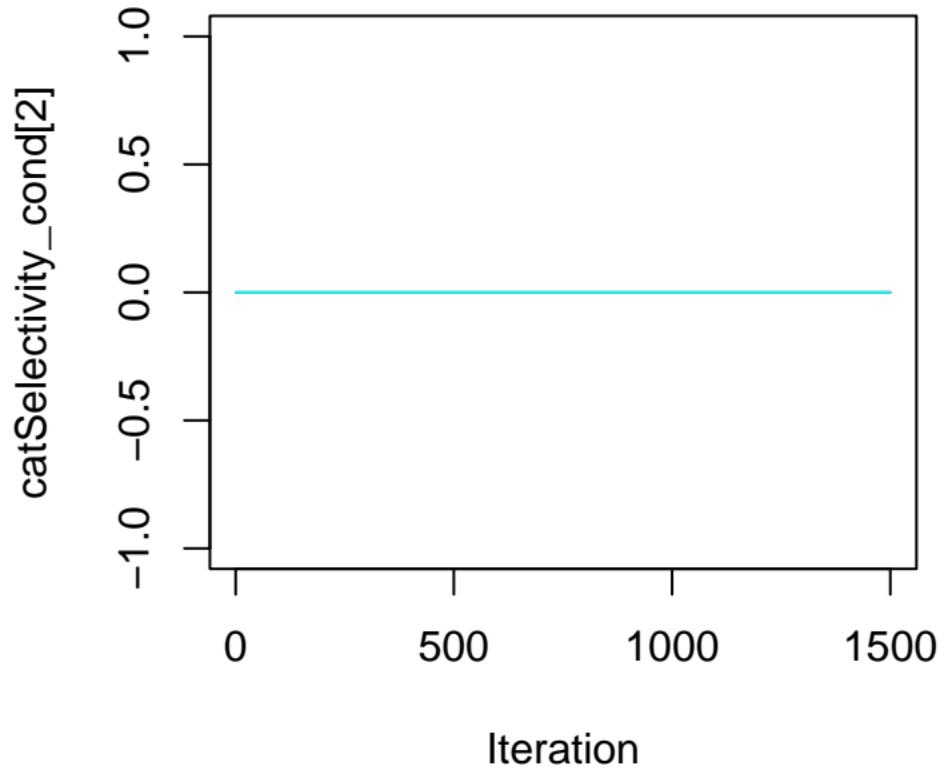
**Chain for catSelectivity\_cond[1]**



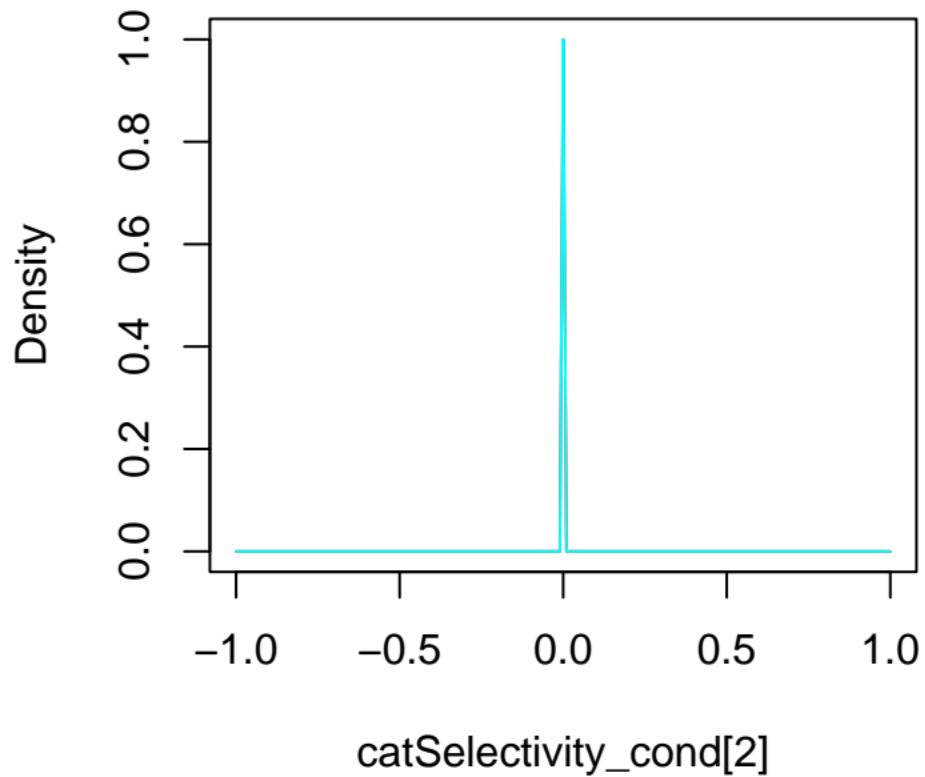
**Density for catSelectivity\_cond[1]**



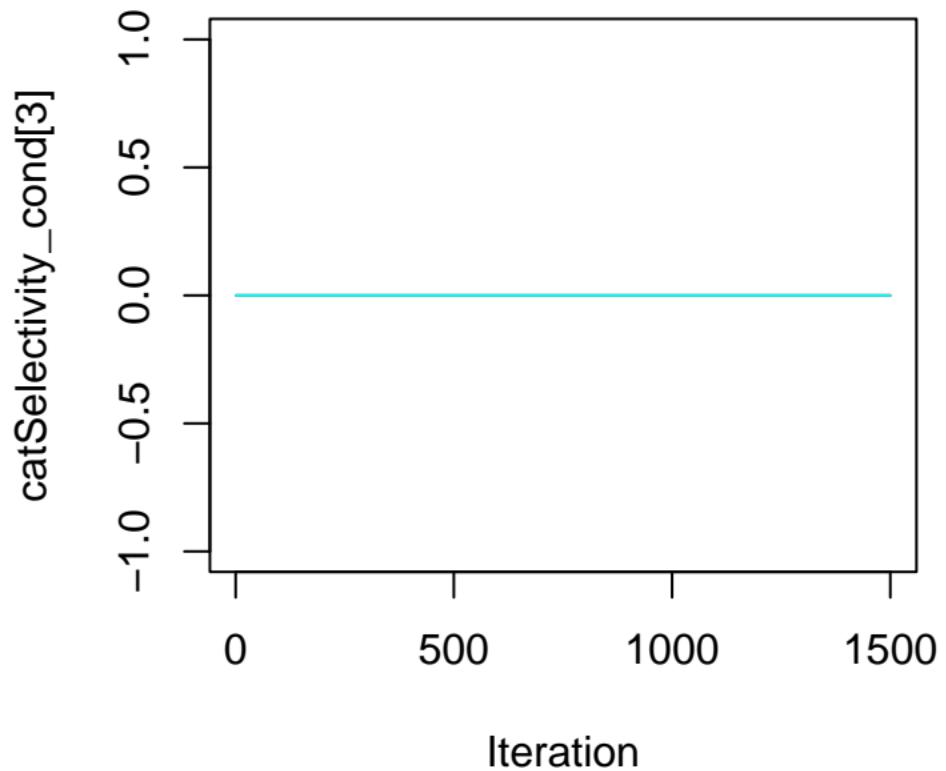
**Chain for catSelectivity\_cond[2]**



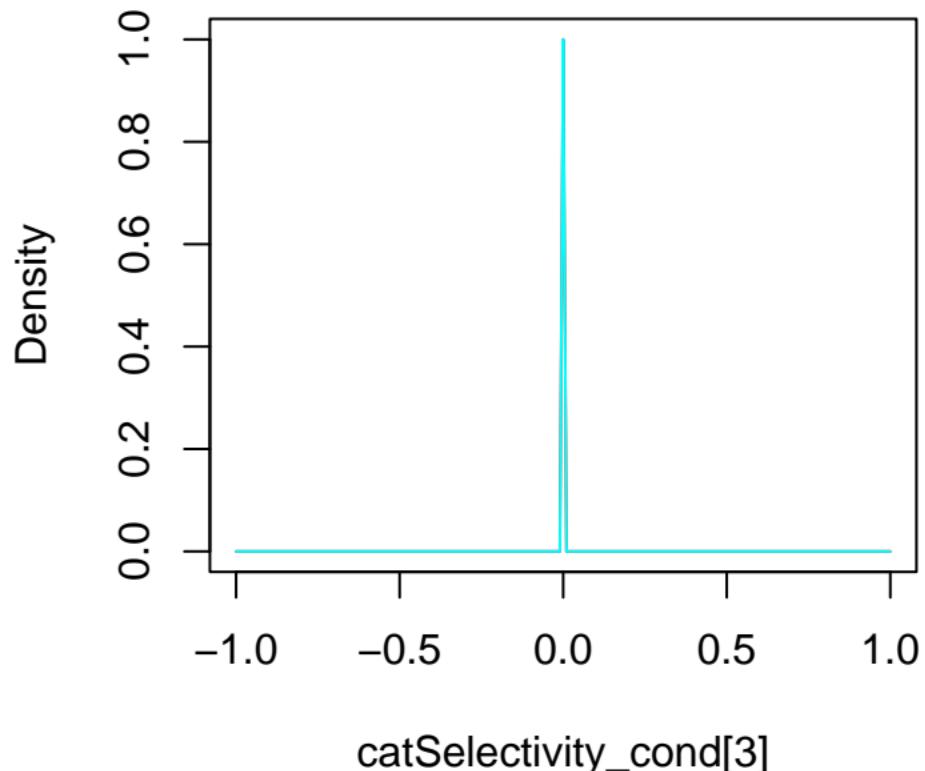
**Density for catSelectivity\_cond[2]**



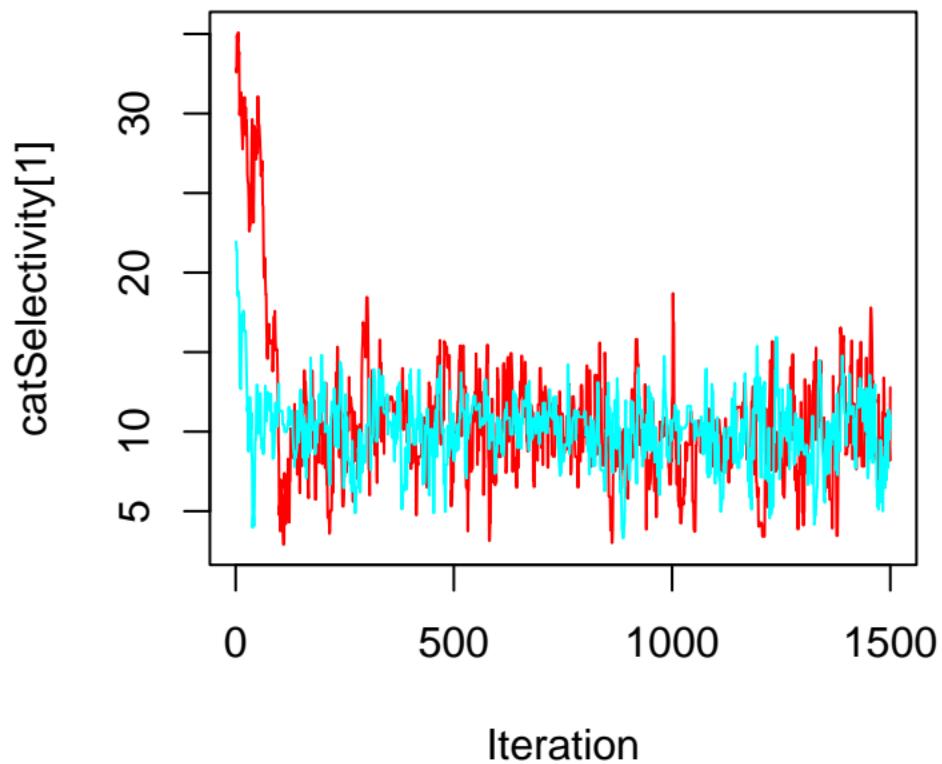
**Chain for catSelectivity\_cond[3]**



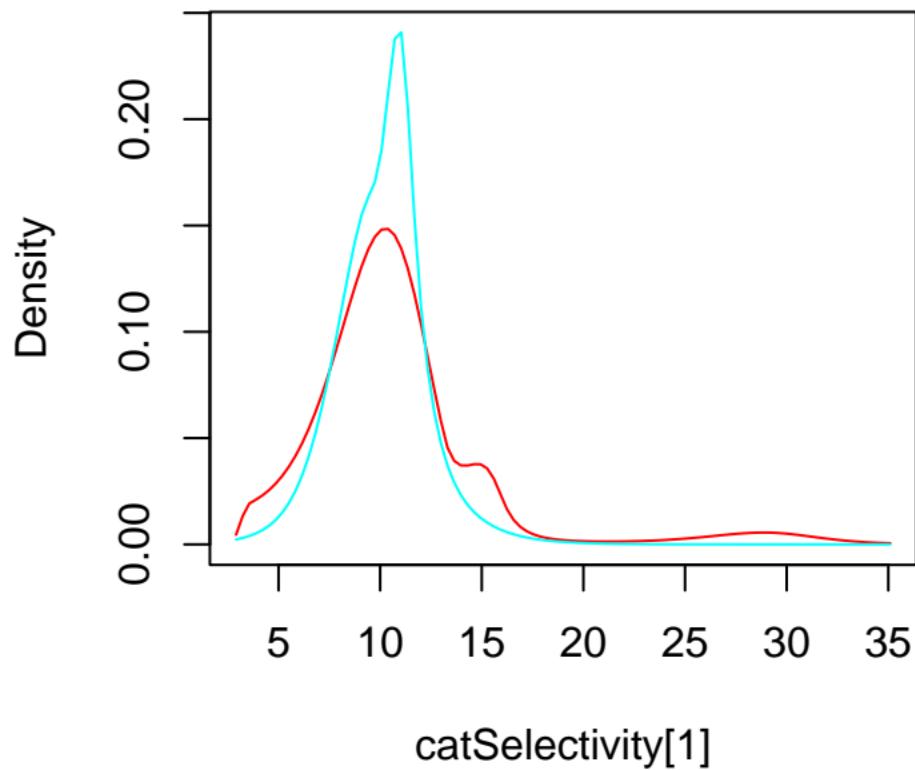
**Density for catSelectivity\_cond[3]**



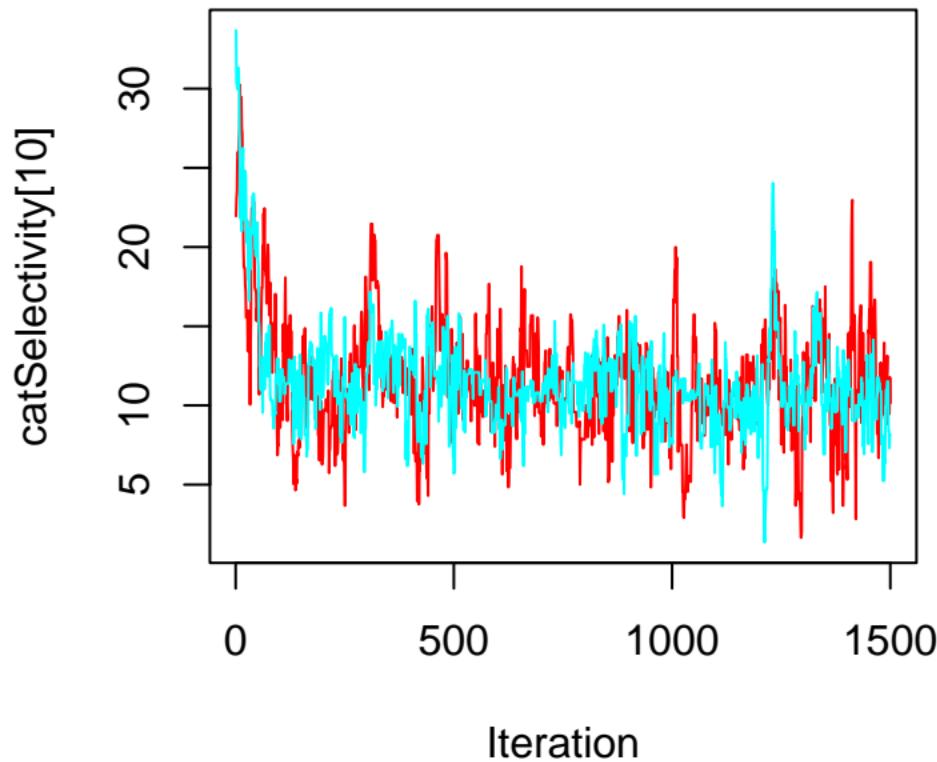
### Chain for catSelectivity[1]



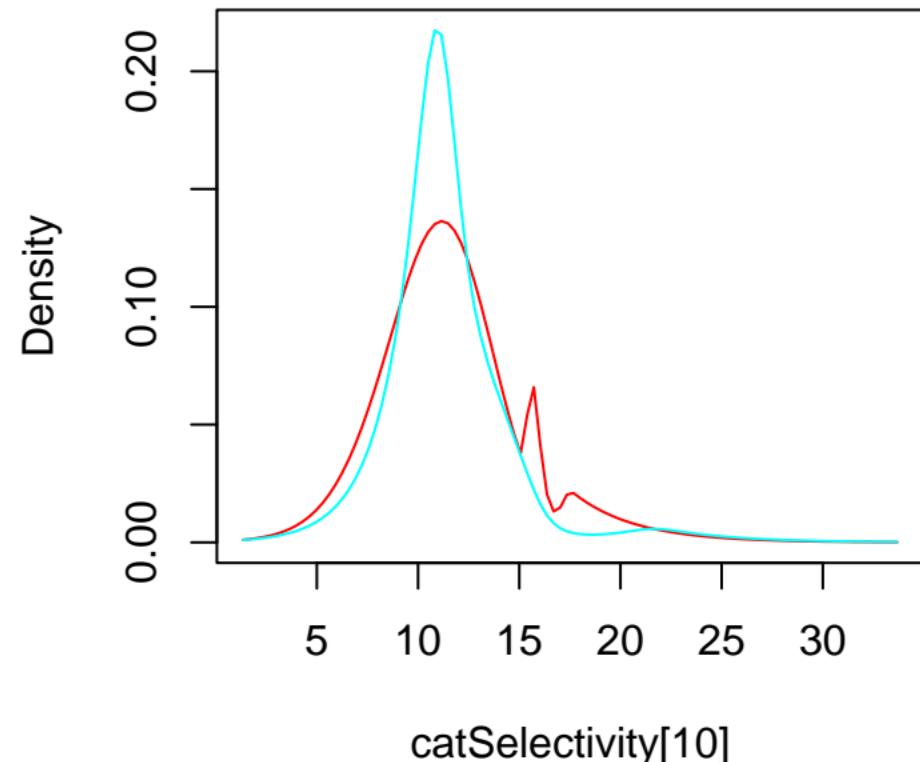
### Density for catSelectivity[1]



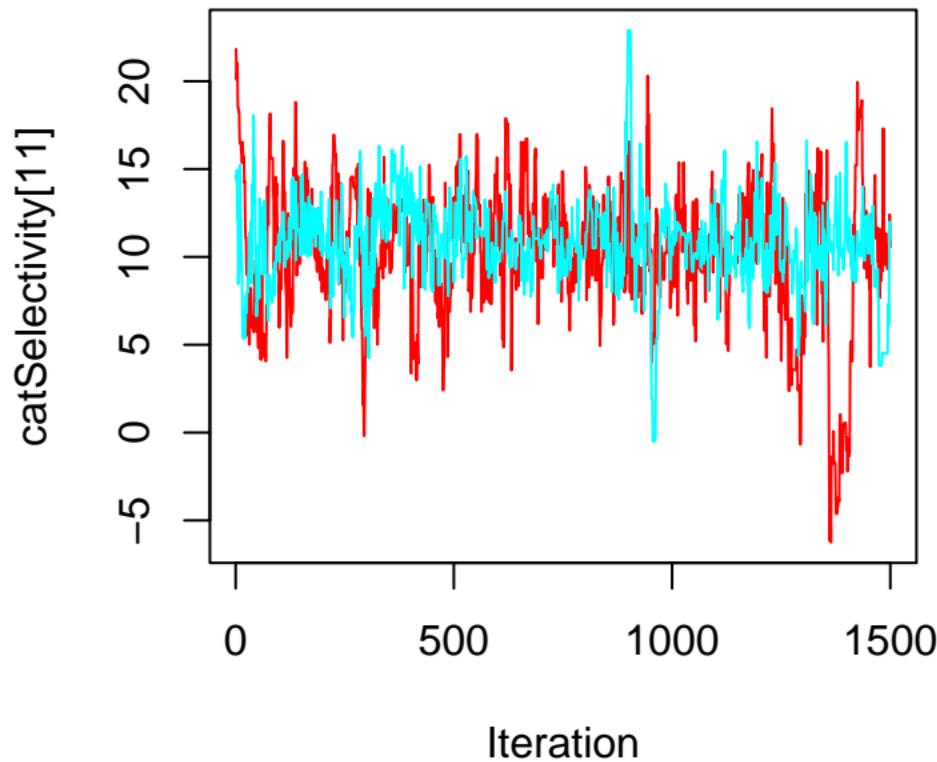
### Chain for catSelectivity[10]



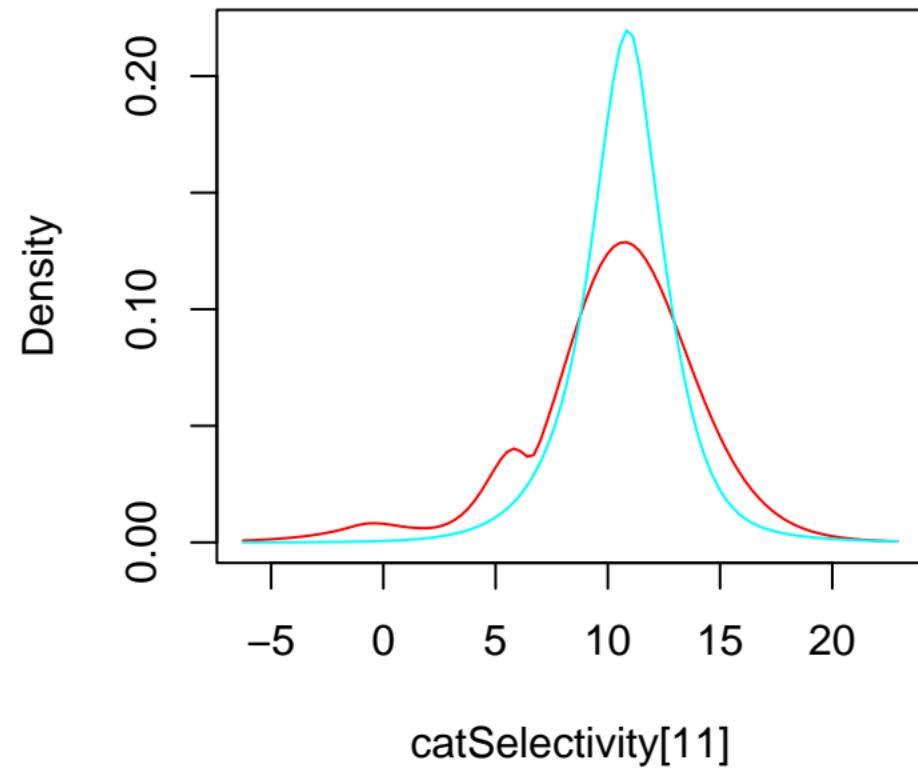
### Density for catSelectivity[10]



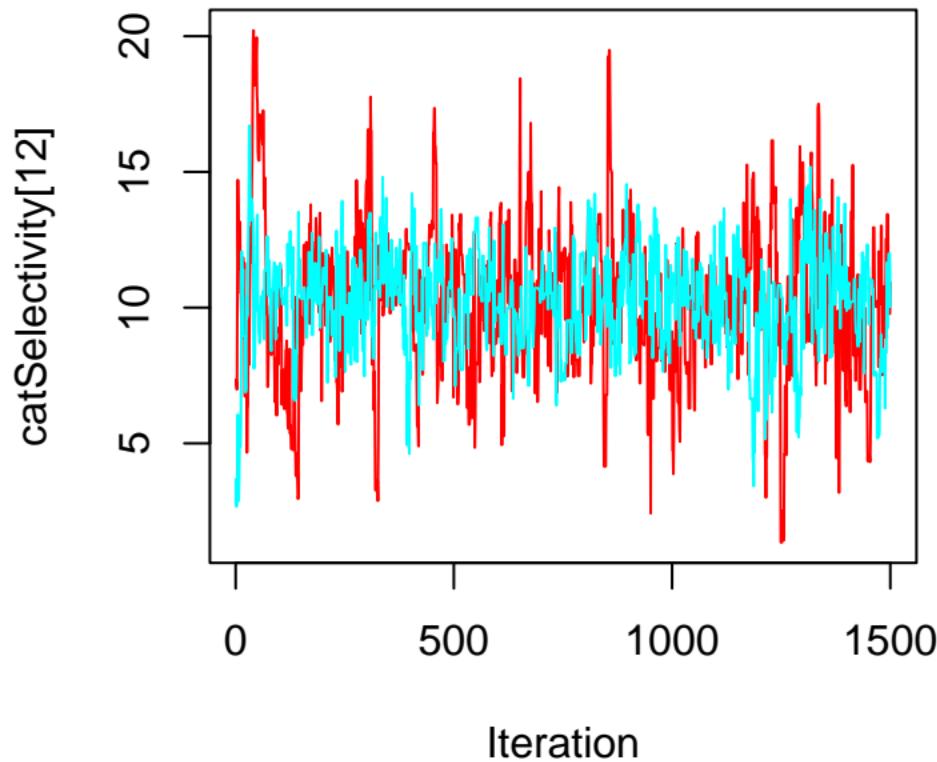
### Chain for catSelectivity[11]



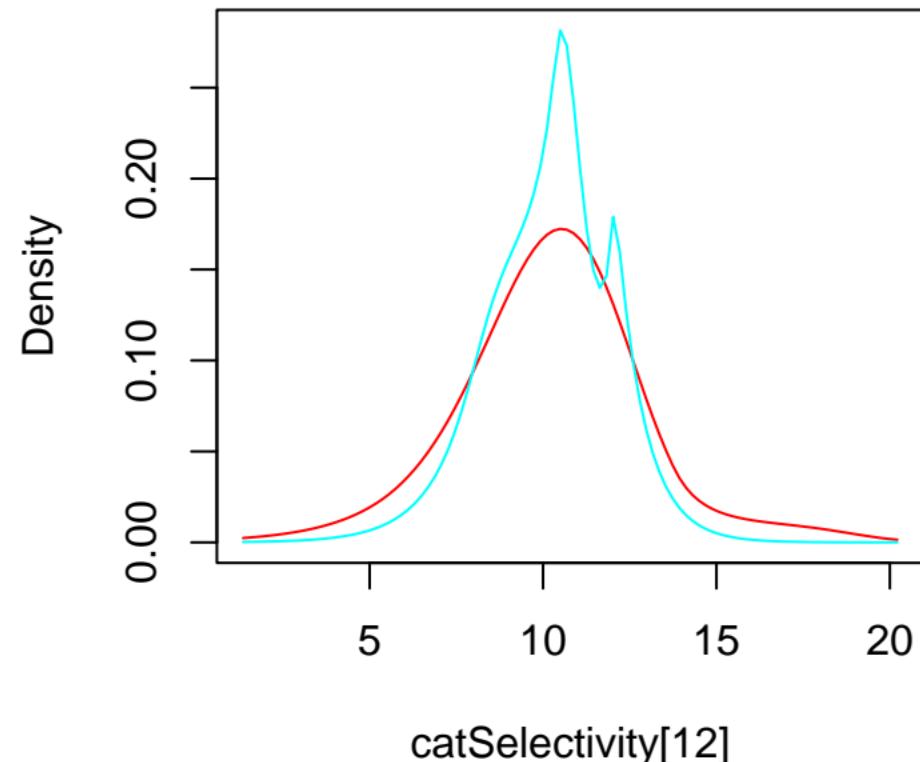
### Density for catSelectivity[11]



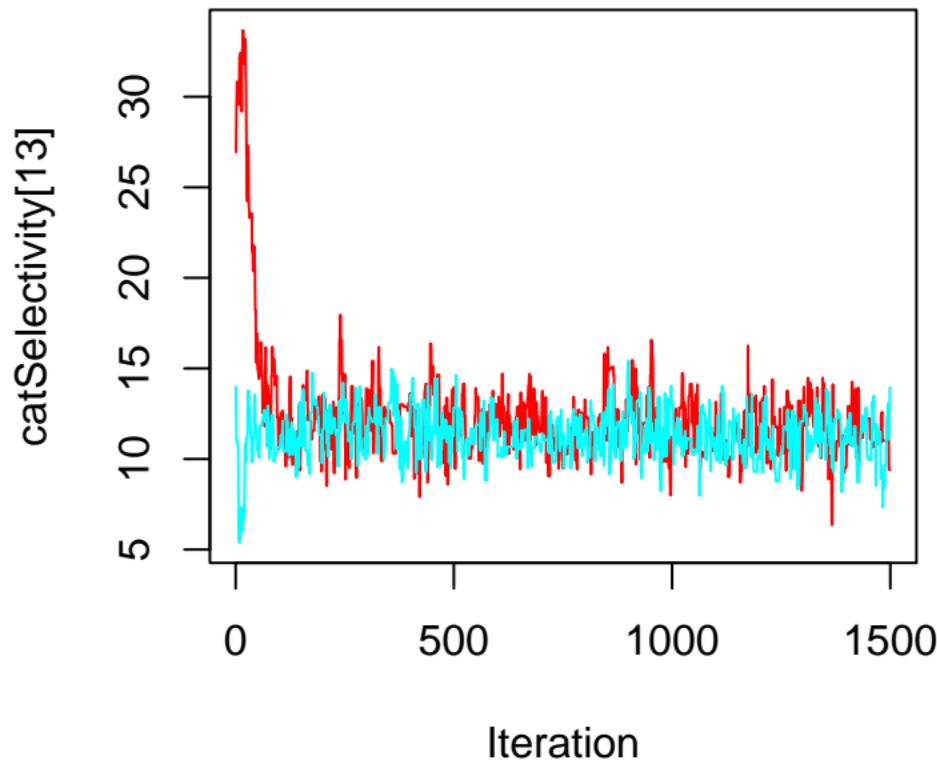
### Chain for catSelectivity[12]



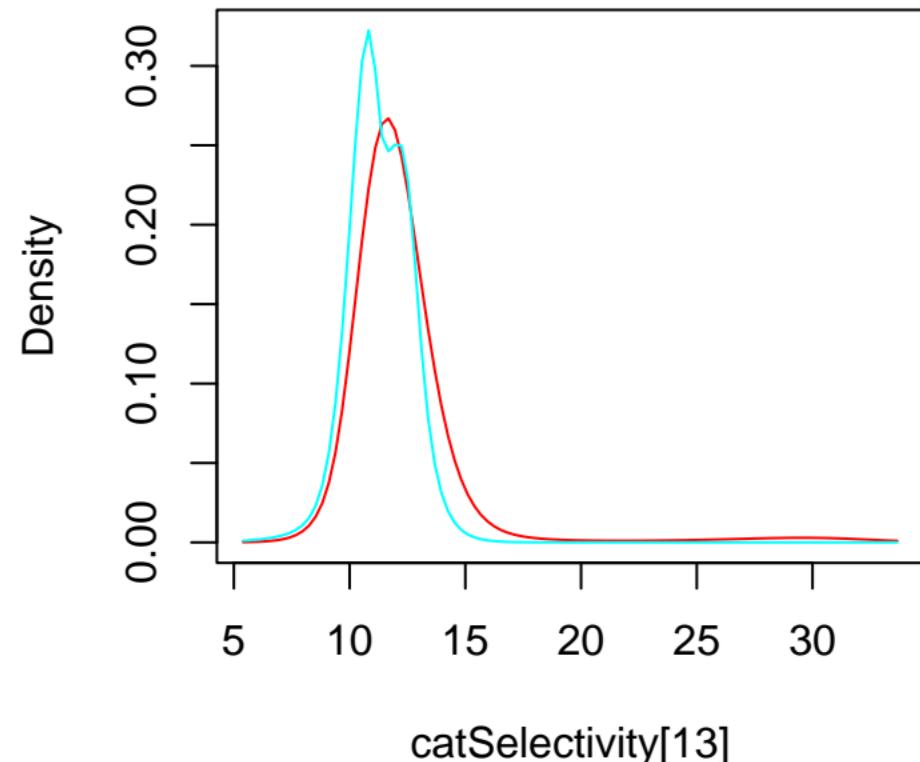
### Density for catSelectivity[12]



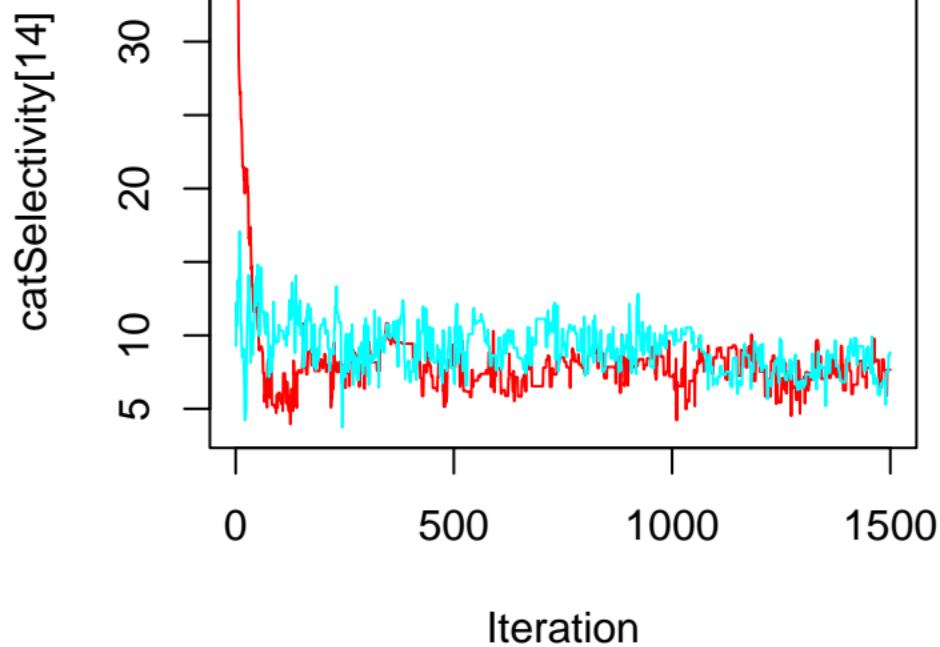
### Chain for catSelectivity[13]



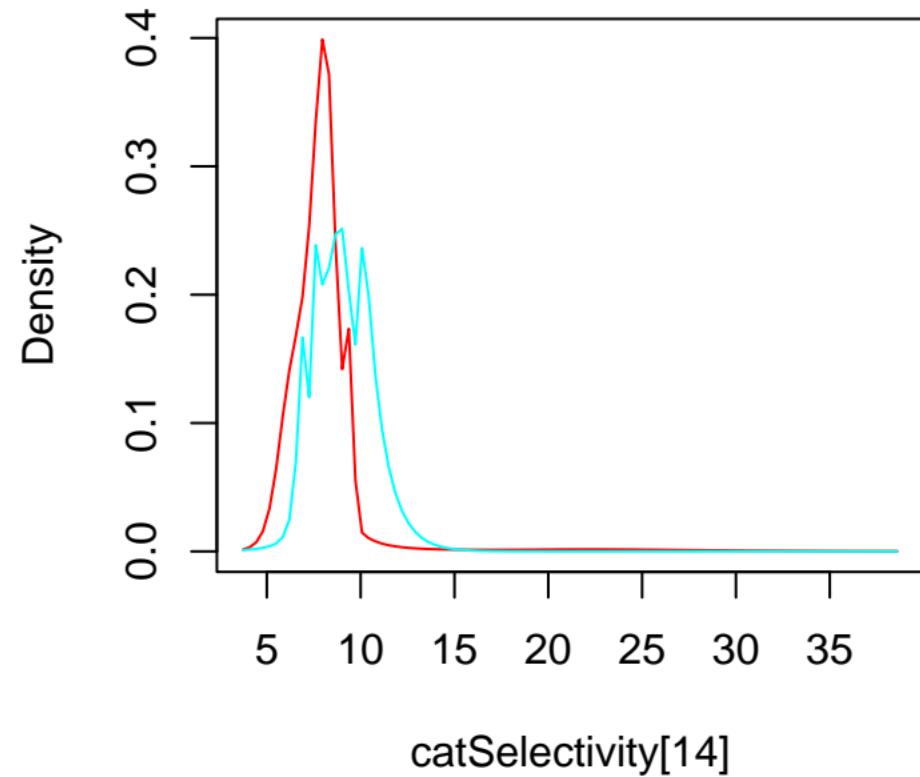
### Density for catSelectivity[13]



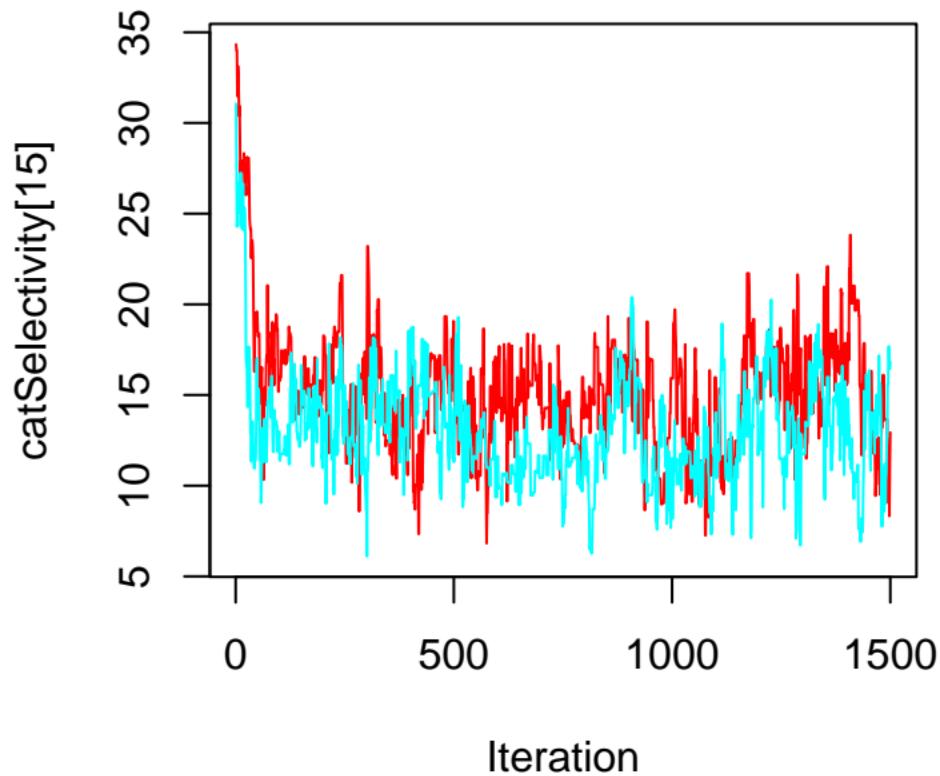
### Chain for catSelectivity[14]



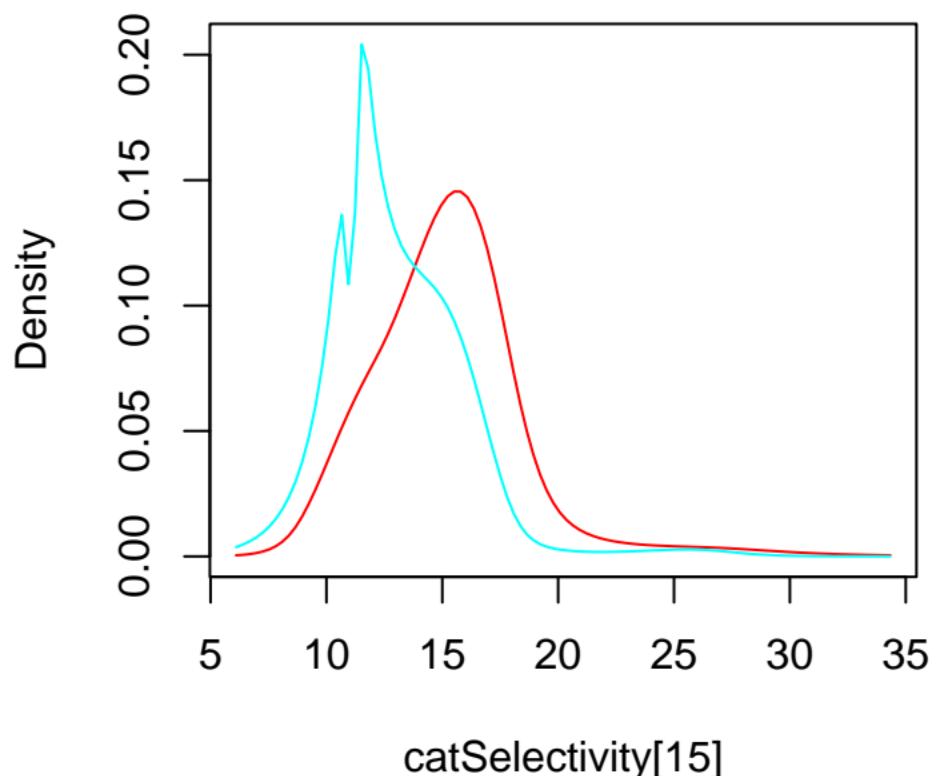
### Density for catSelectivity[14]



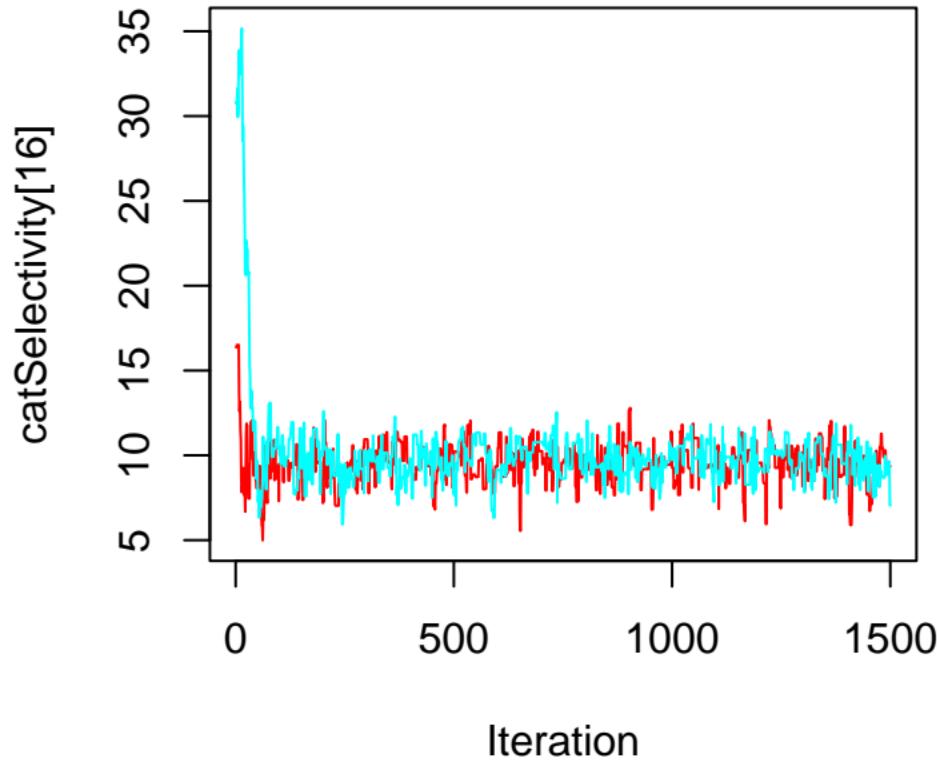
### Chain for catSelectivity[15]



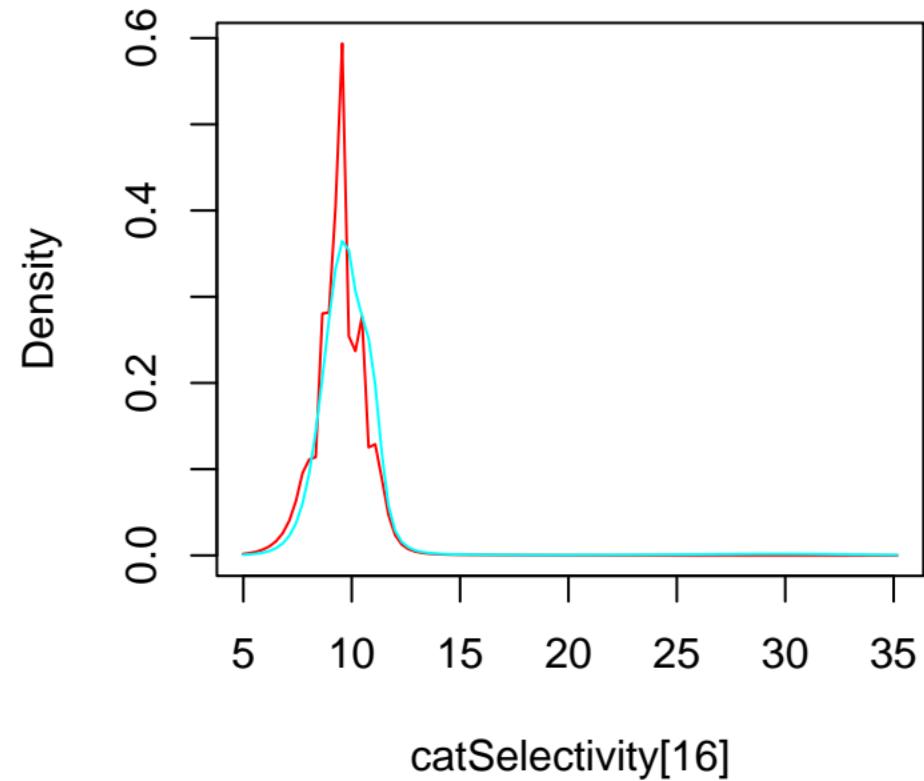
### Density for catSelectivity[15]



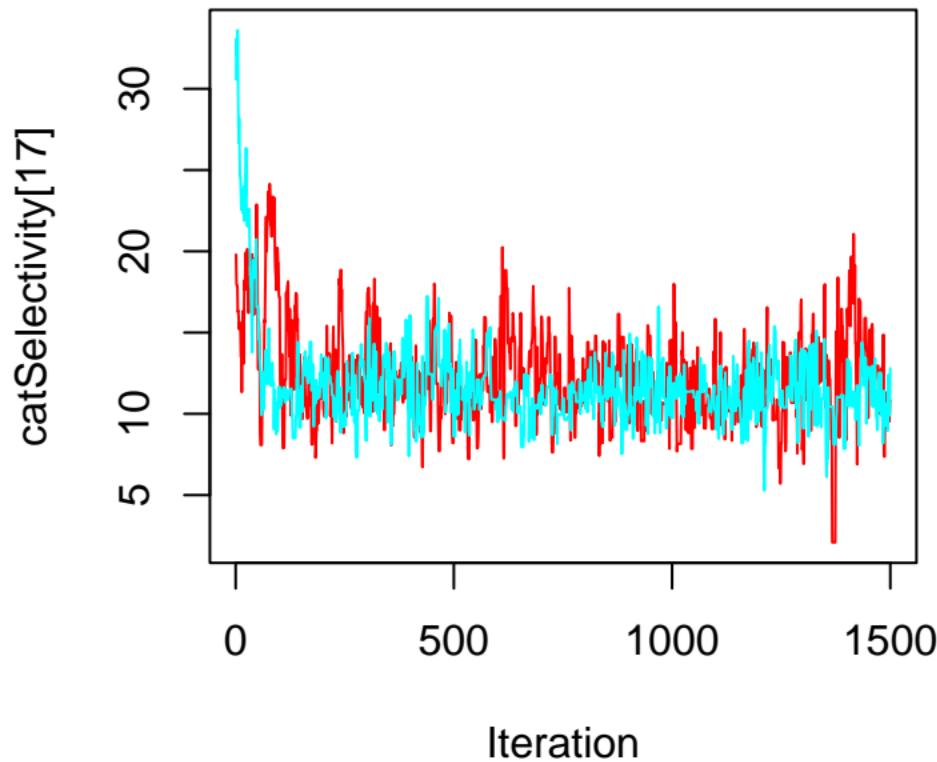
### Chain for catSelectivity[16]



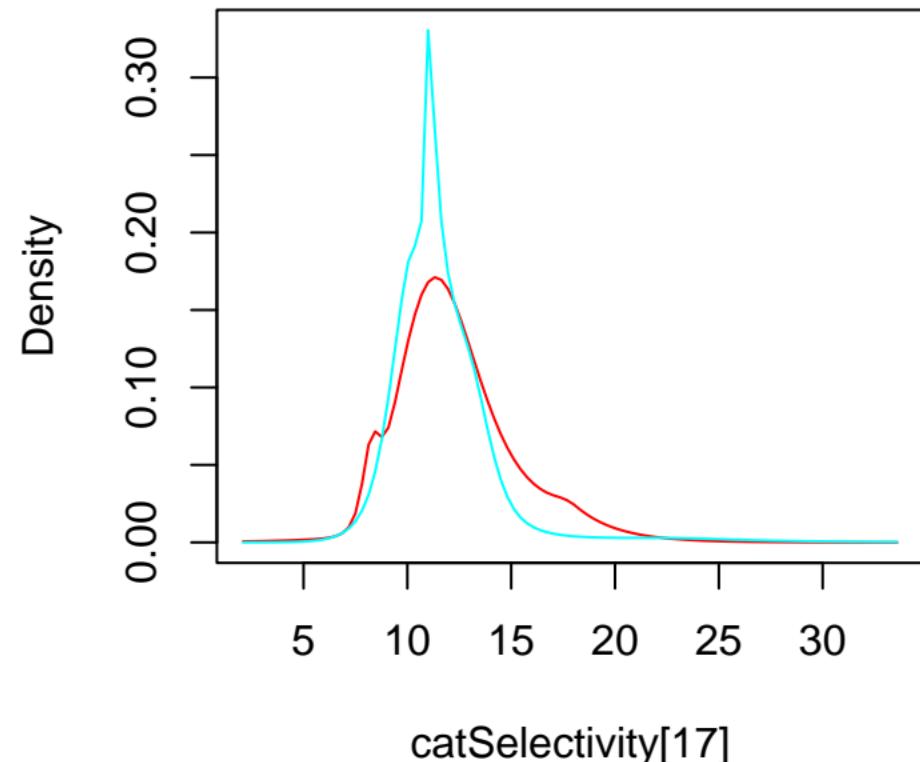
### Density for catSelectivity[16]



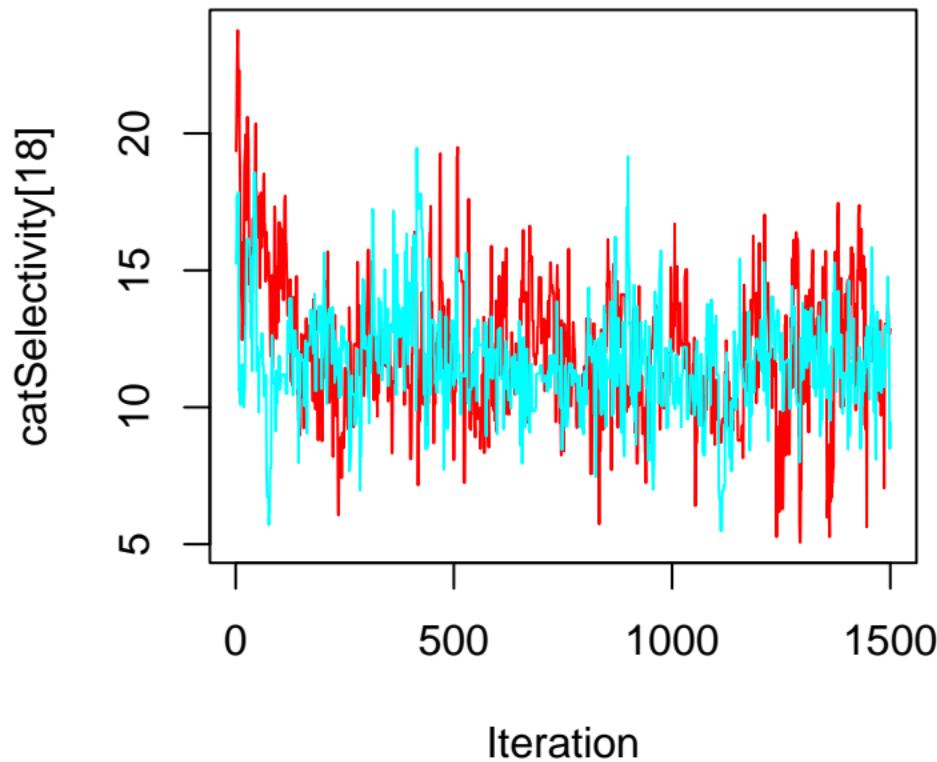
### Chain for catSelectivity[17]



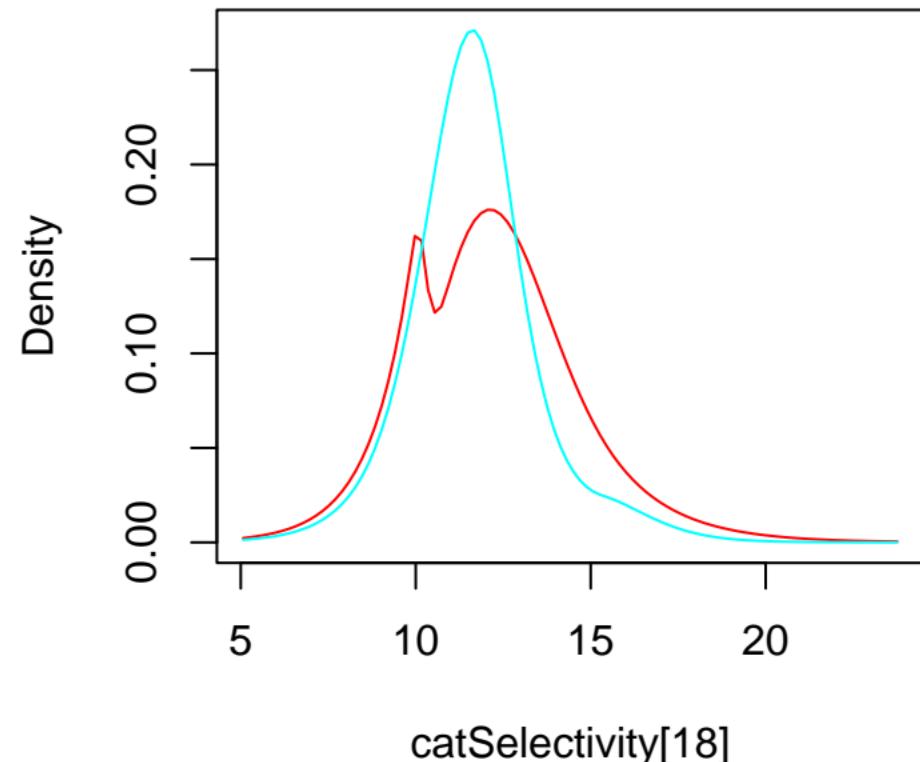
### Density for catSelectivity[17]



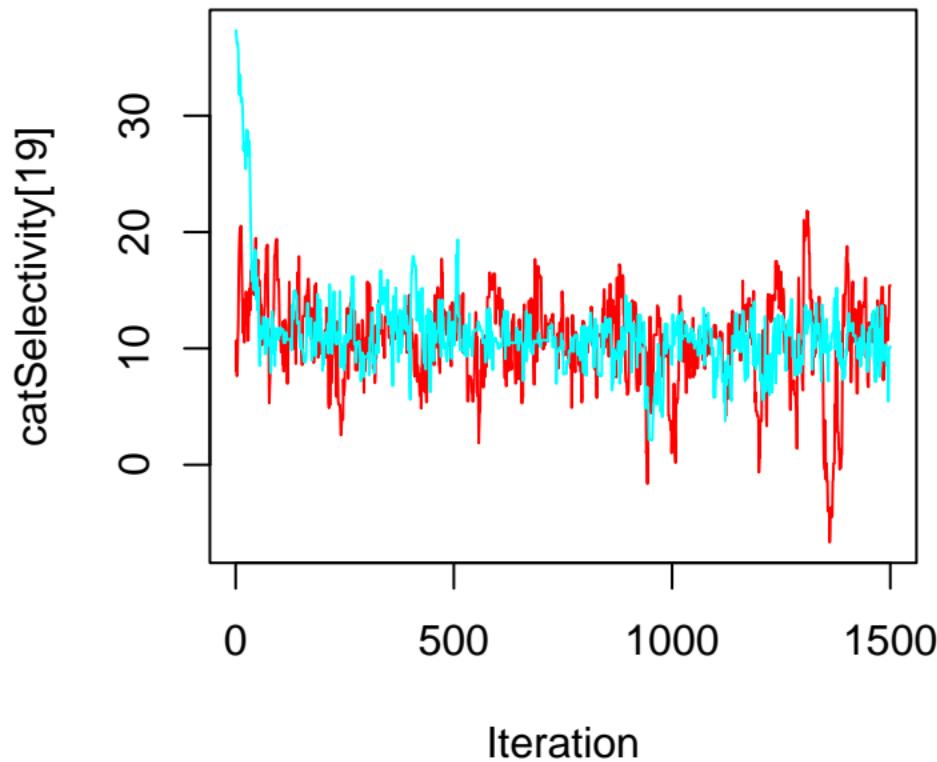
### Chain for catSelectivity[18]



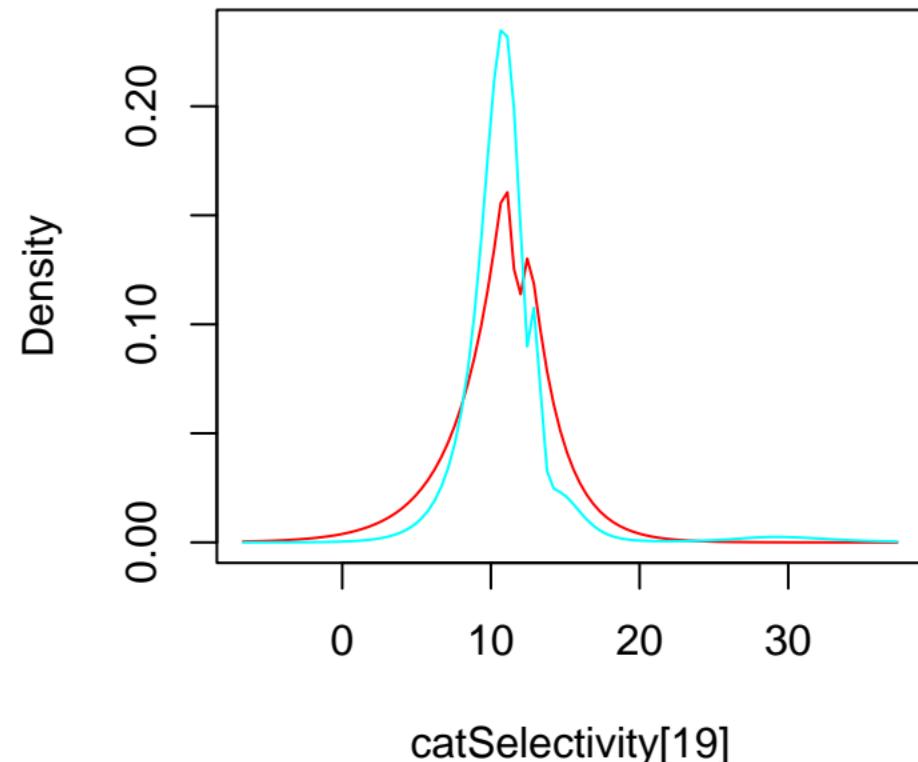
### Density for catSelectivity[18]



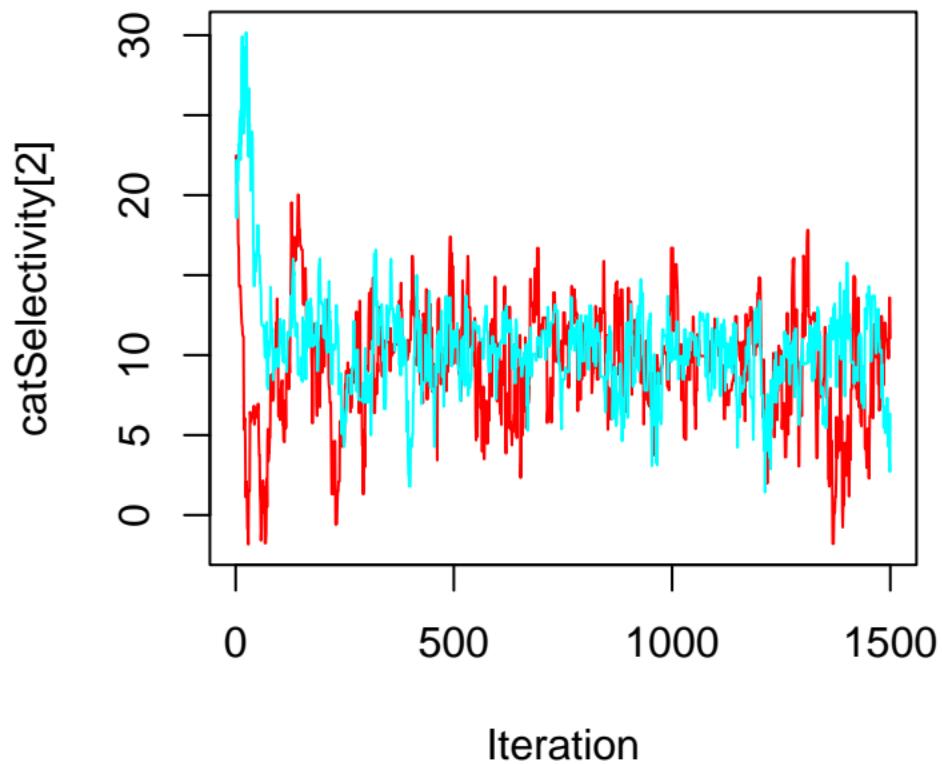
### Chain for catSelectivity[19]



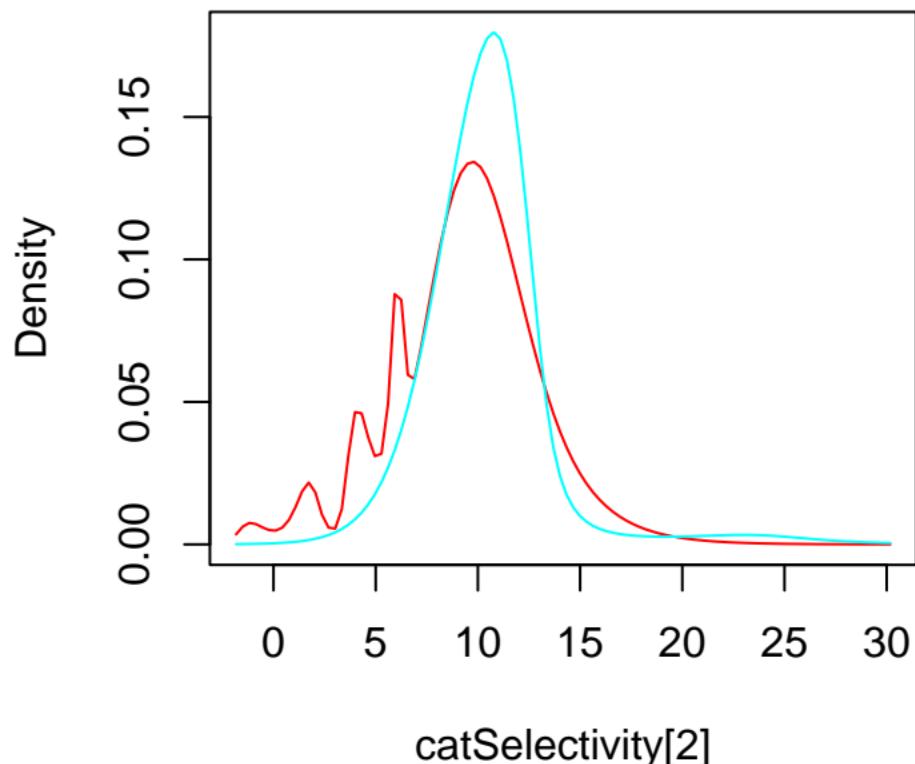
### Density for catSelectivity[19]



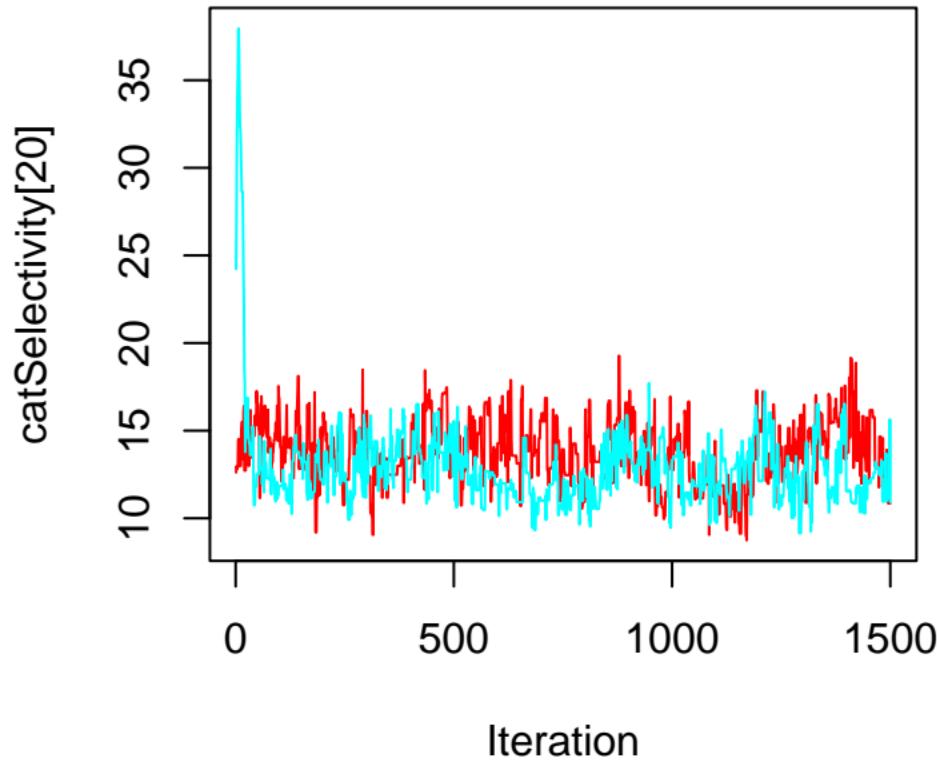
### Chain for catSelectivity[2]



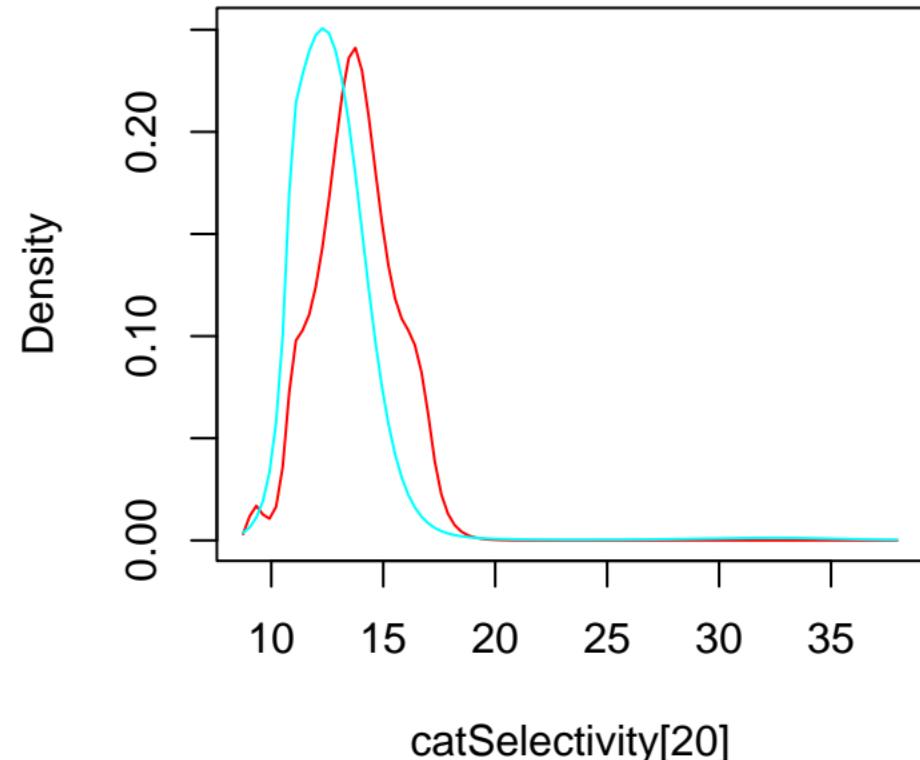
### Density for catSelectivity[2]



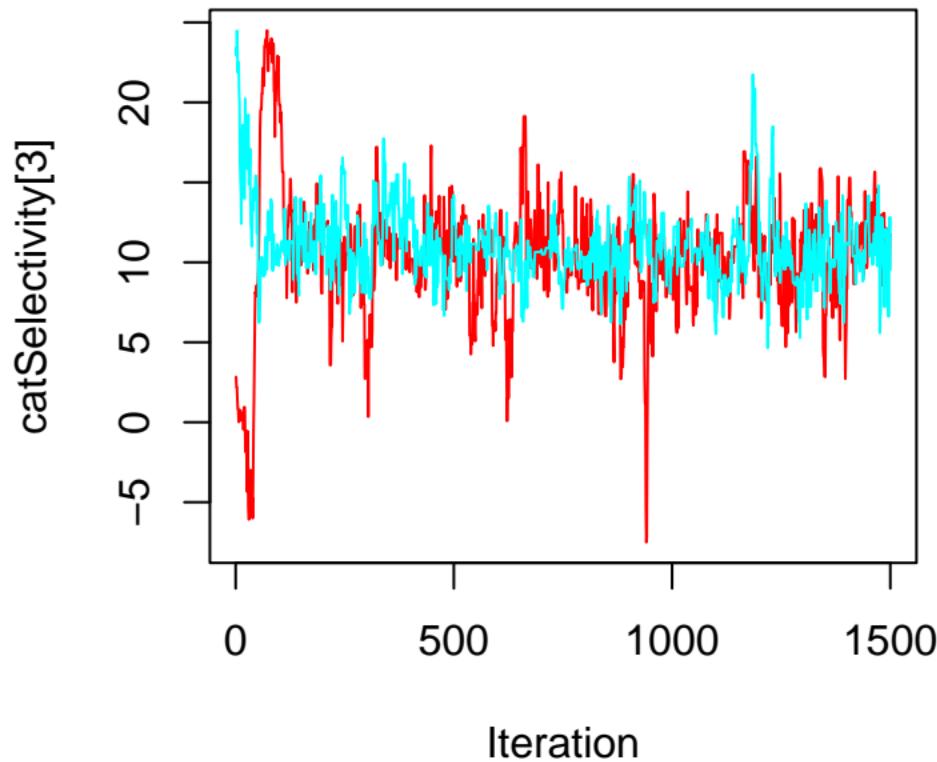
### Chain for catSelectivity[20]



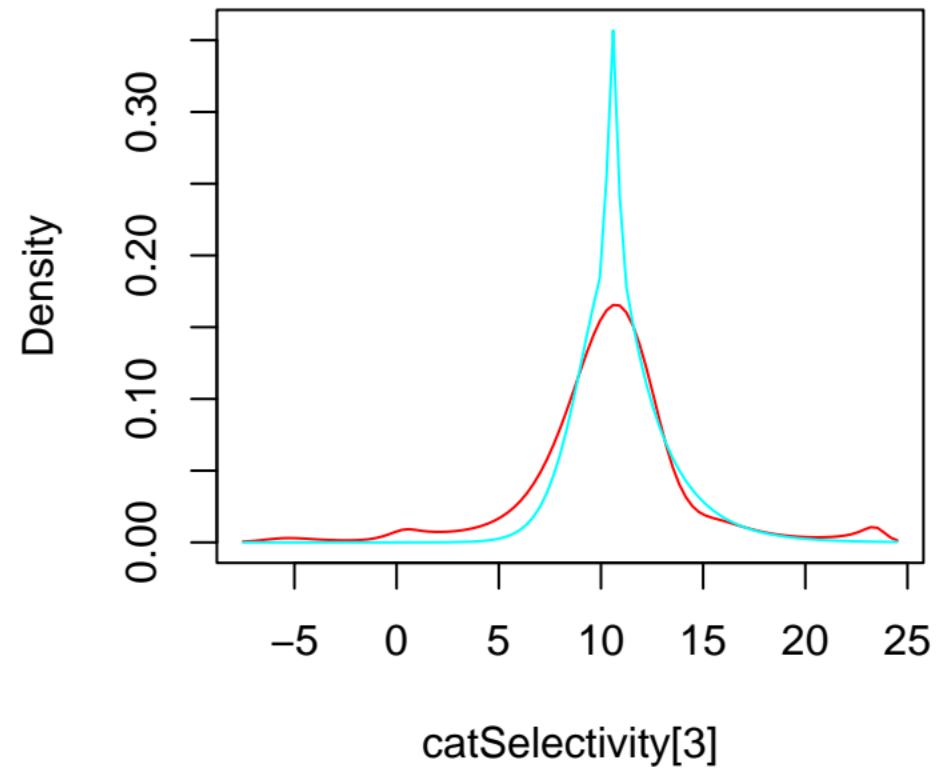
### Density for catSelectivity[20]



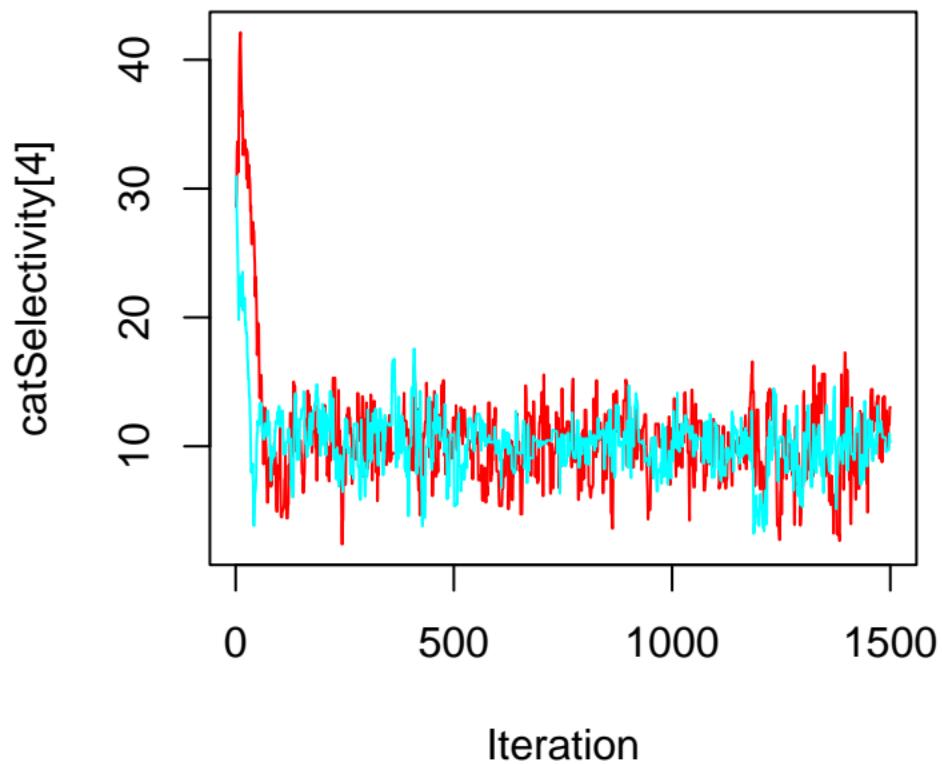
### Chain for catSelectivity[3]



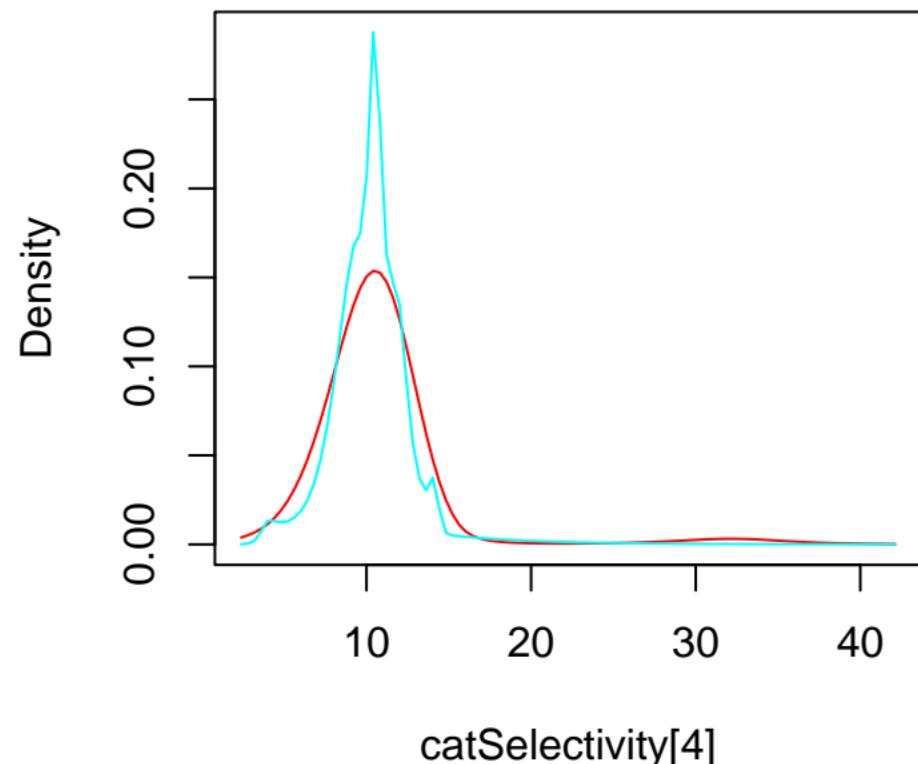
### Density for catSelectivity[3]



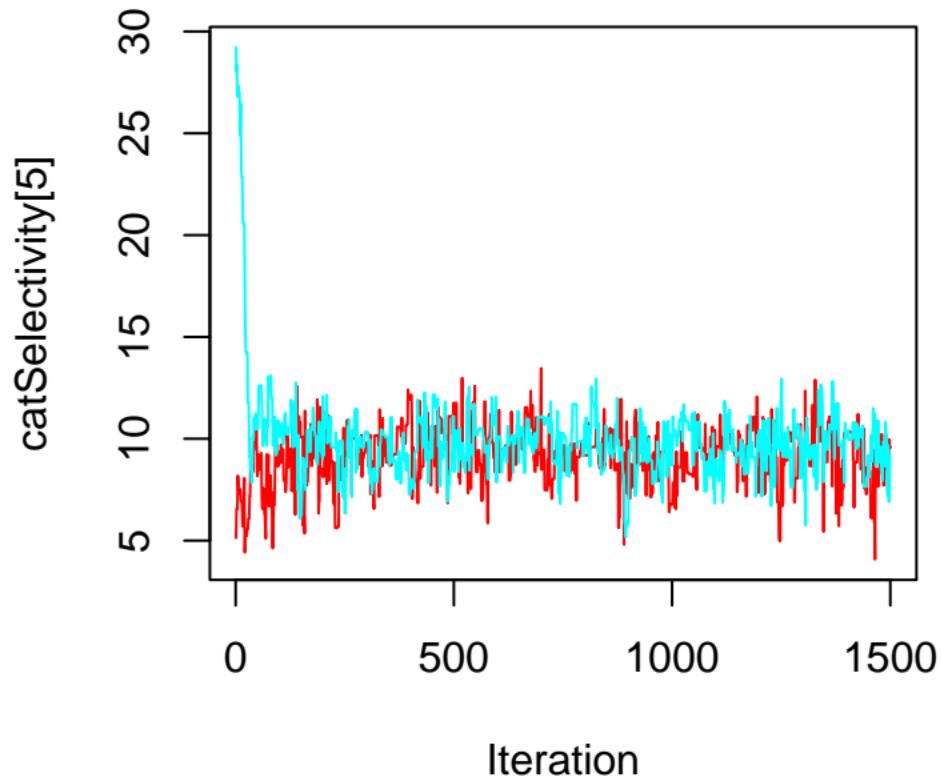
### Chain for catSelectivity[4]



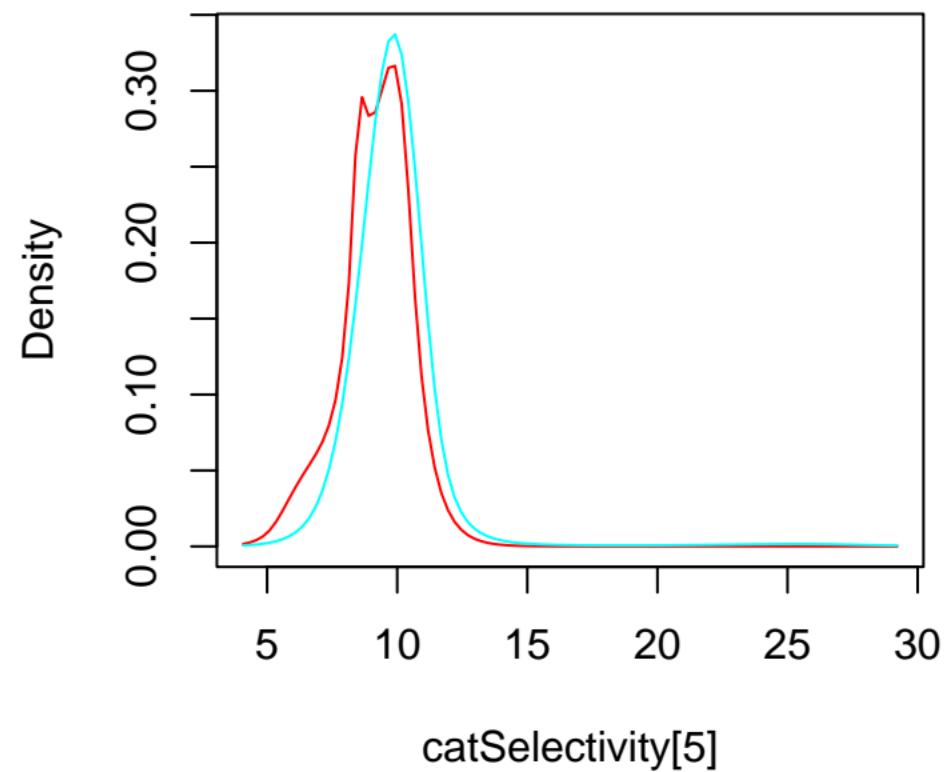
### Density for catSelectivity[4]



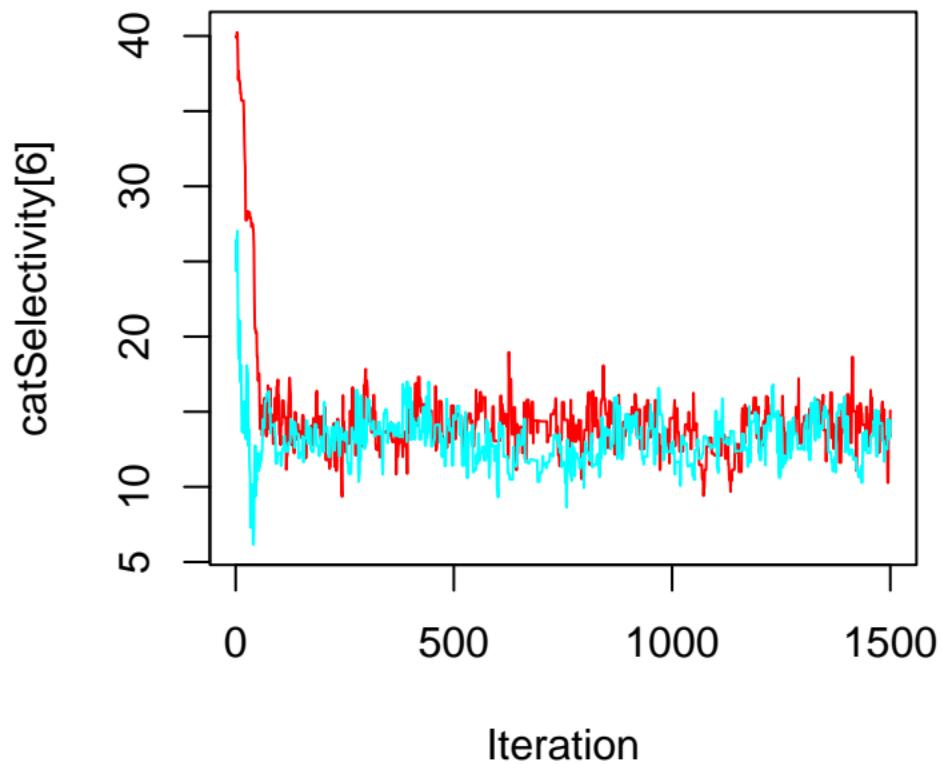
### Chain for catSelectivity[5]



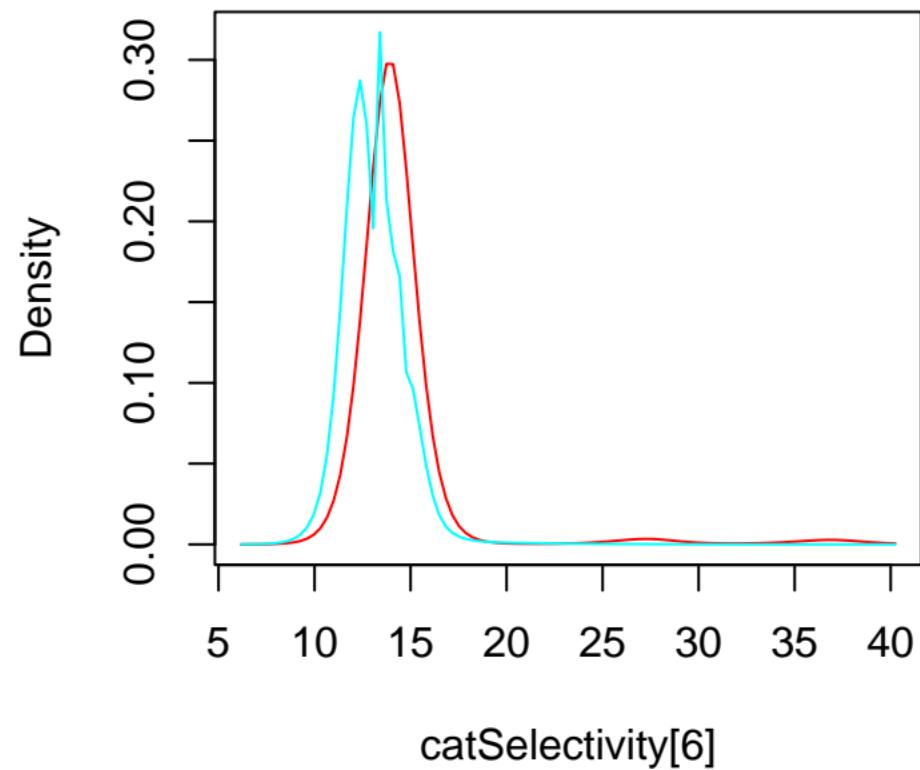
### Density for catSelectivity[5]



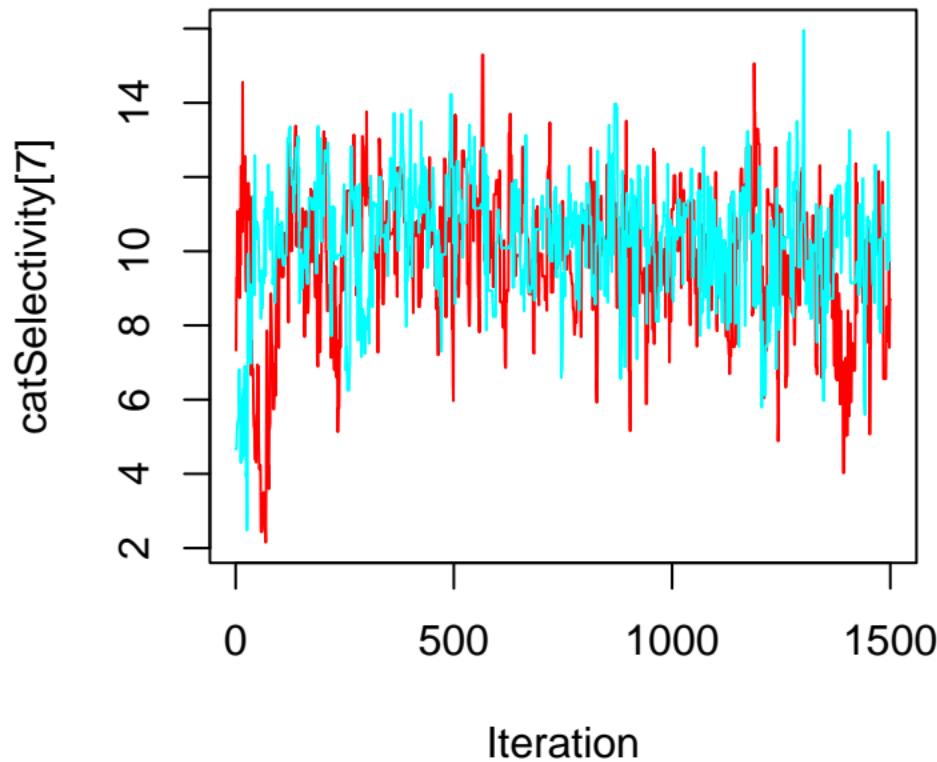
### Chain for catSelectivity[6]



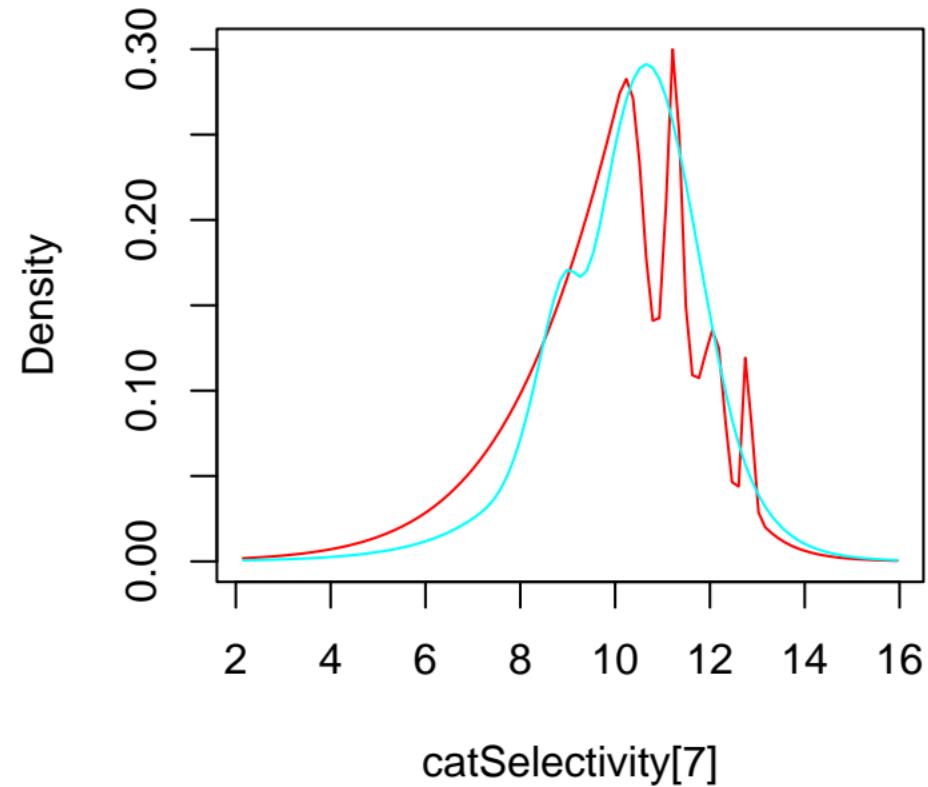
### Density for catSelectivity[6]



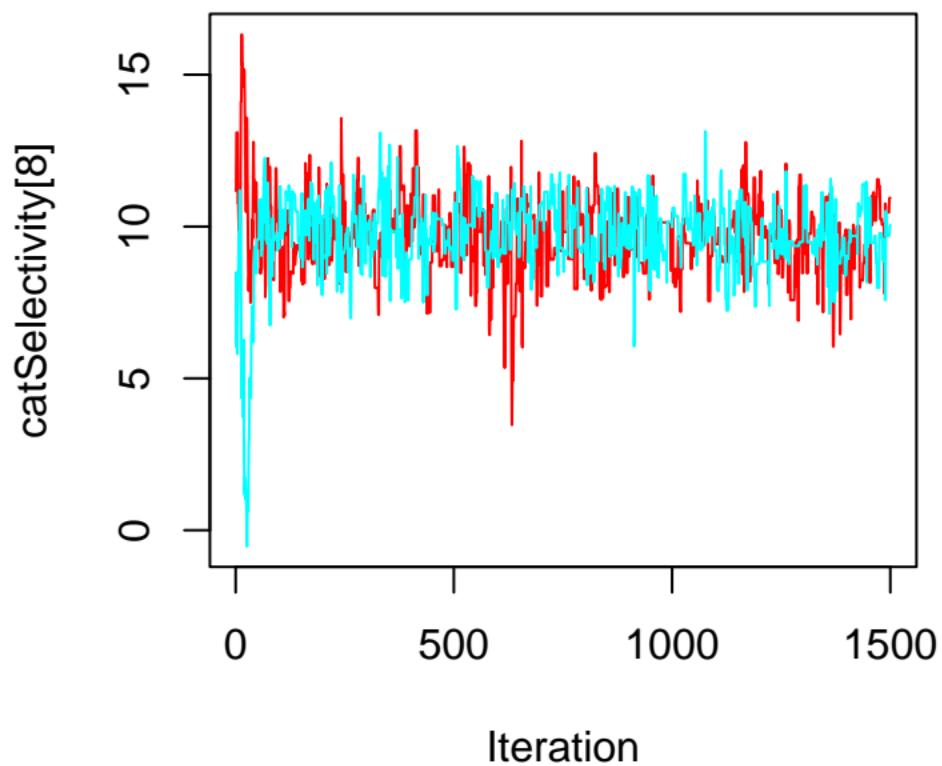
### Chain for catSelectivity[7]



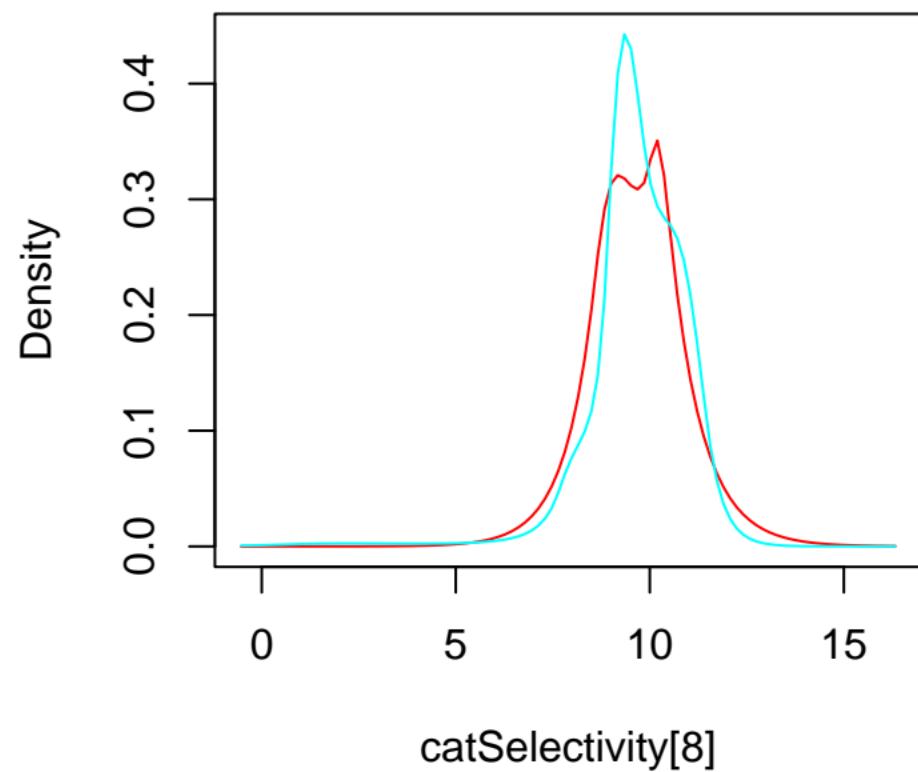
### Density for catSelectivity[7]



### Chain for catSelectivity[8]

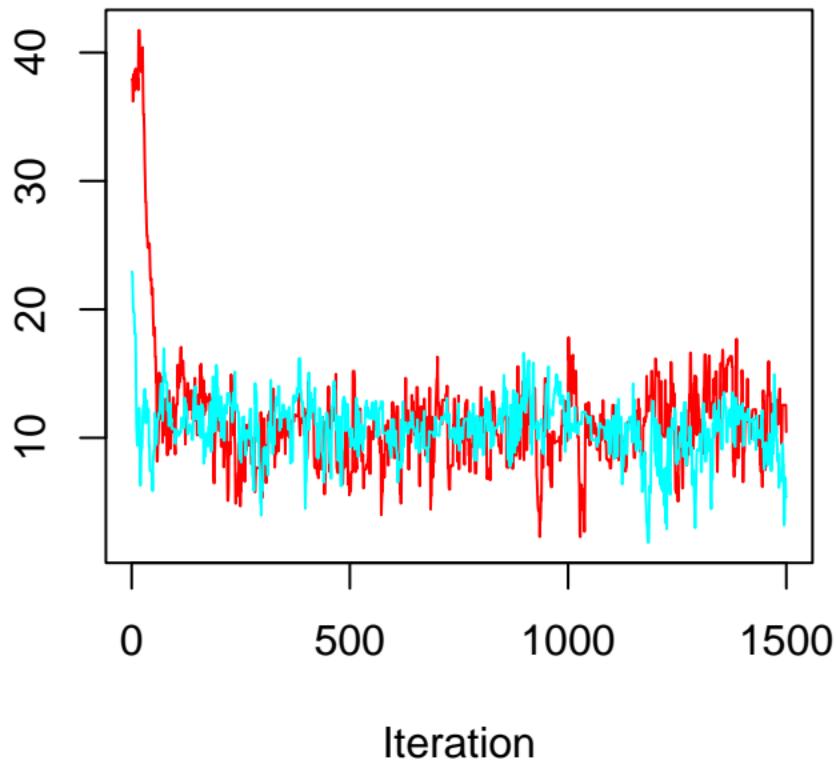


### Density for catSelectivity[8]



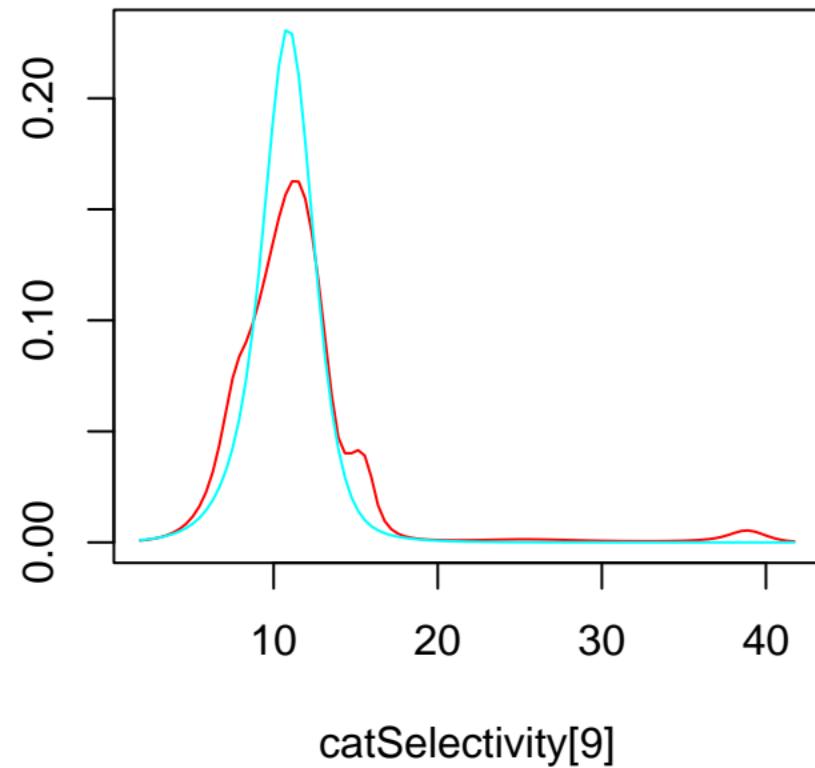
## Chain for catSelectivity[9]

catSelectivity[9]



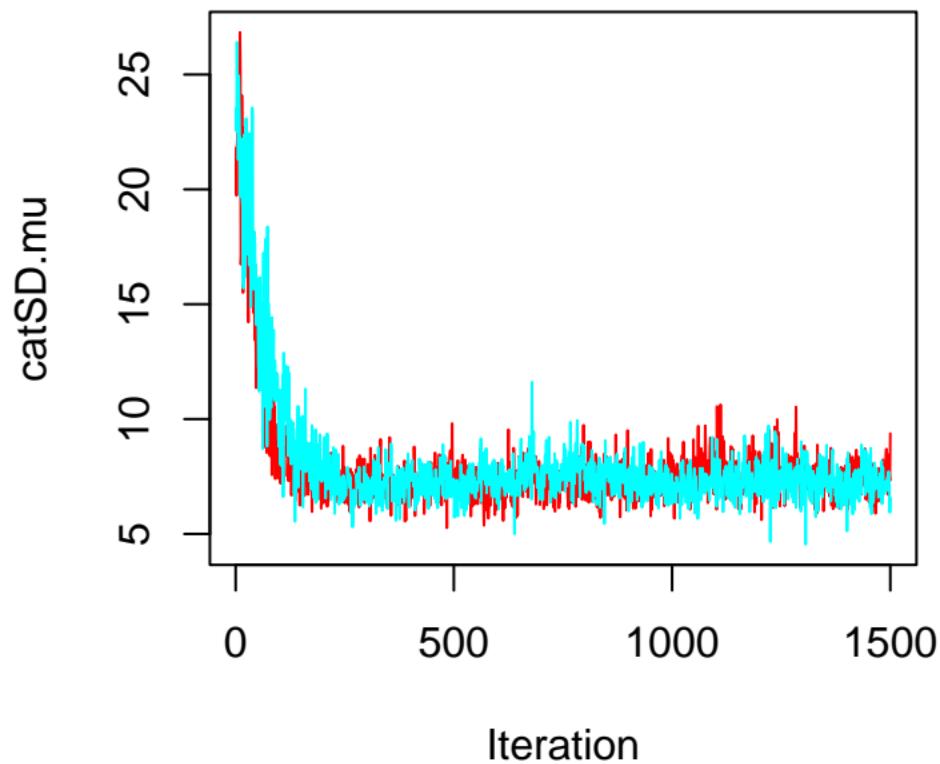
## Density for catSelectivity[9]

Density

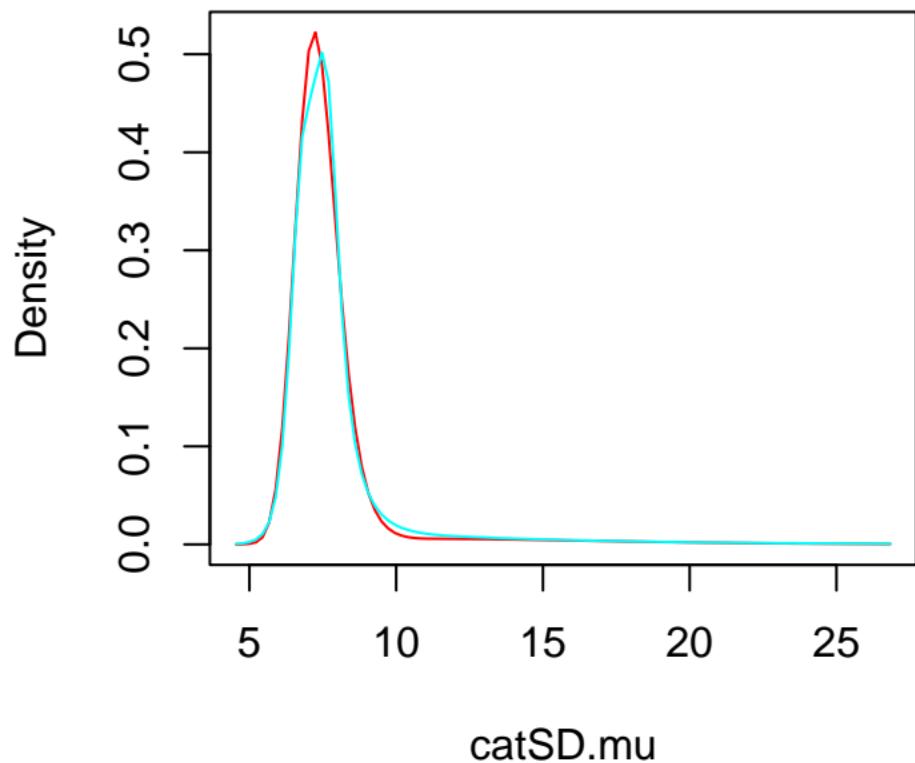


catSD

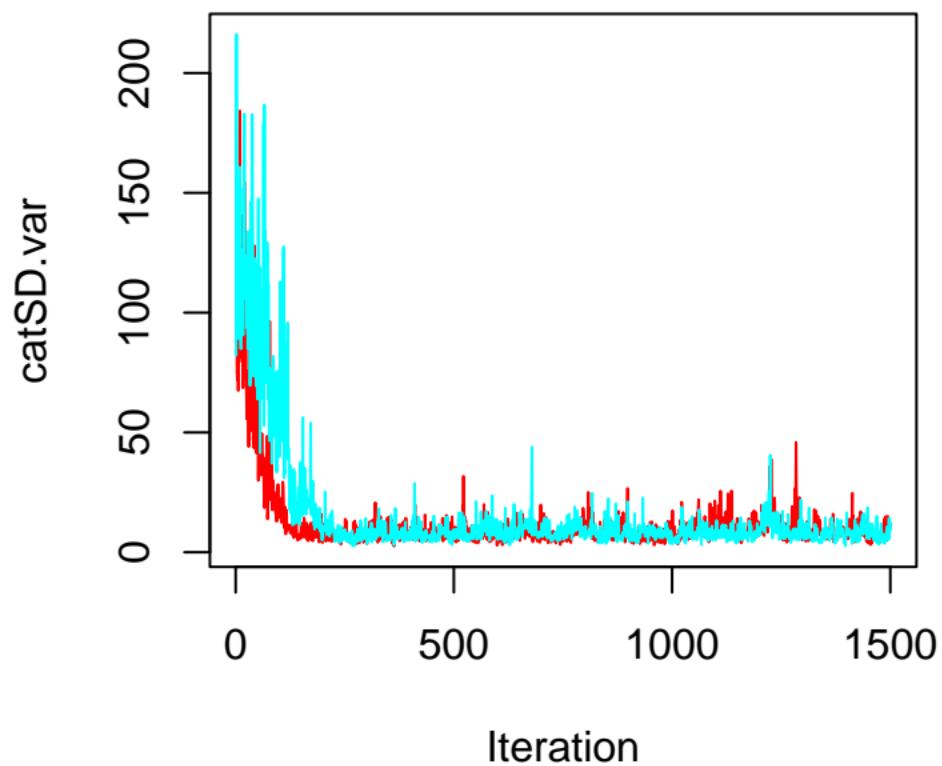
**Chain for catSD.mu**



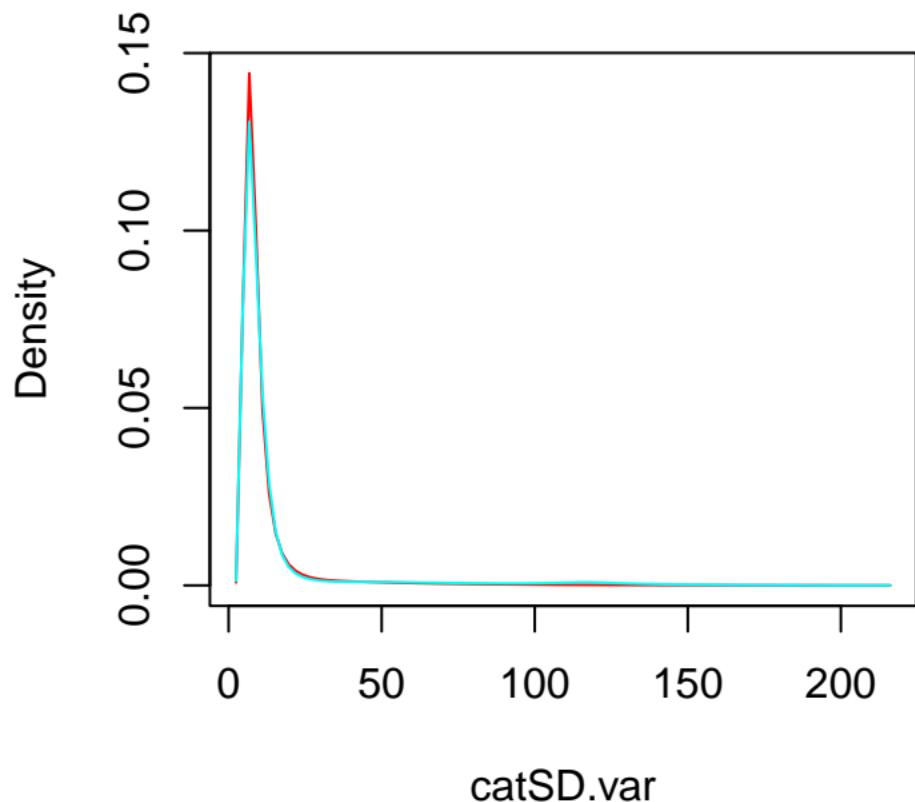
**Density for catSD.mu**



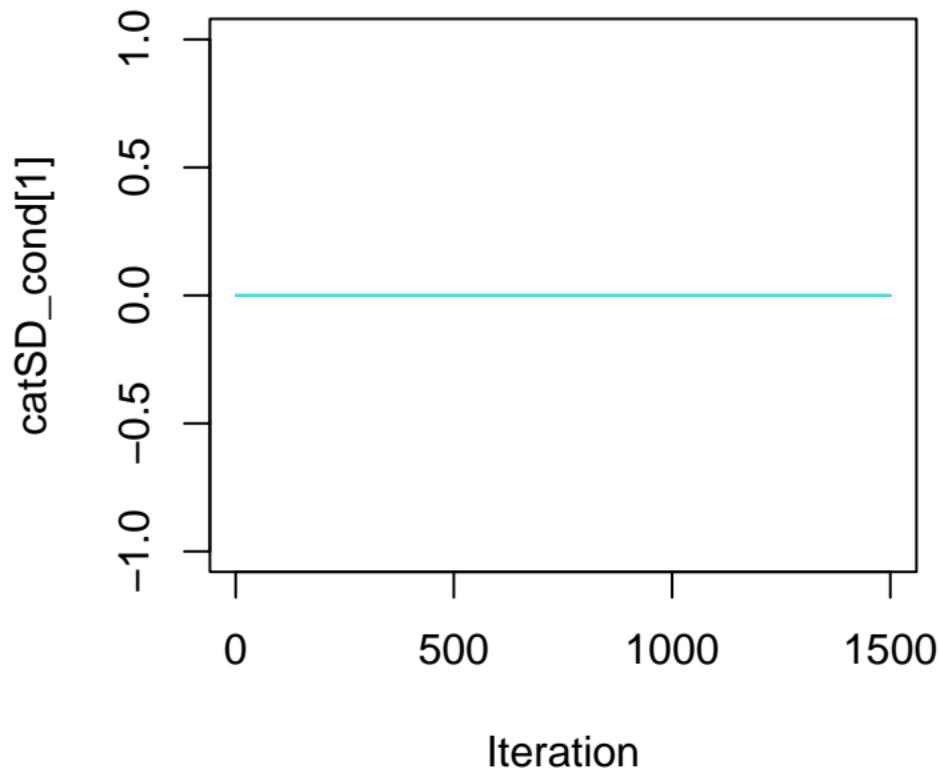
### Chain for catSD.var



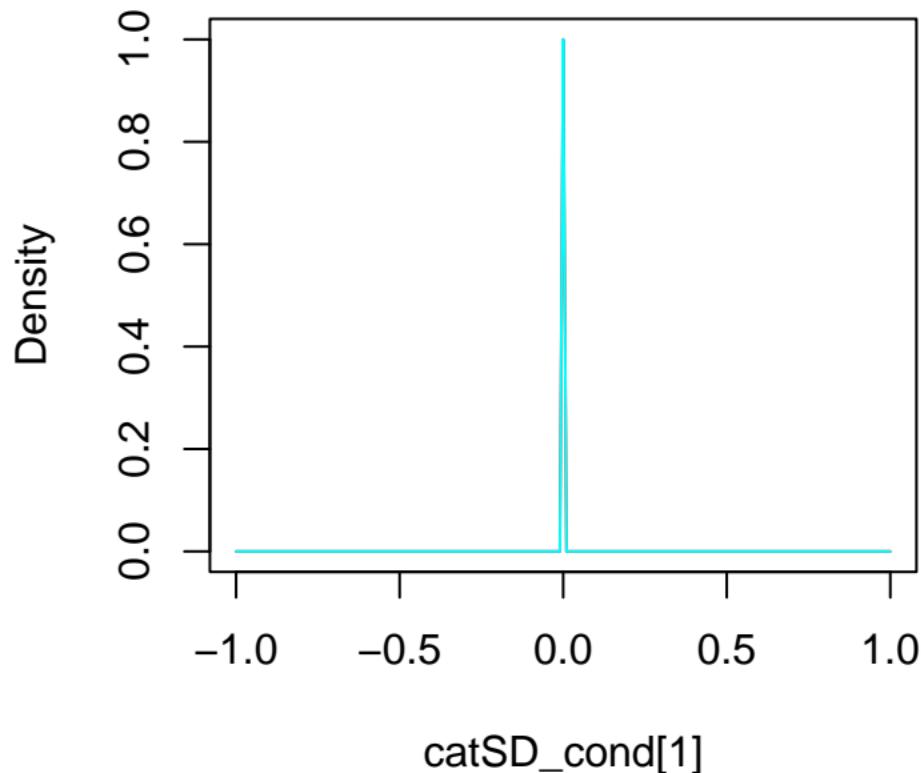
### Density for catSD.var



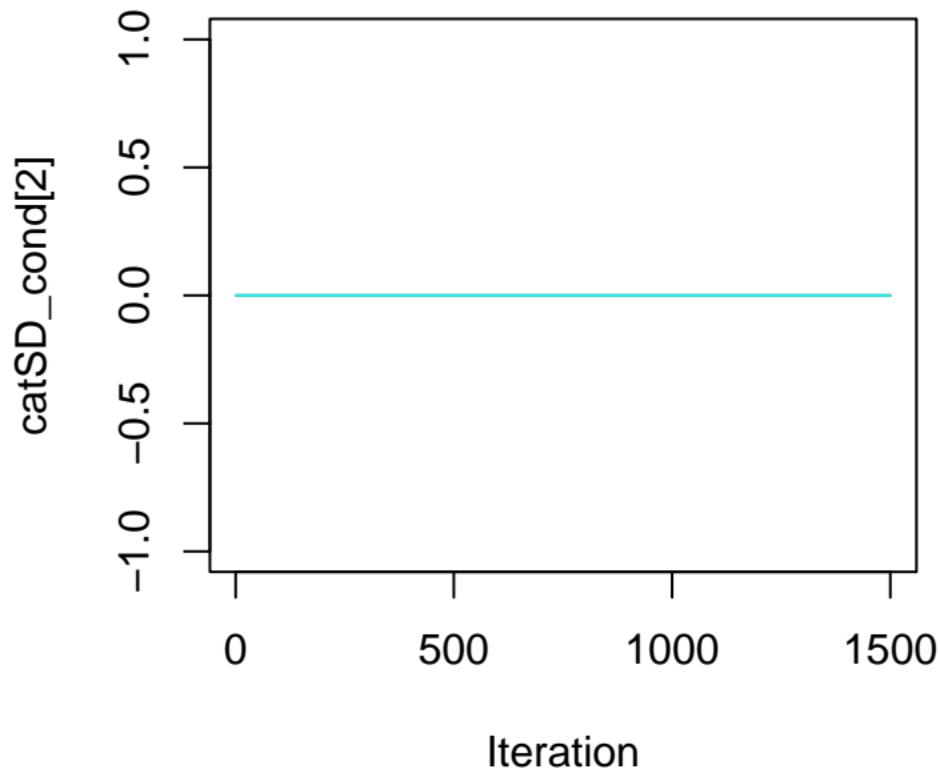
**Chain for catSD\_cond[1]**



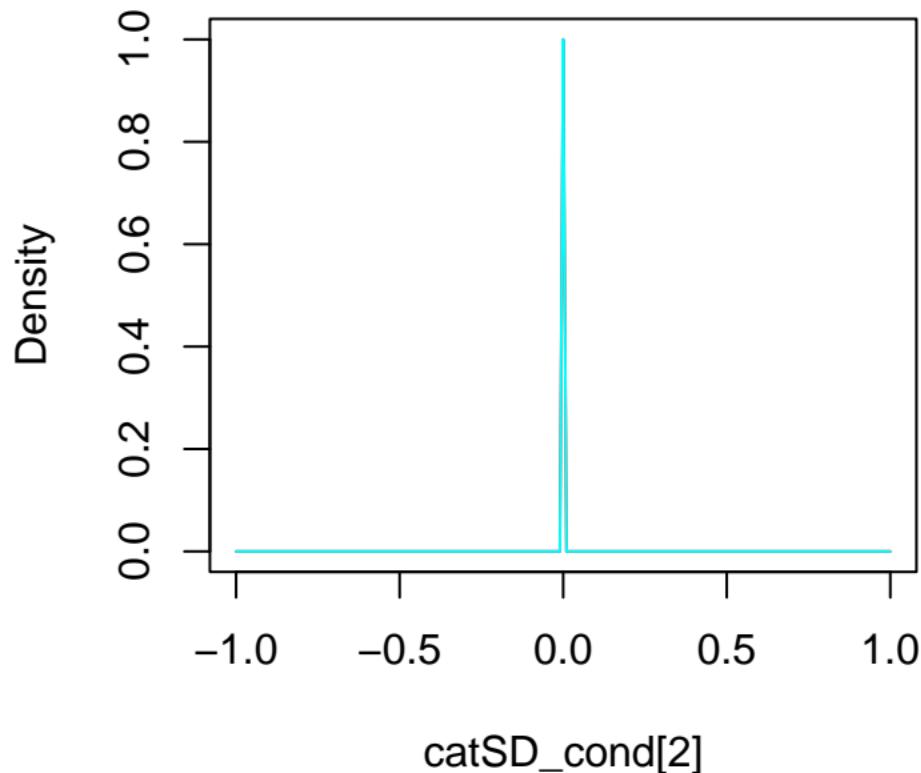
**Density for catSD\_cond[1]**



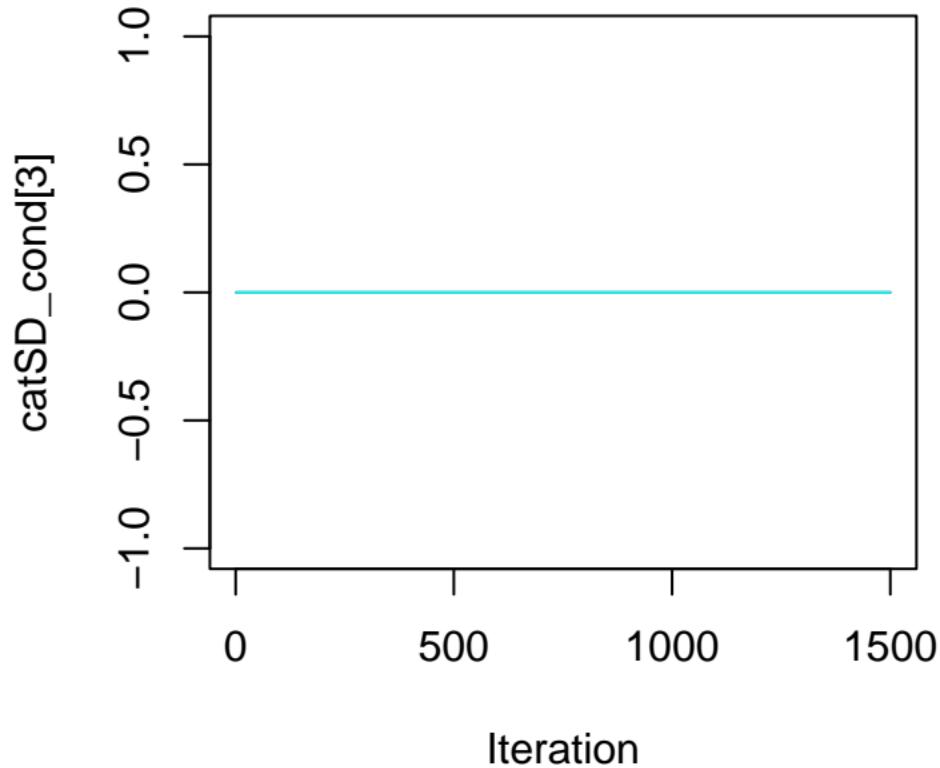
**Chain for catSD\_cond[2]**



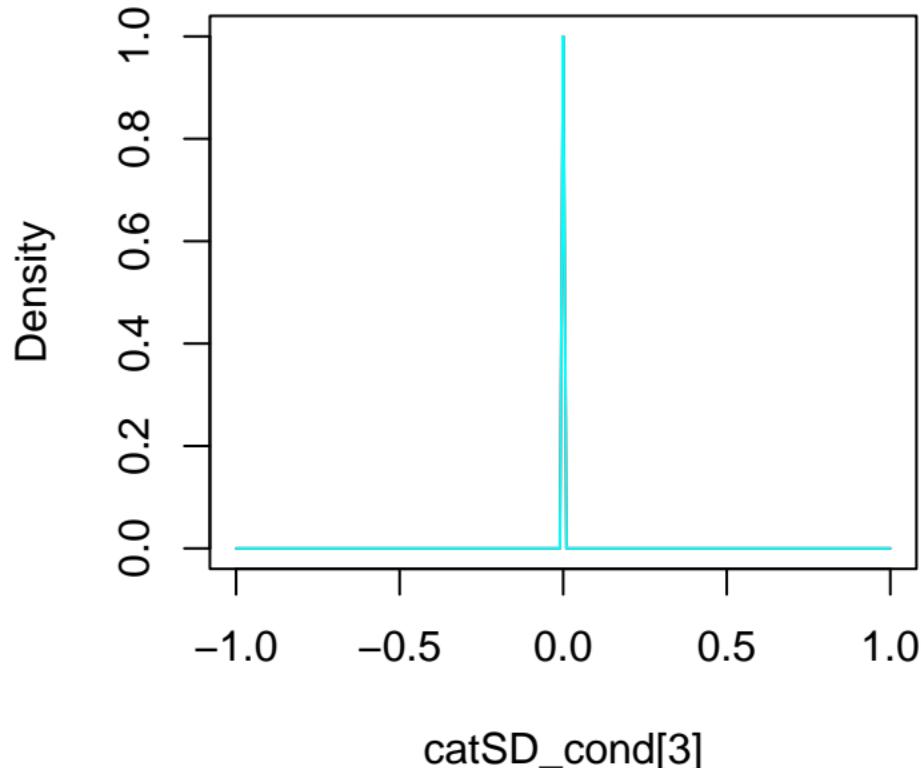
**Density for catSD\_cond[2]**



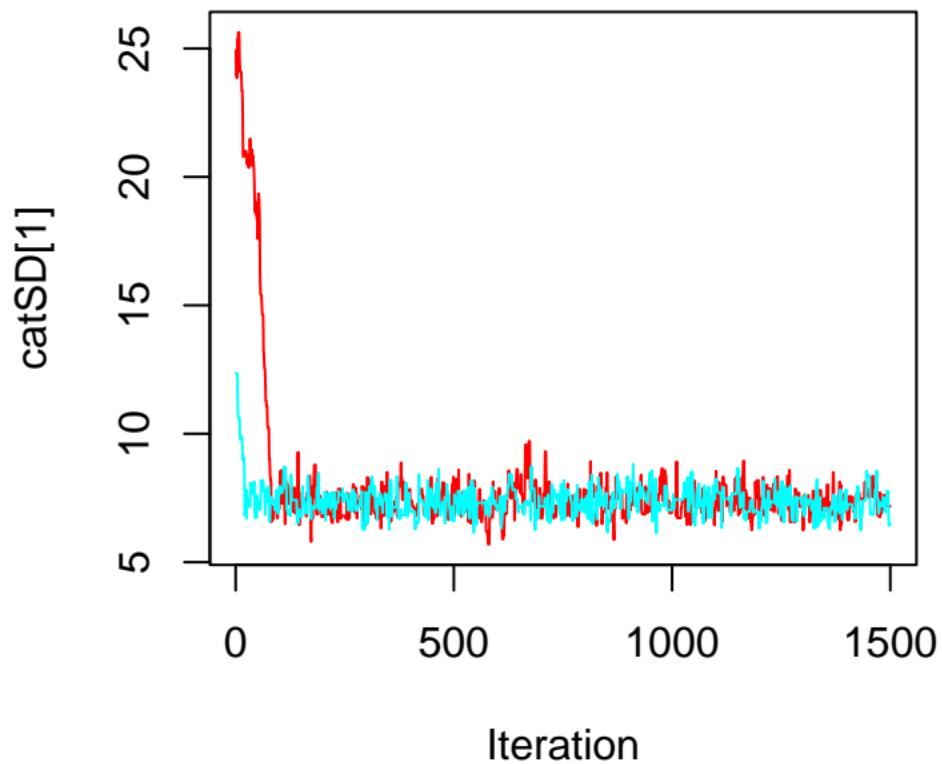
**Chain for catSD\_cond[3]**



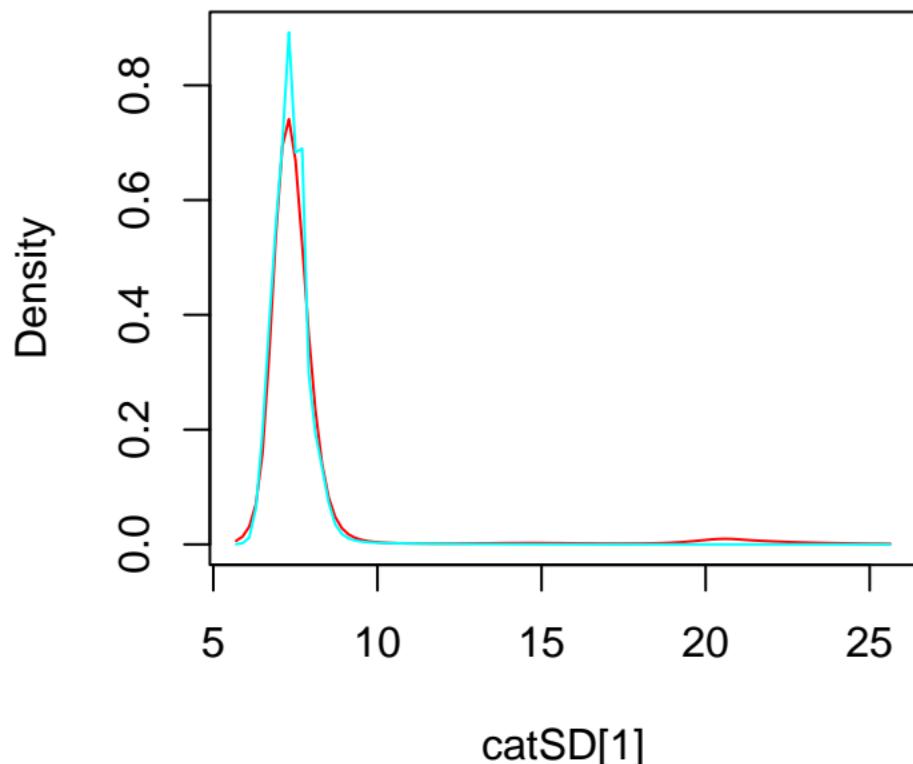
**Density for catSD\_cond[3]**



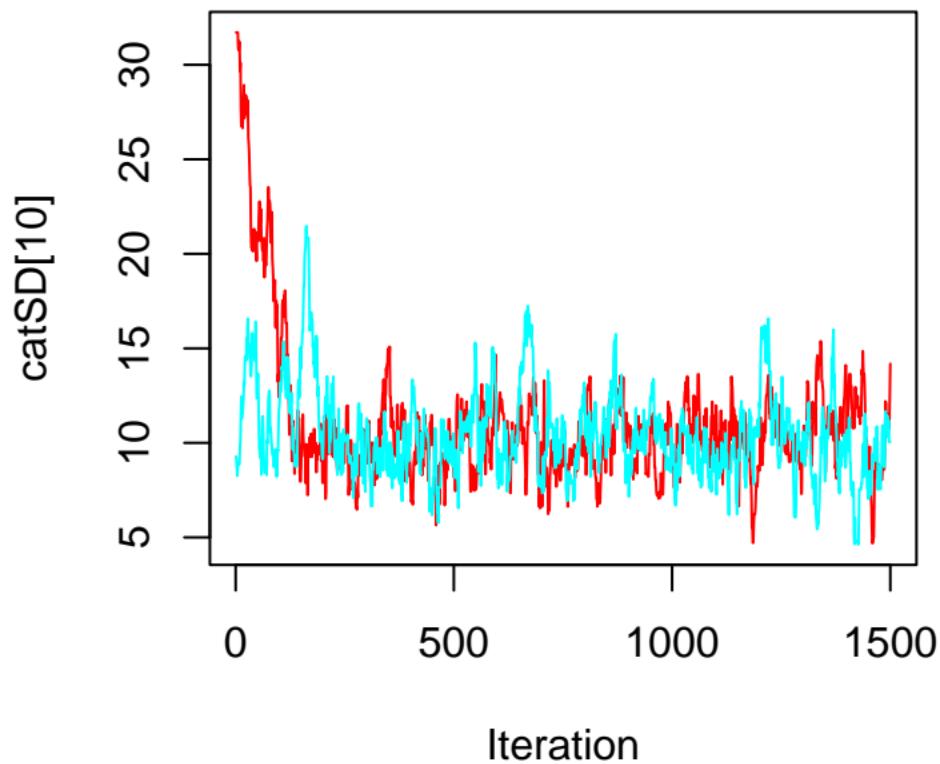
**Chain for catSD[1]**



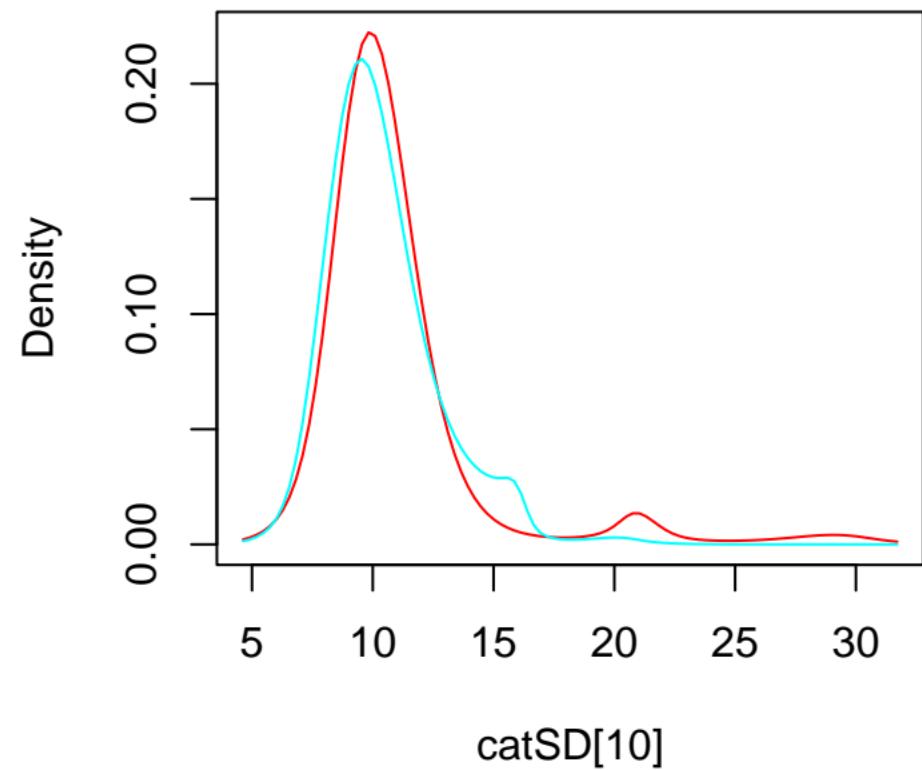
**Density for catSD[1]**



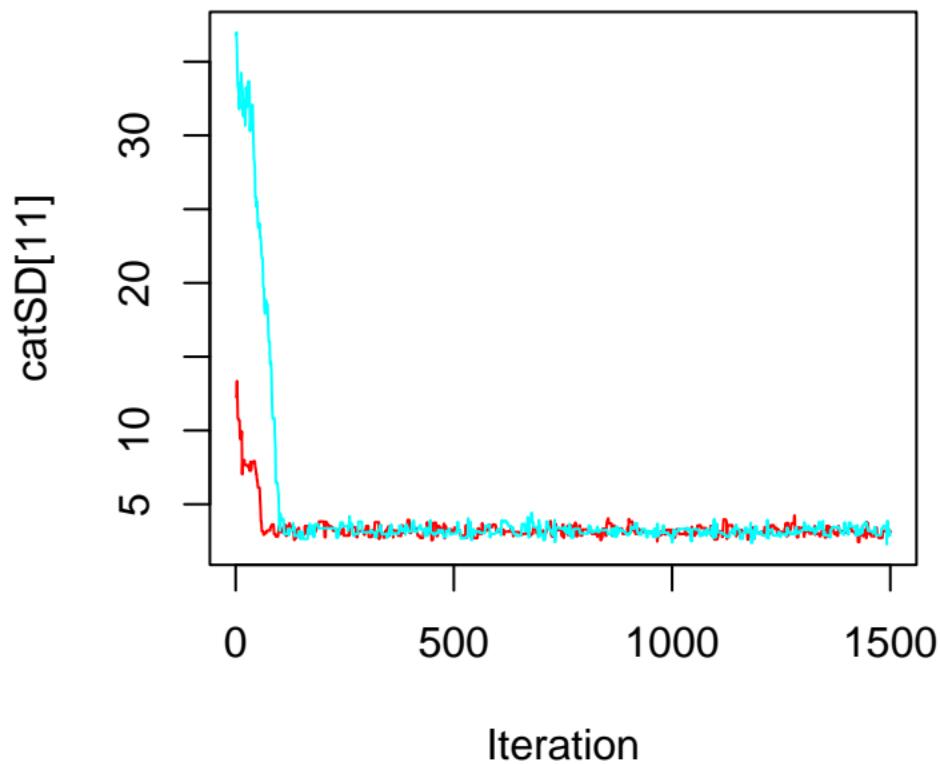
### Chain for catSD[10]



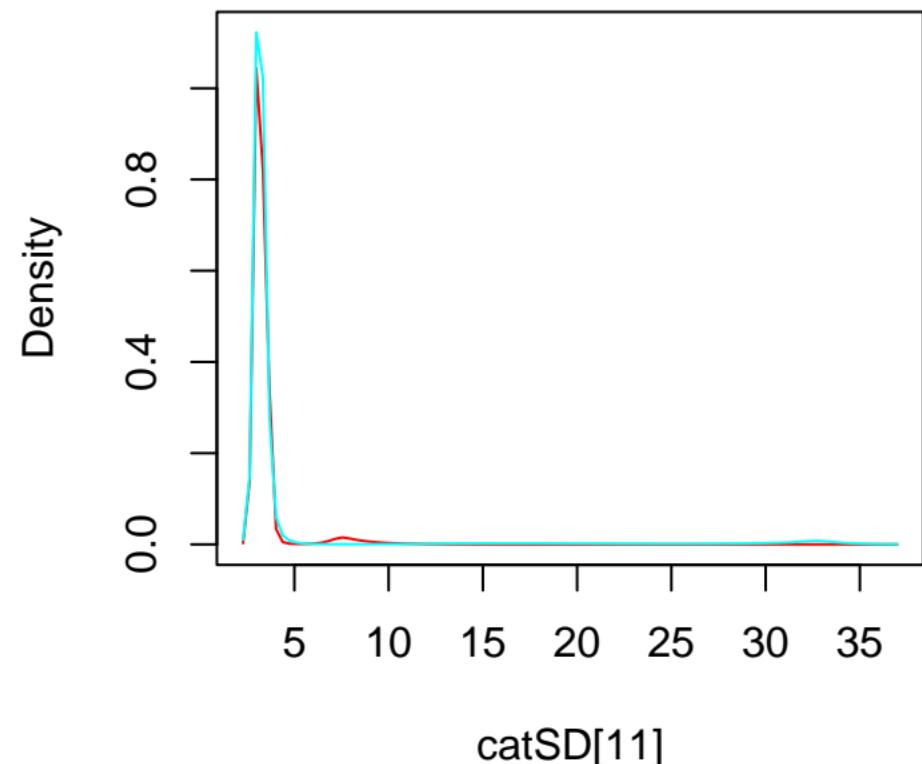
### Density for catSD[10]



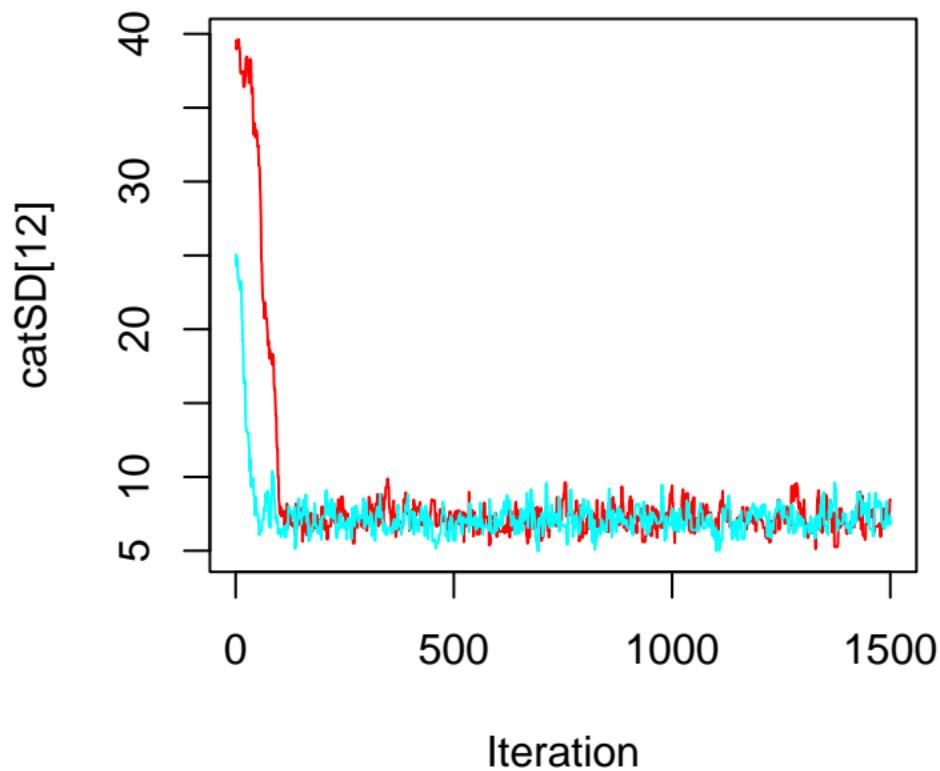
**Chain for catSD[11]**



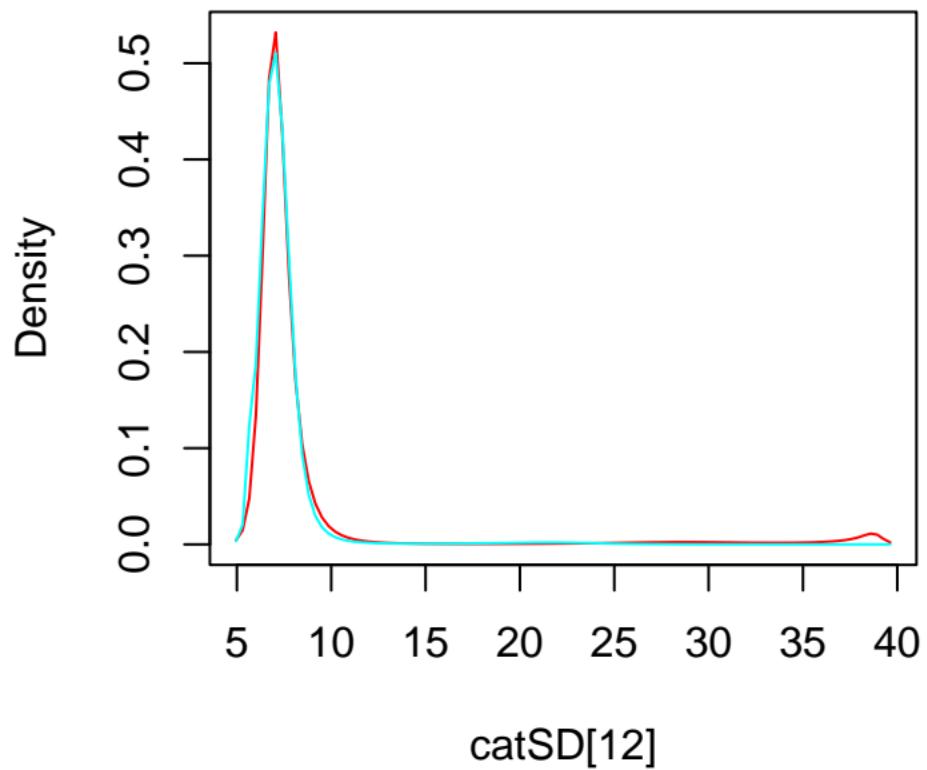
**Density for catSD[11]**



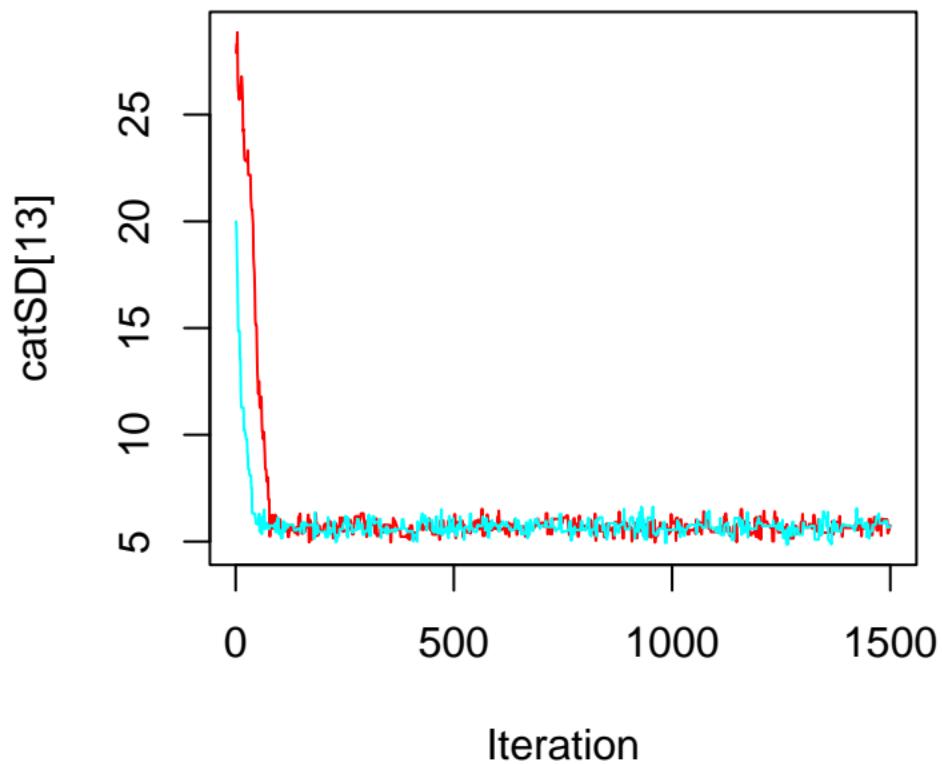
**Chain for catSD[12]**



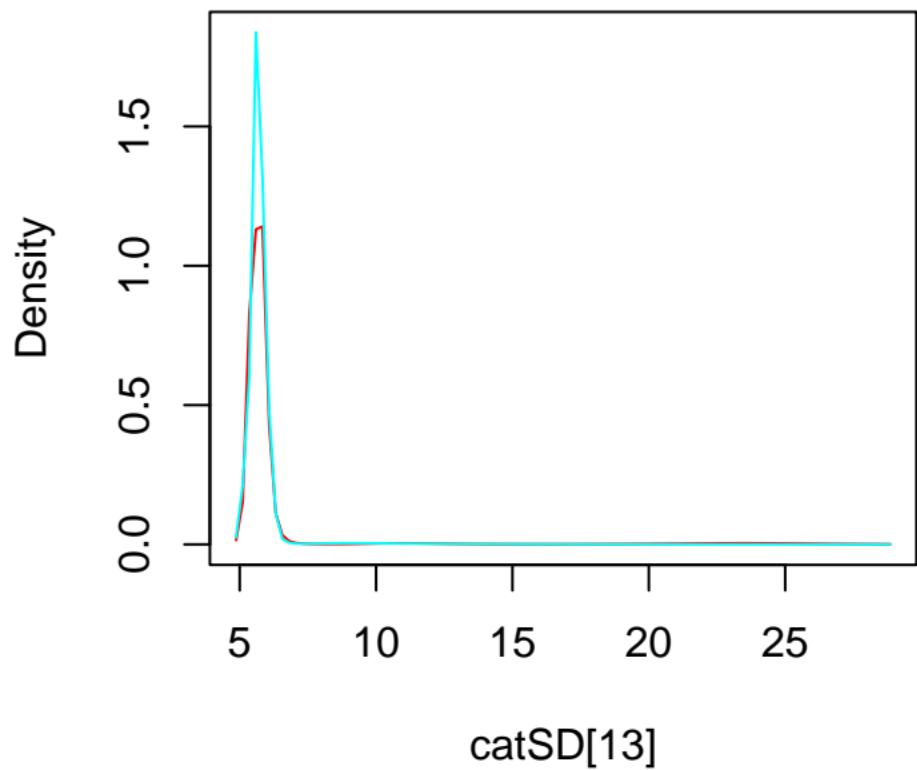
**Density for catSD[12]**



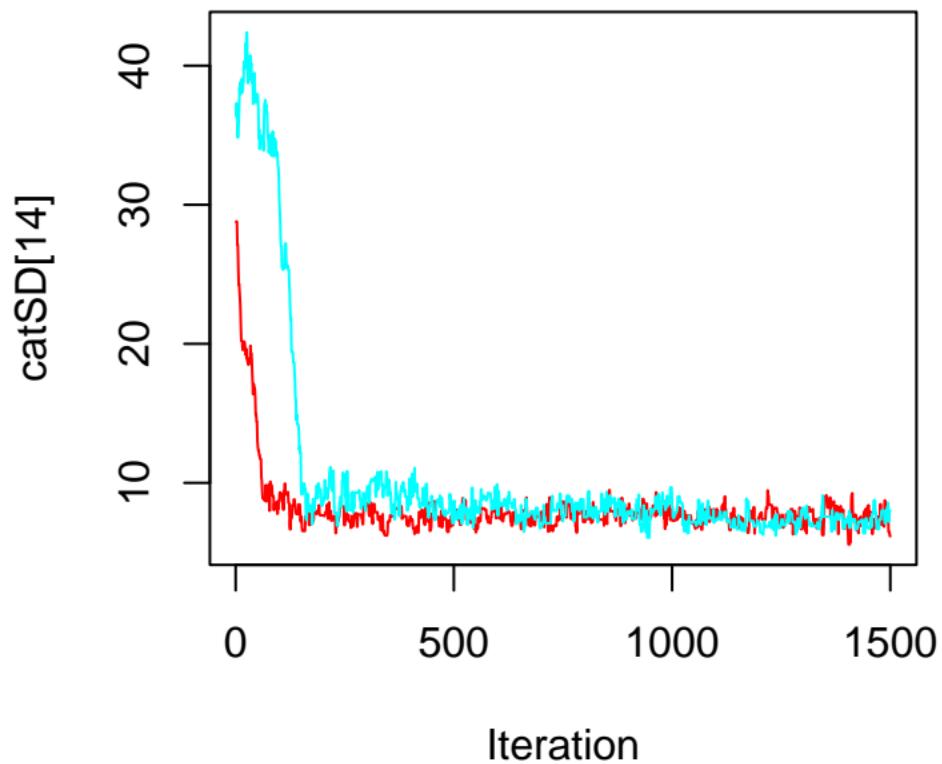
### Chain for catSD[13]



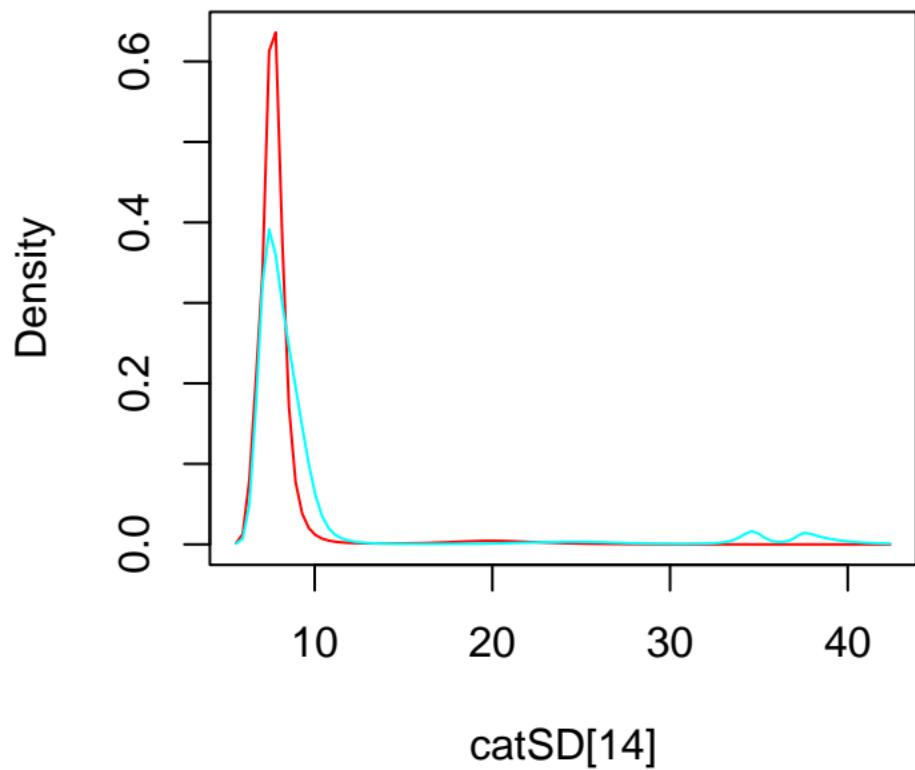
### Density for catSD[13]



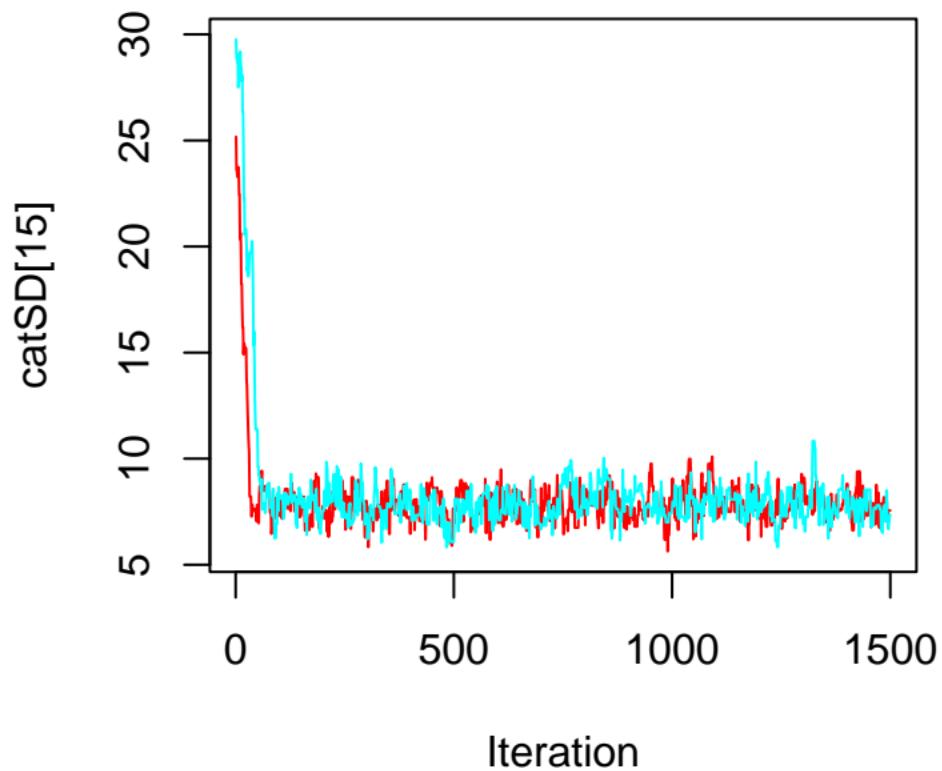
**Chain for catSD[14]**



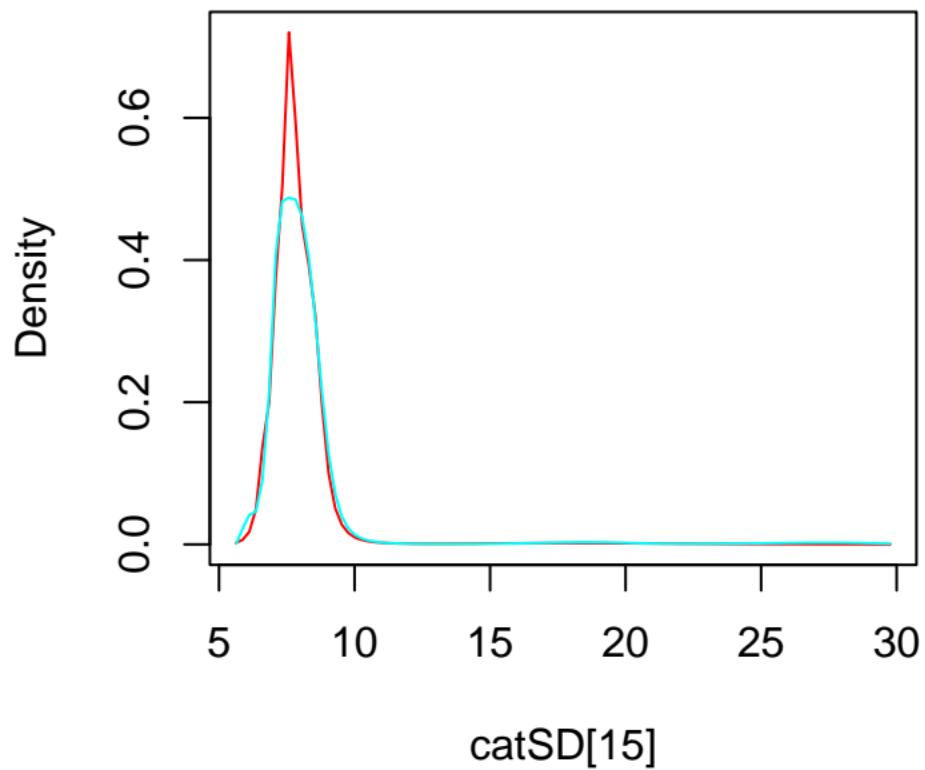
**Density for catSD[14]**



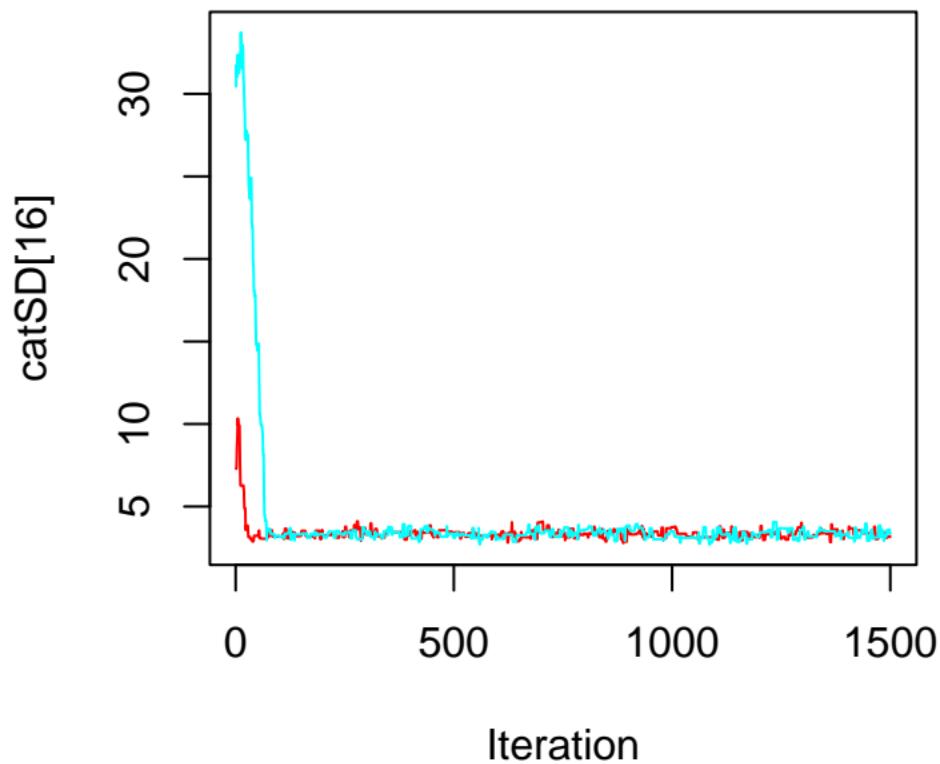
**Chain for catSD[15]**



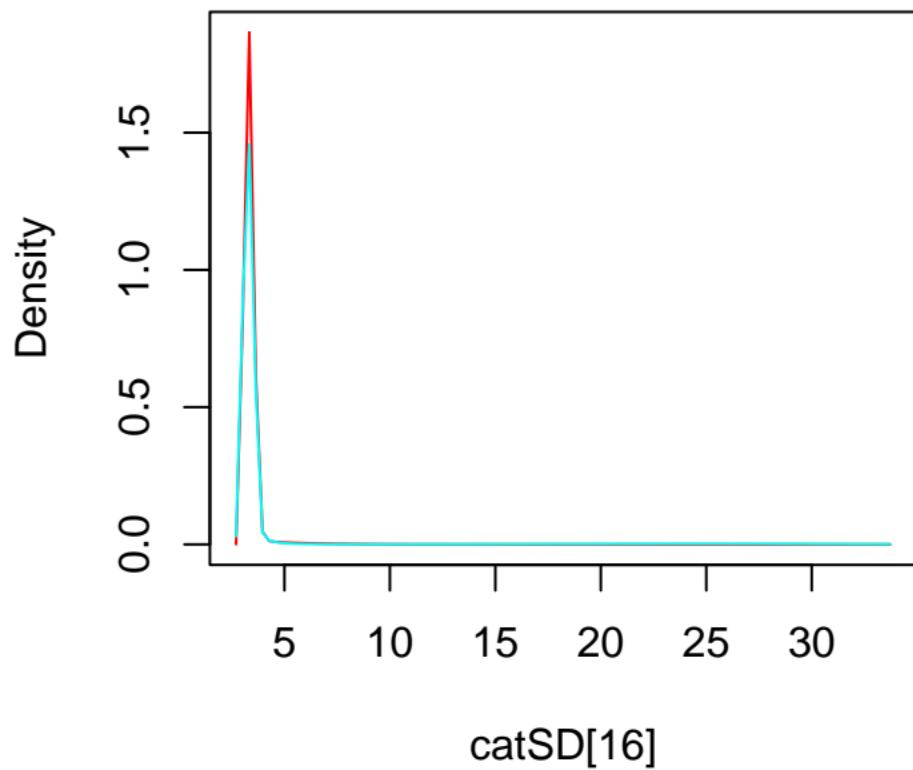
**Density for catSD[15]**



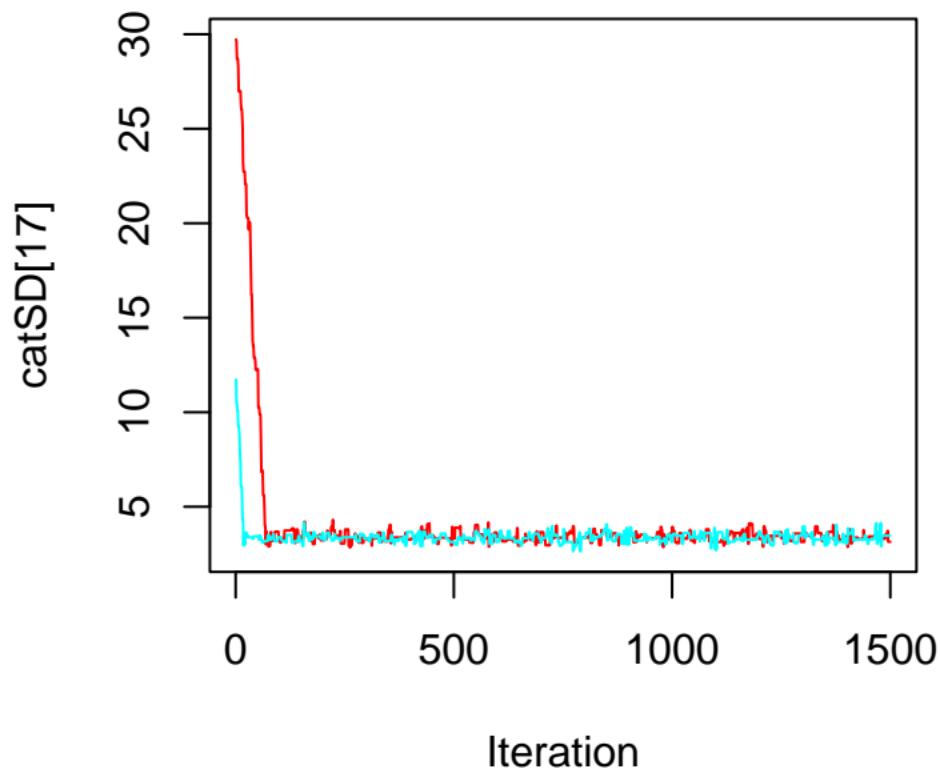
### Chain for catSD[16]



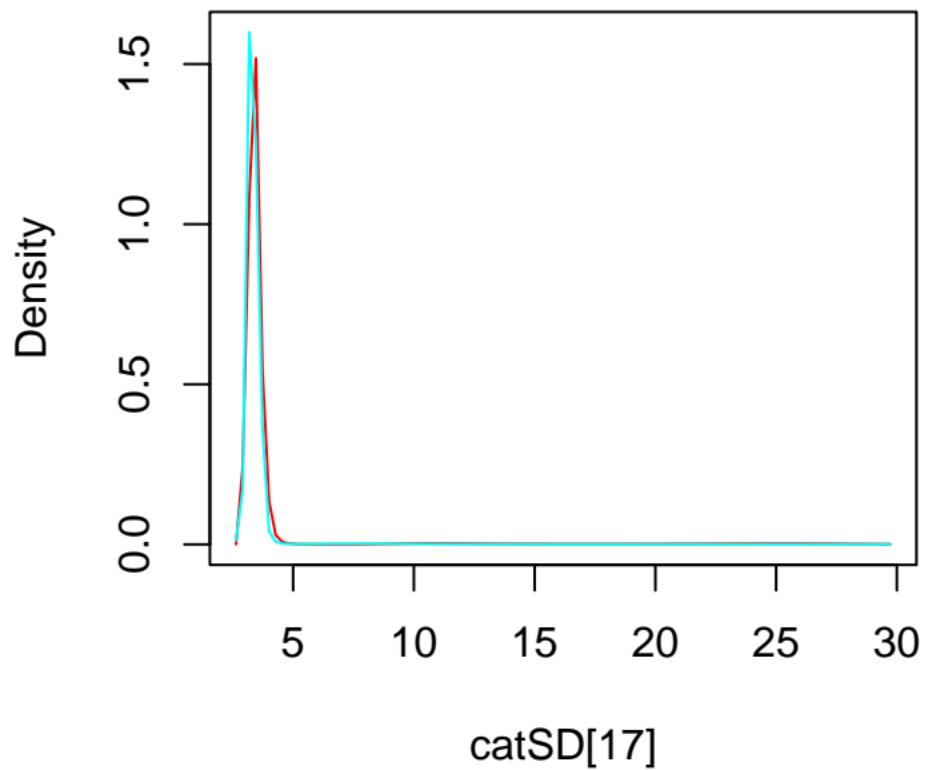
### Density for catSD[16]



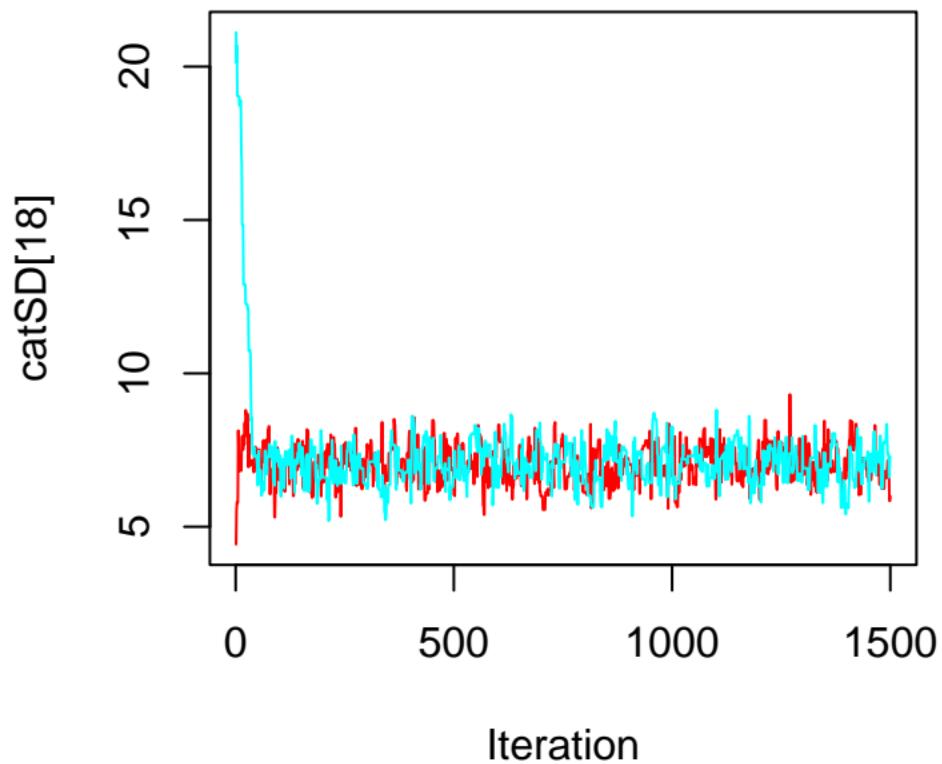
**Chain for catSD[17]**



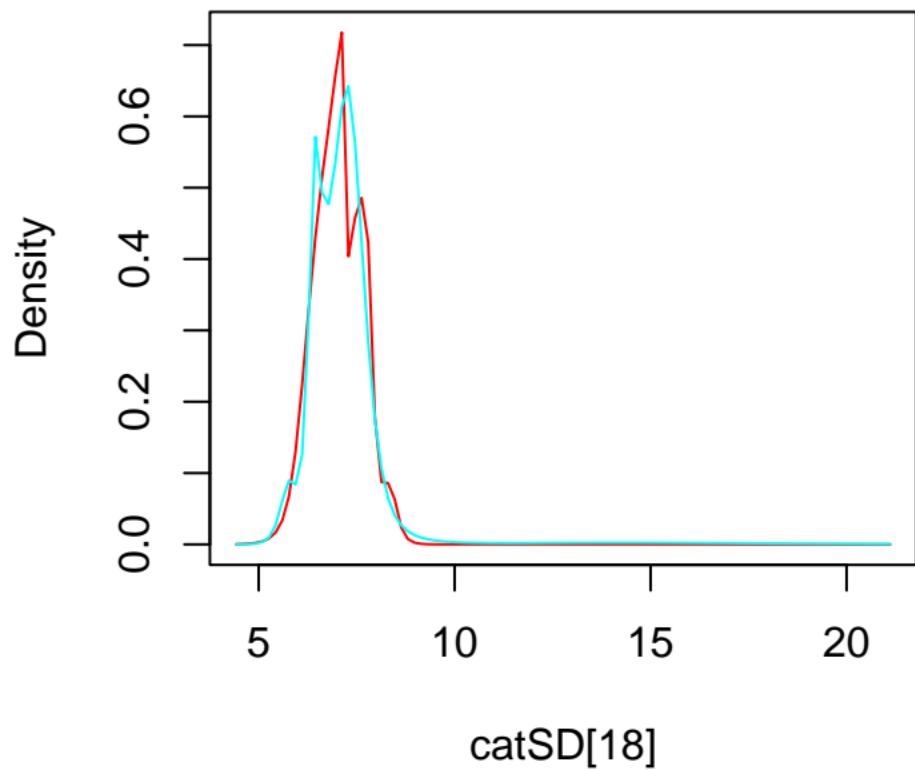
**Density for catSD[17]**



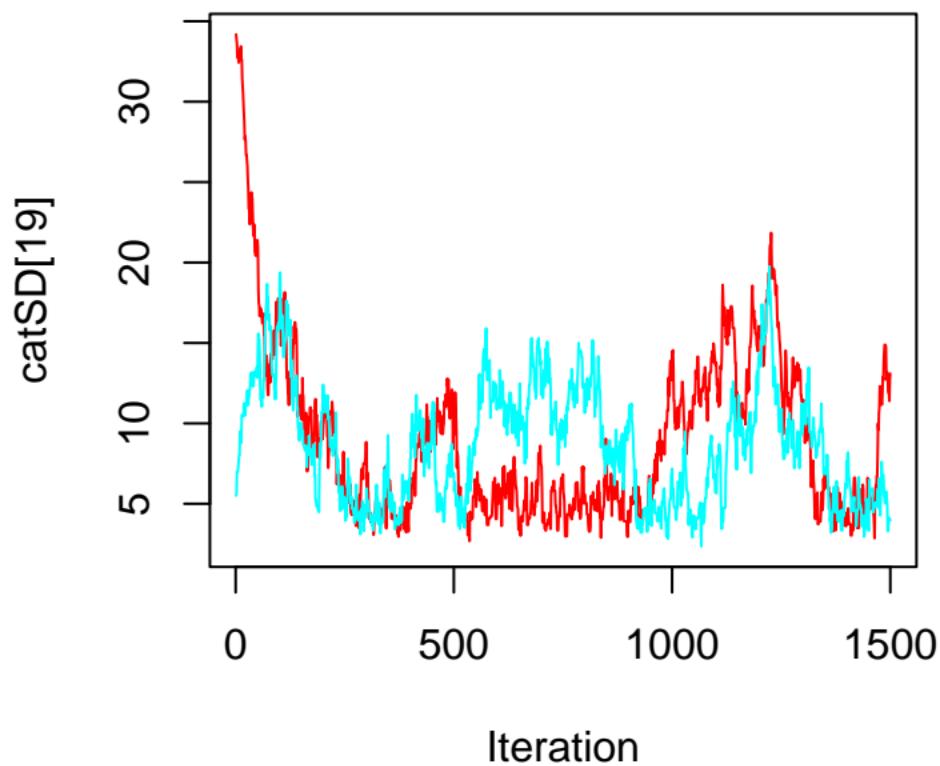
**Chain for catSD[18]**



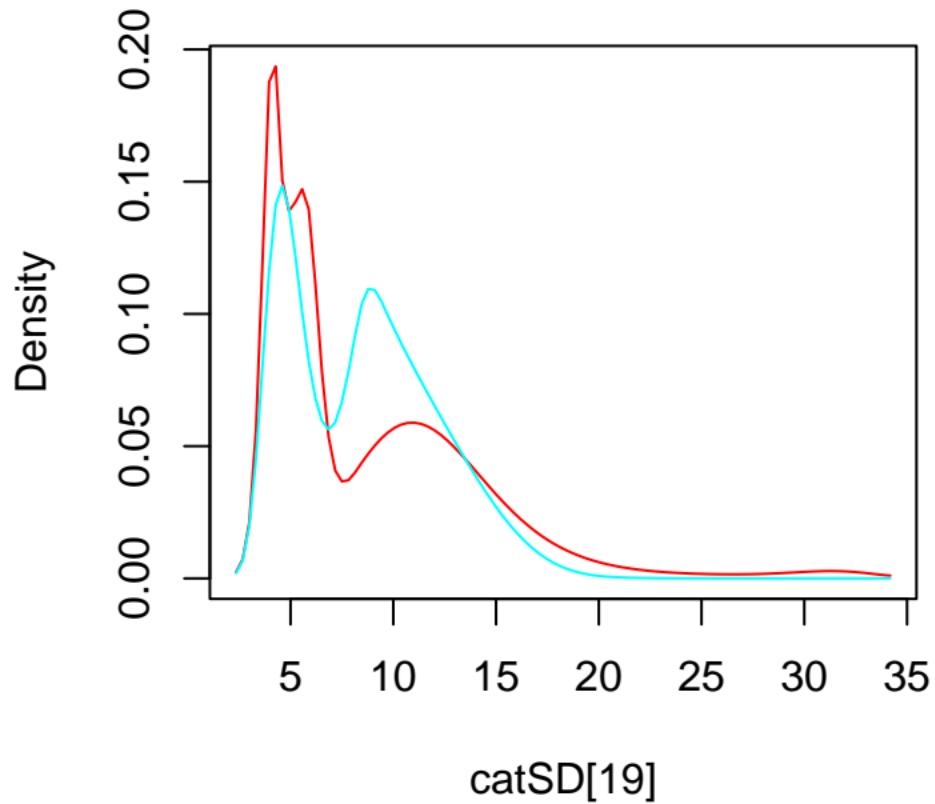
**Density for catSD[18]**



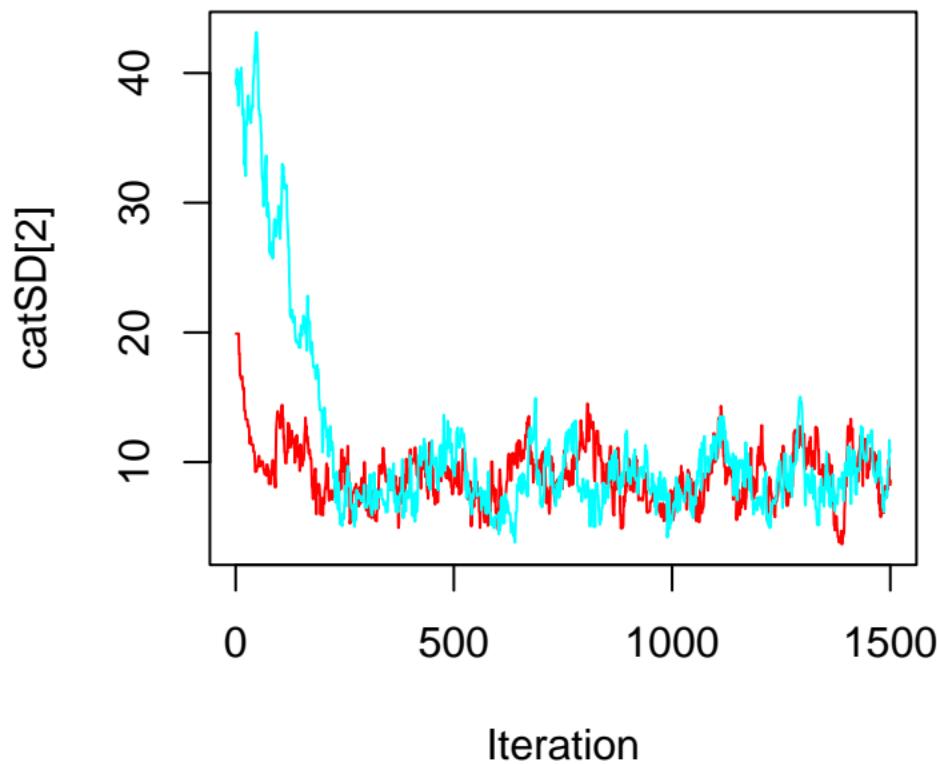
### Chain for catSD[19]



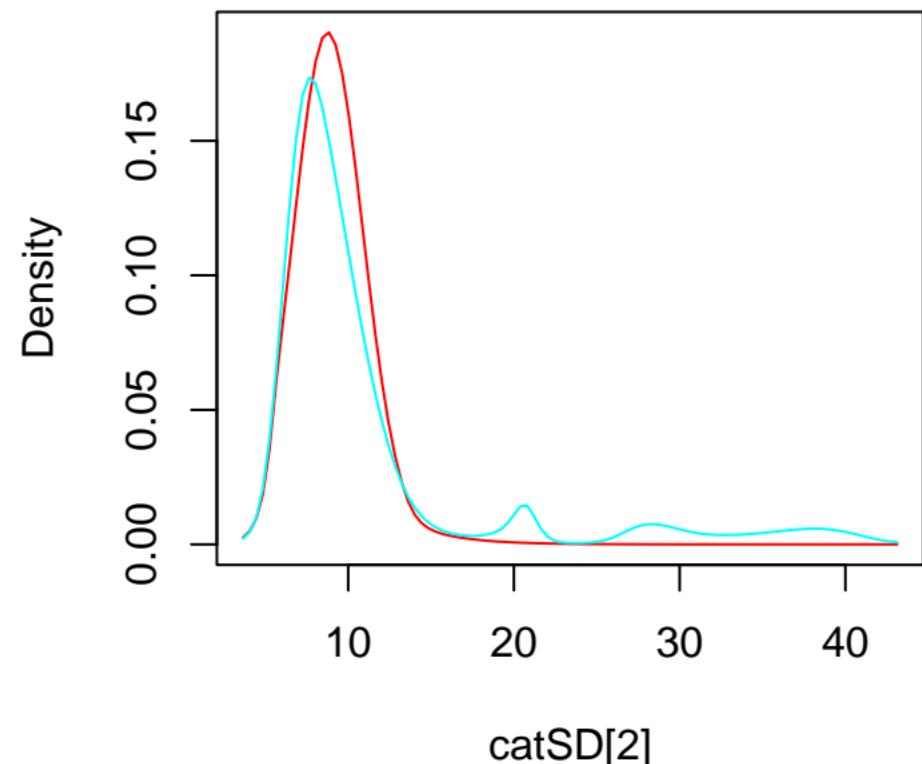
### Density for catSD[19]



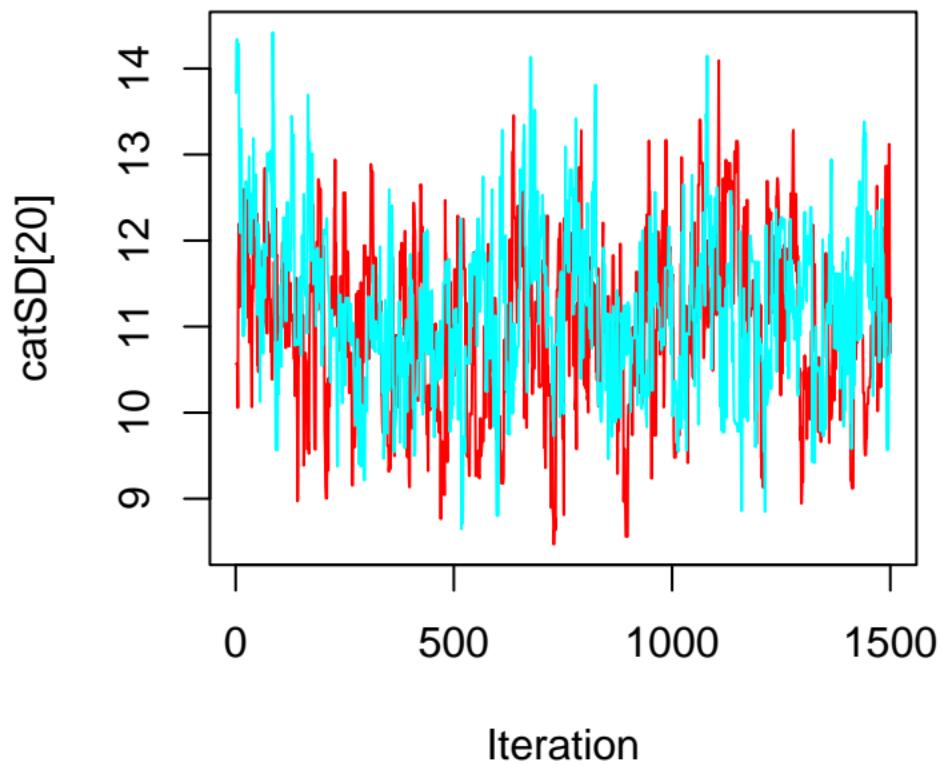
**Chain for catSD[2]**



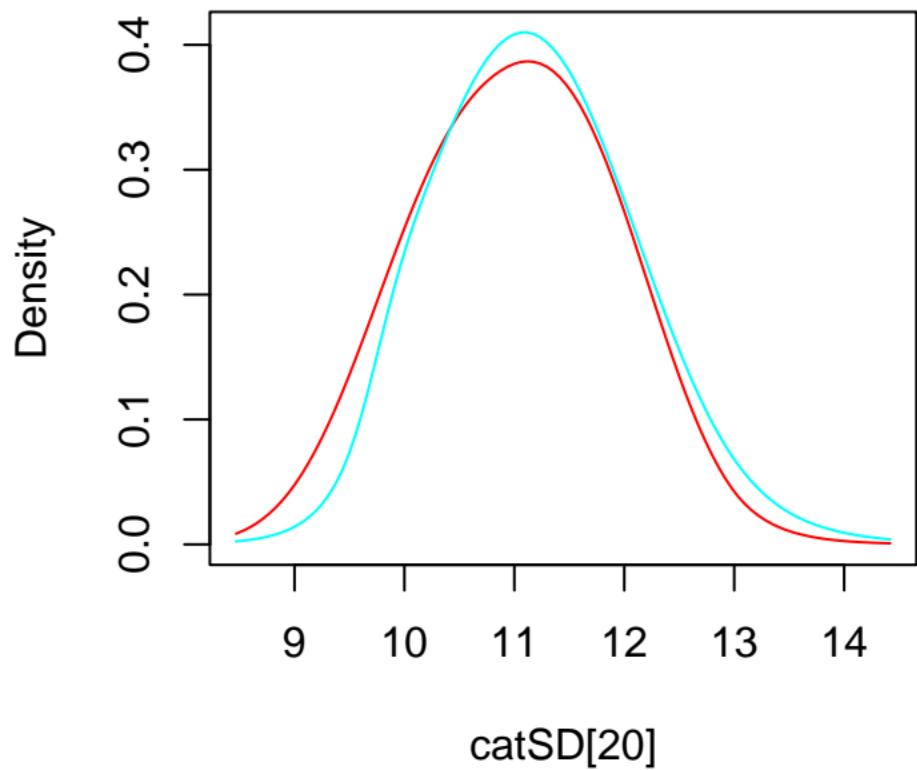
**Density for catSD[2]**



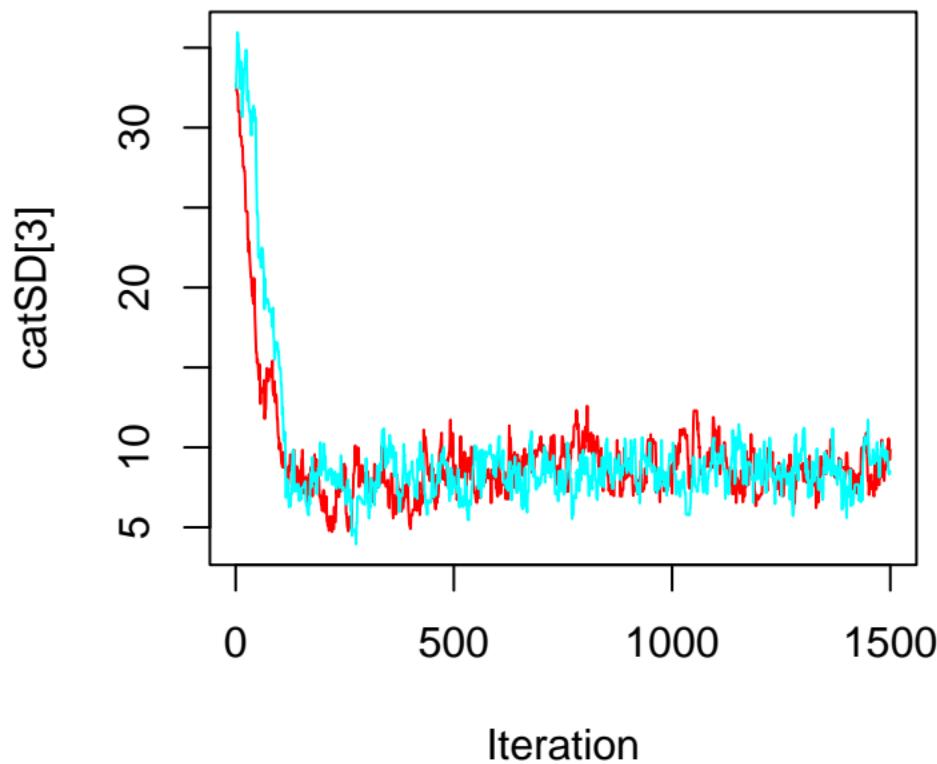
### Chain for catSD[20]



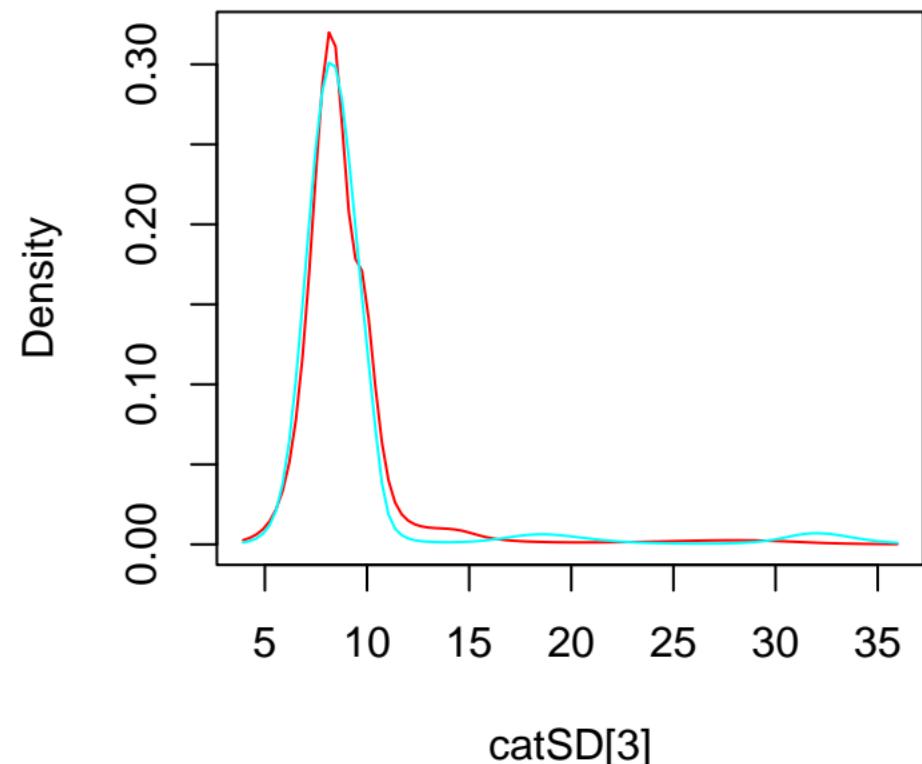
### Density for catSD[20]



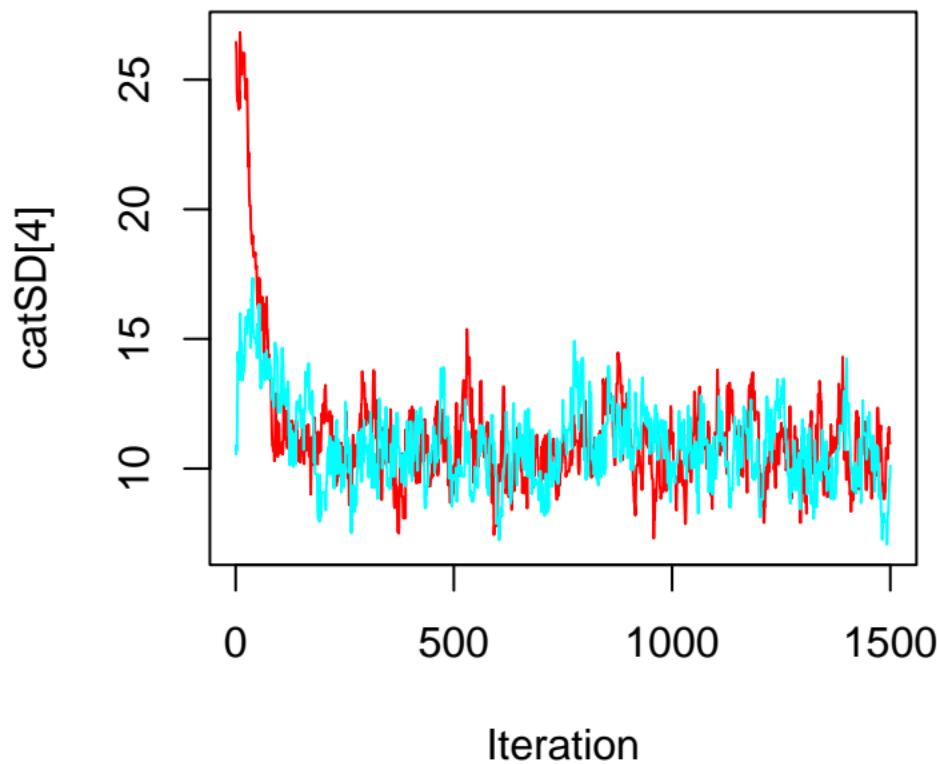
**Chain for catSD[3]**



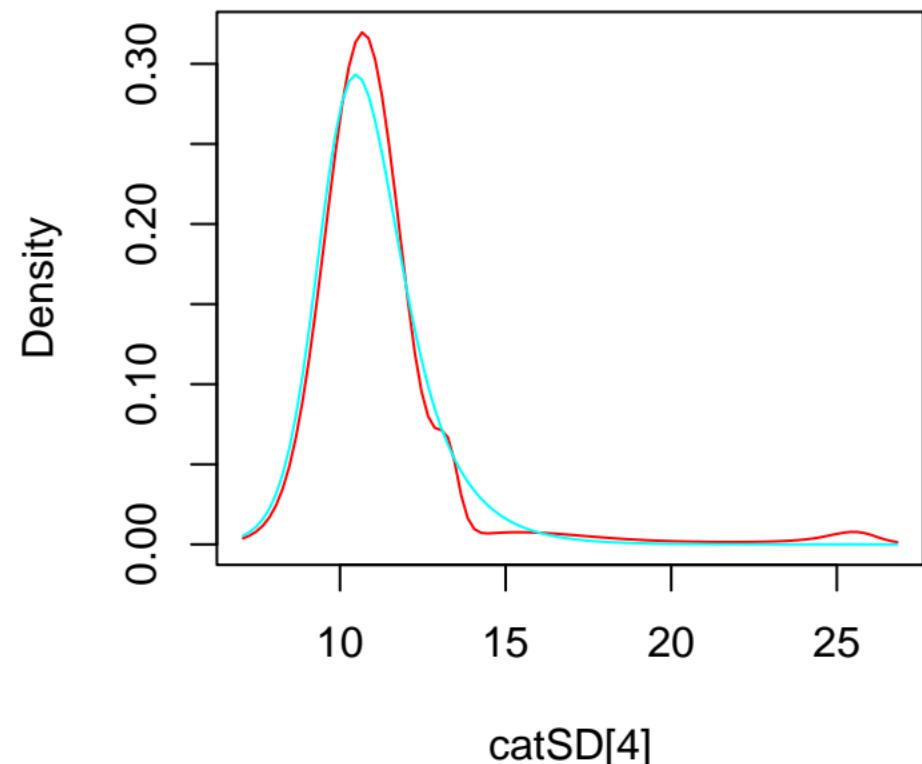
**Density for catSD[3]**



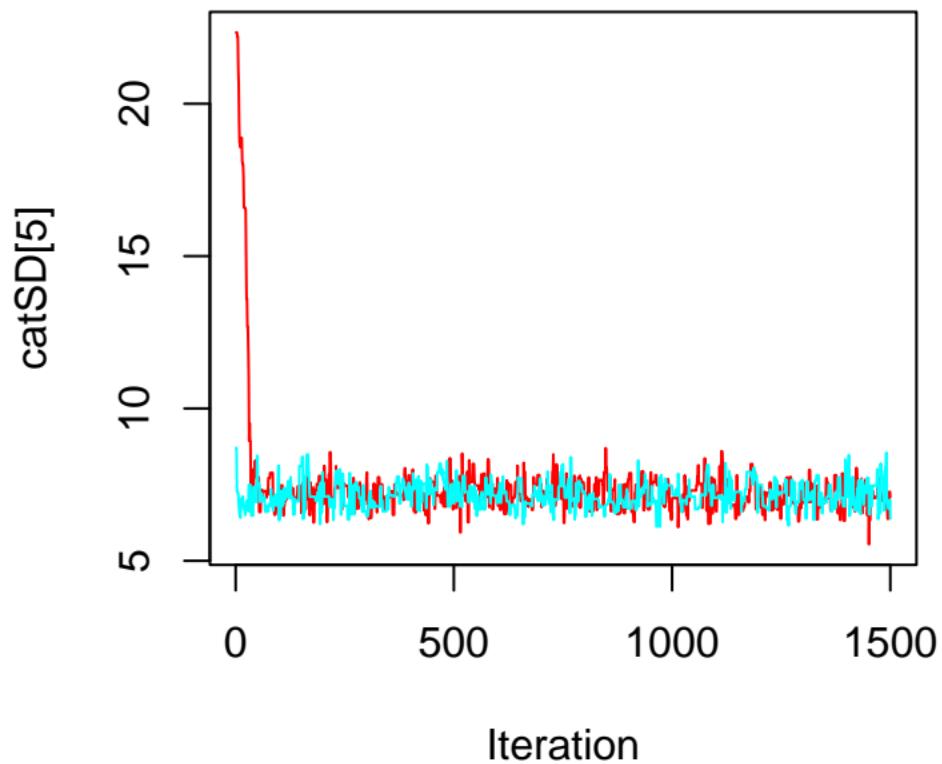
**Chain for catSD[4]**



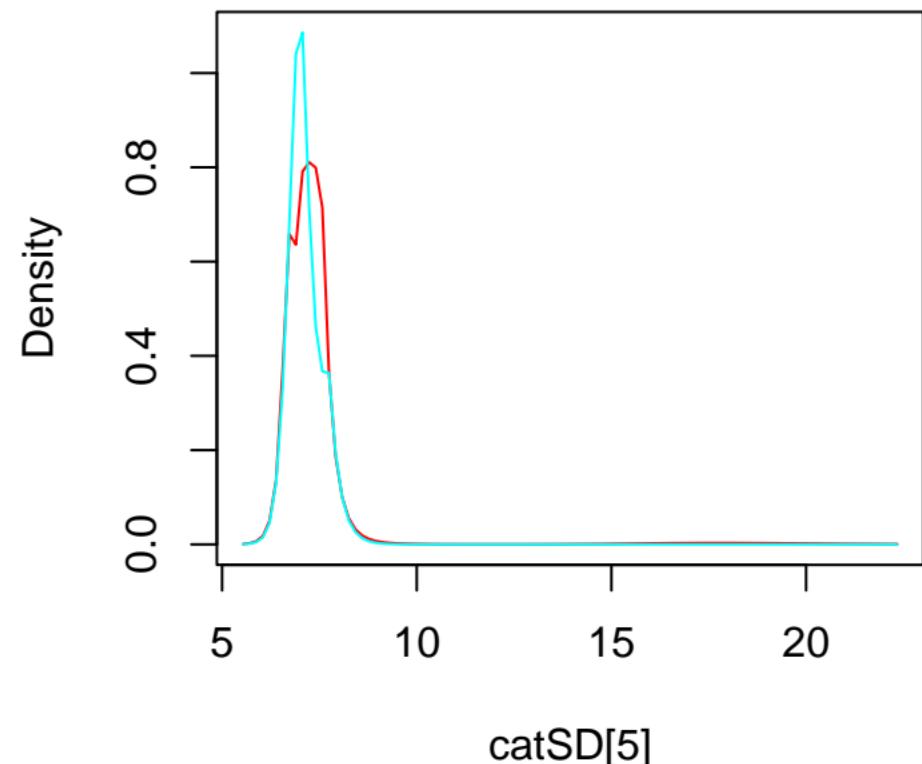
**Density for catSD[4]**



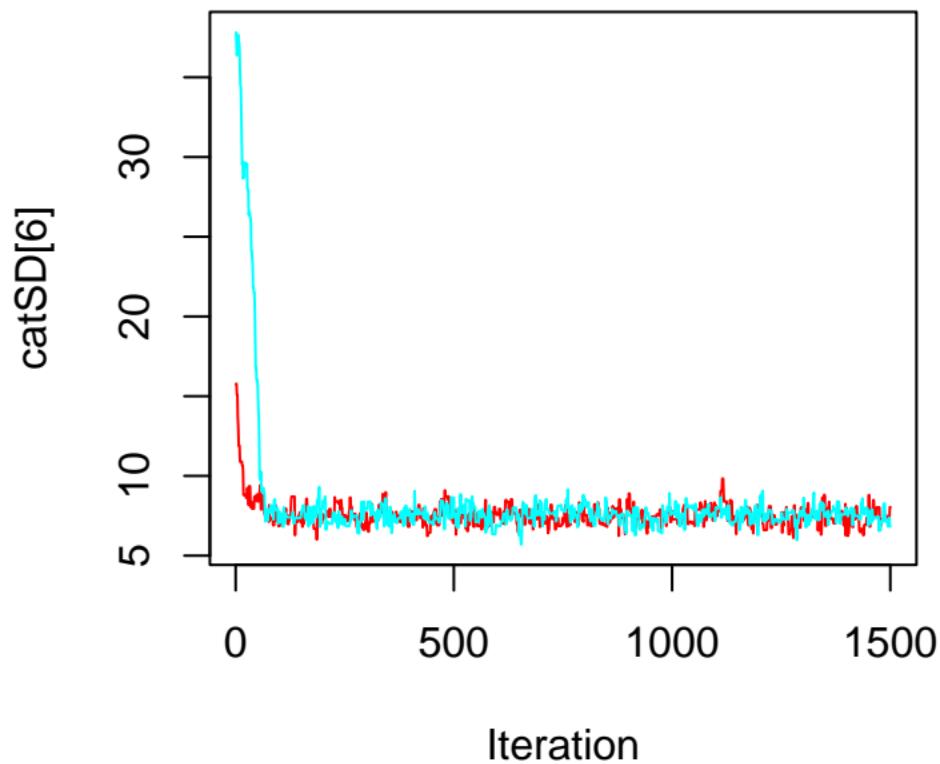
**Chain for catSD[5]**



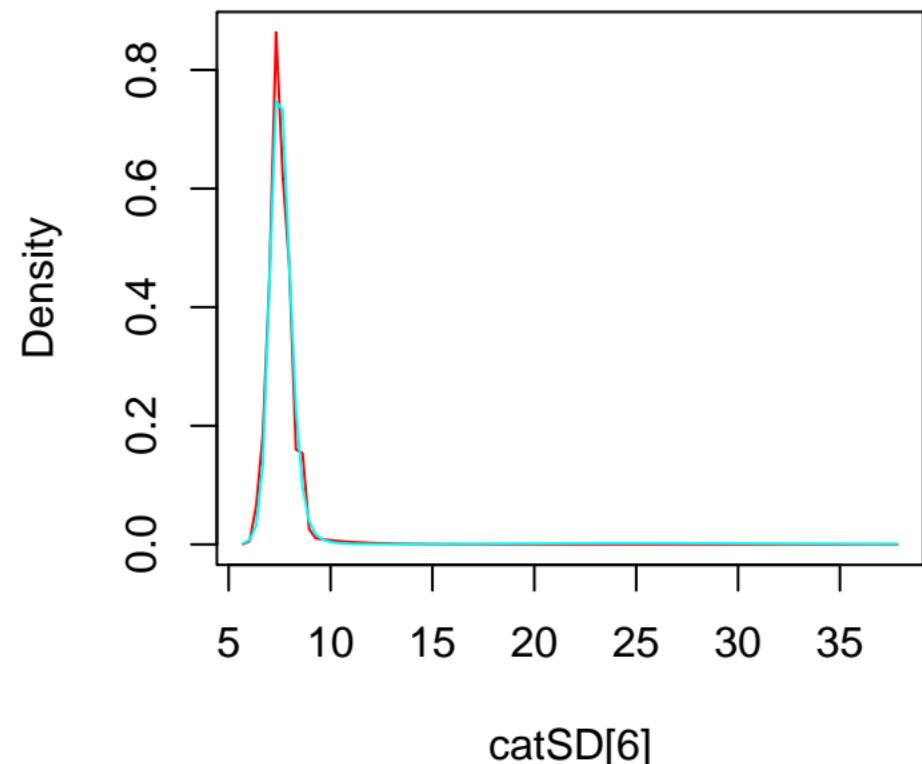
**Density for catSD[5]**



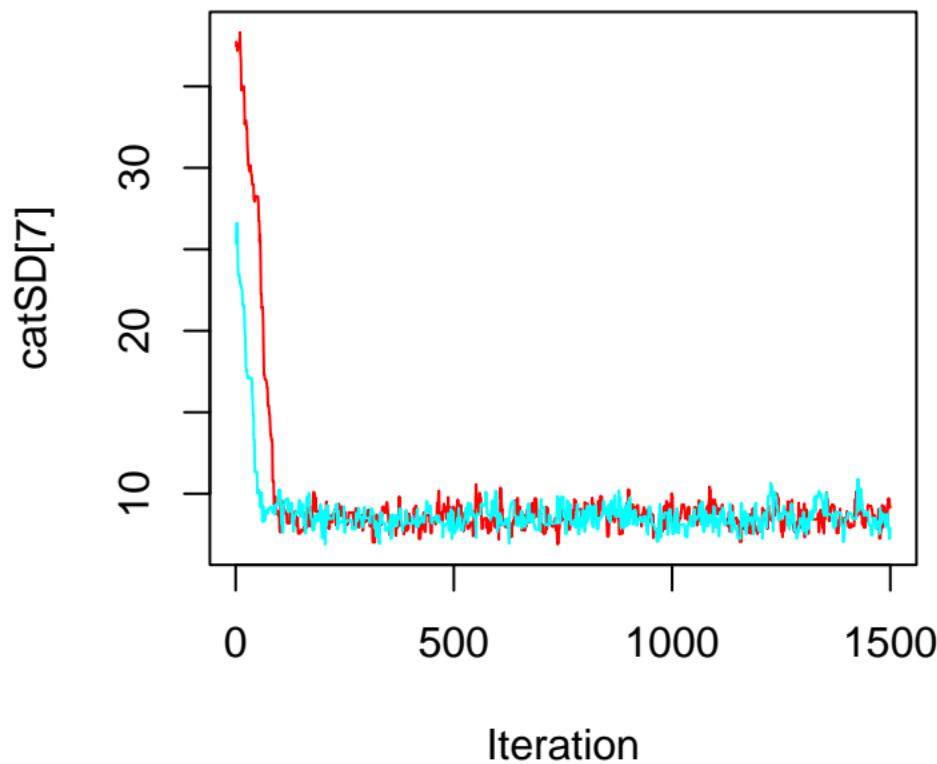
**Chain for catSD[6]**



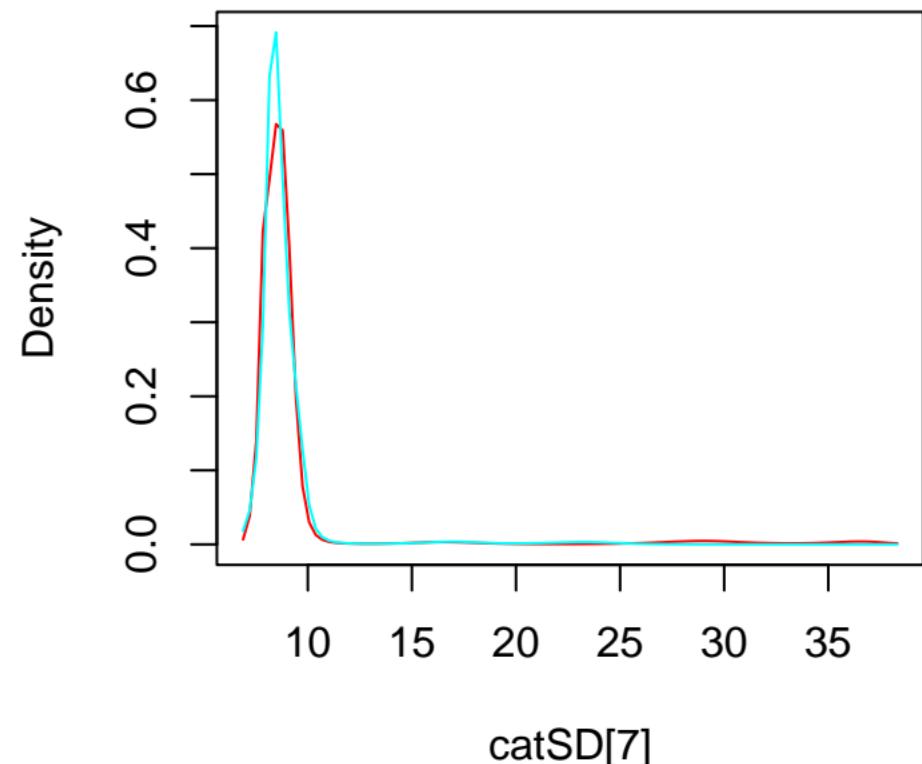
**Density for catSD[6]**



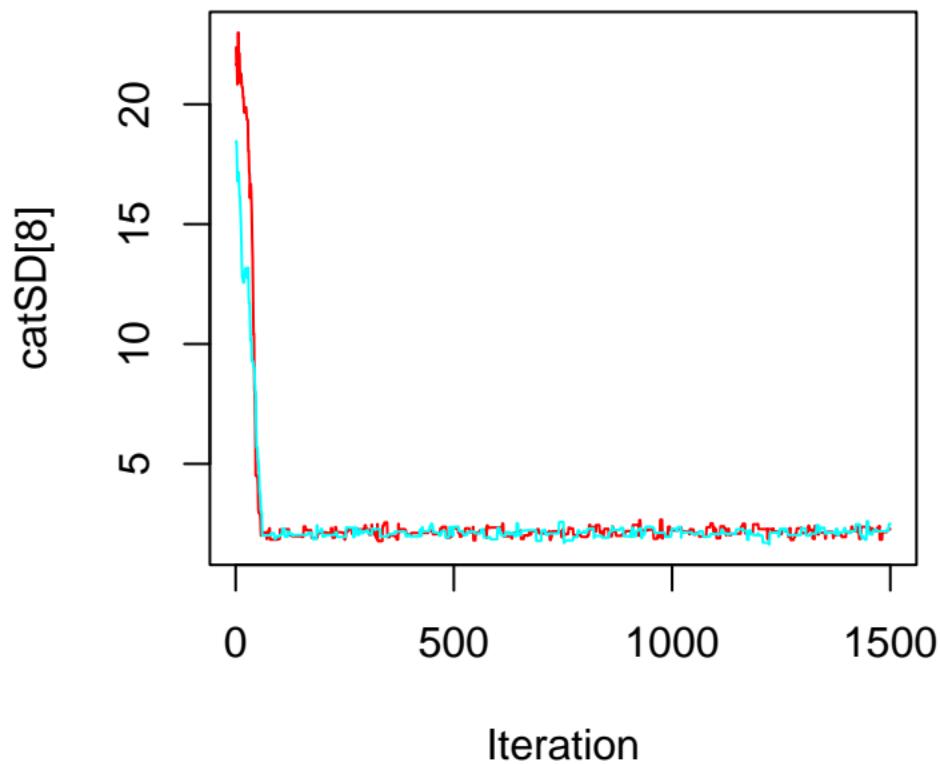
**Chain for catSD[7]**



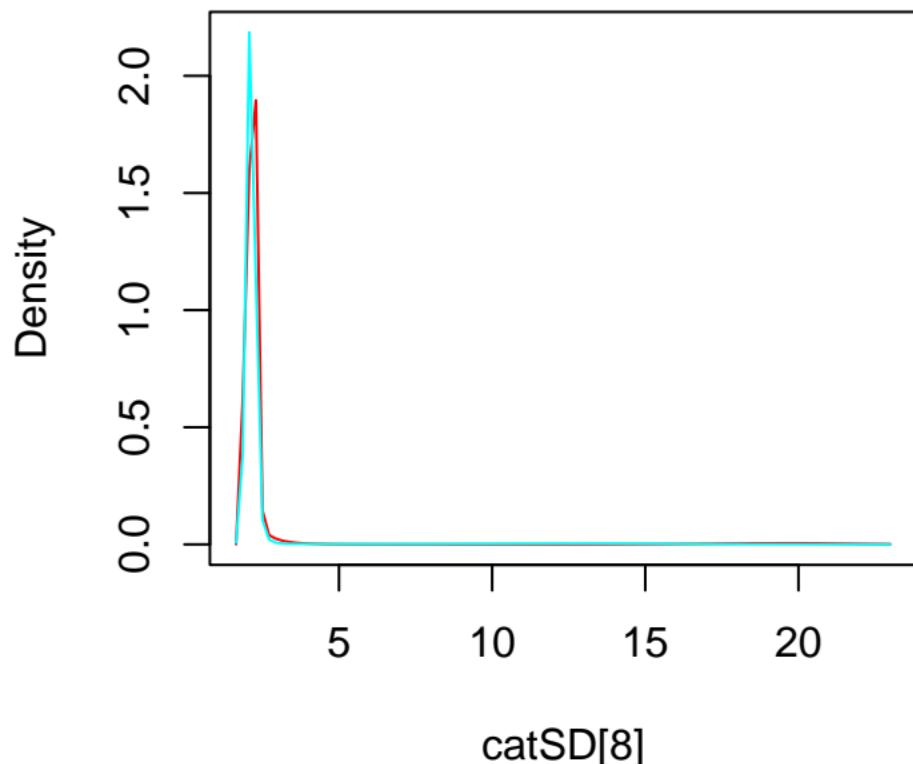
**Density for catSD[7]**



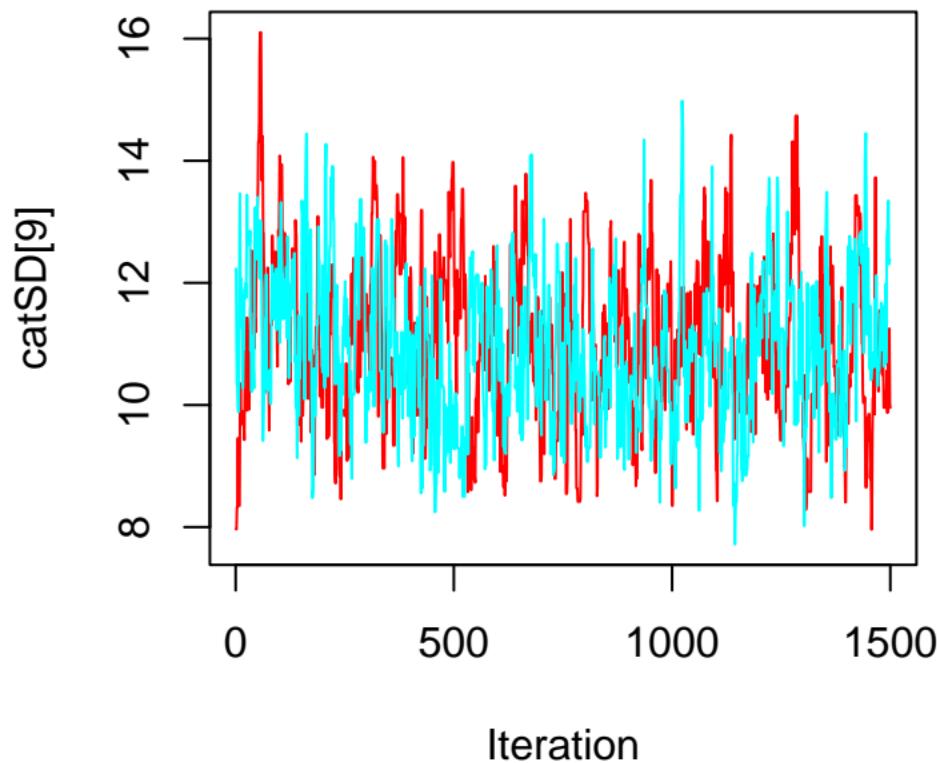
**Chain for catSD[8]**



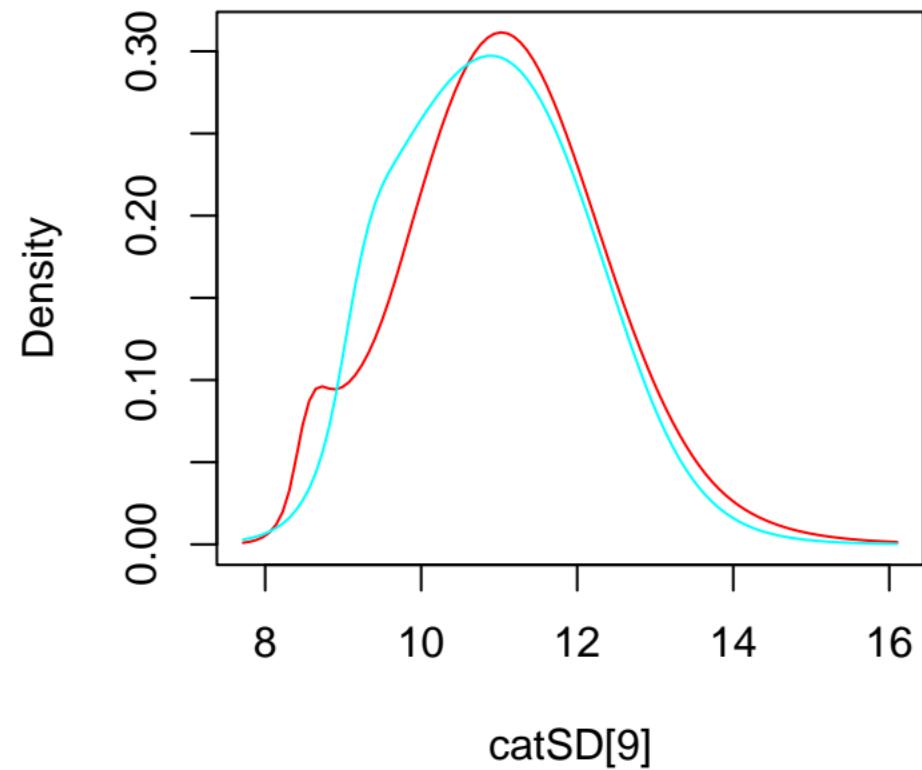
**Density for catSD[8]**



### Chain for catSD[9]



### Density for catSD[9]



# Category Parameters

For each participant there are 2 all-chain plots plus a pair of plots for each chain.

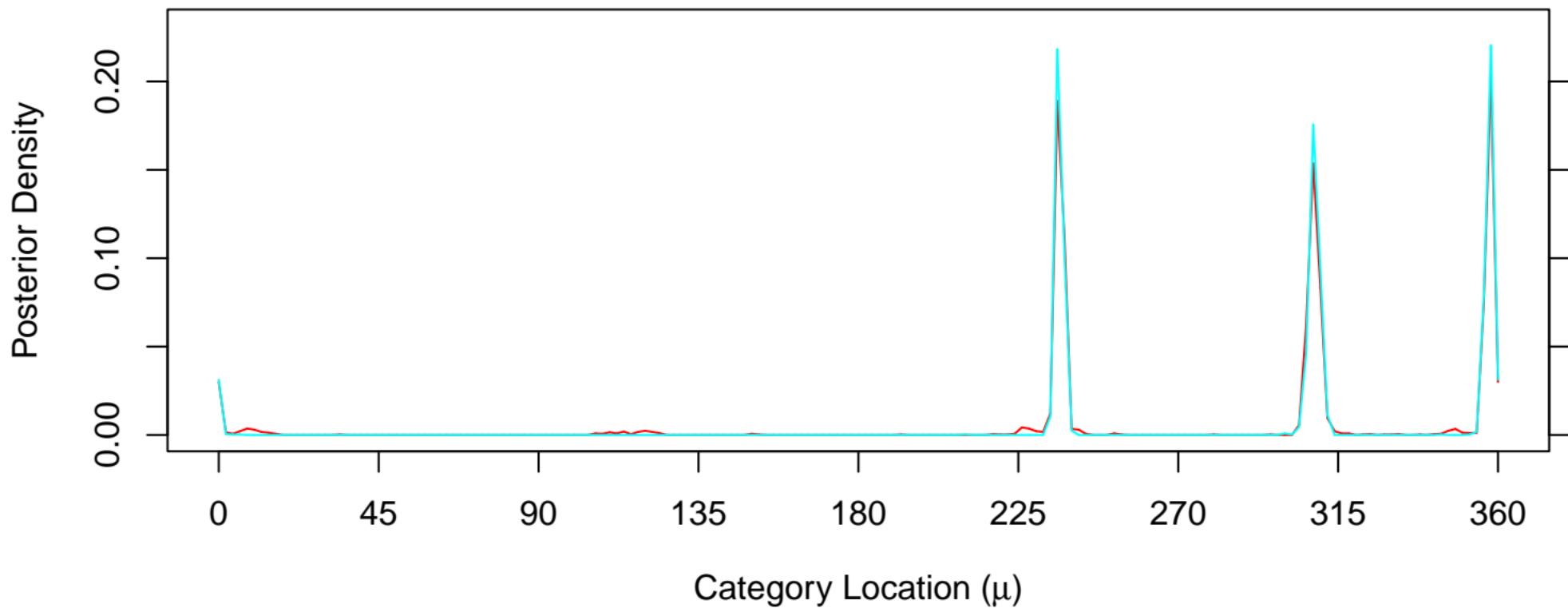
All chains (wide plots): Density for active catMu; sum of catActive per iteration.

Each chain (pair of plots): catMu scatterplot; catActive sum

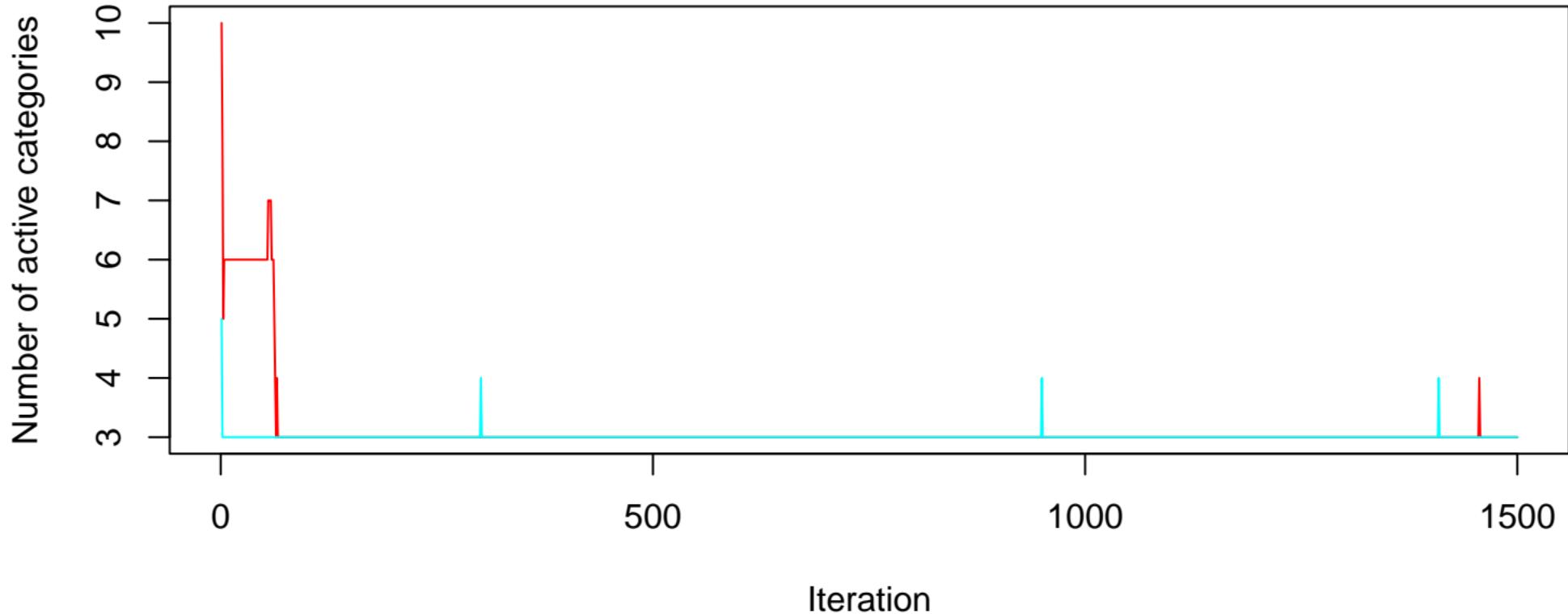
catMu scatterplot colors indicate how many iterations the category has been active for.

>> Red = 1 iteration, blue = 50 or more iterations.

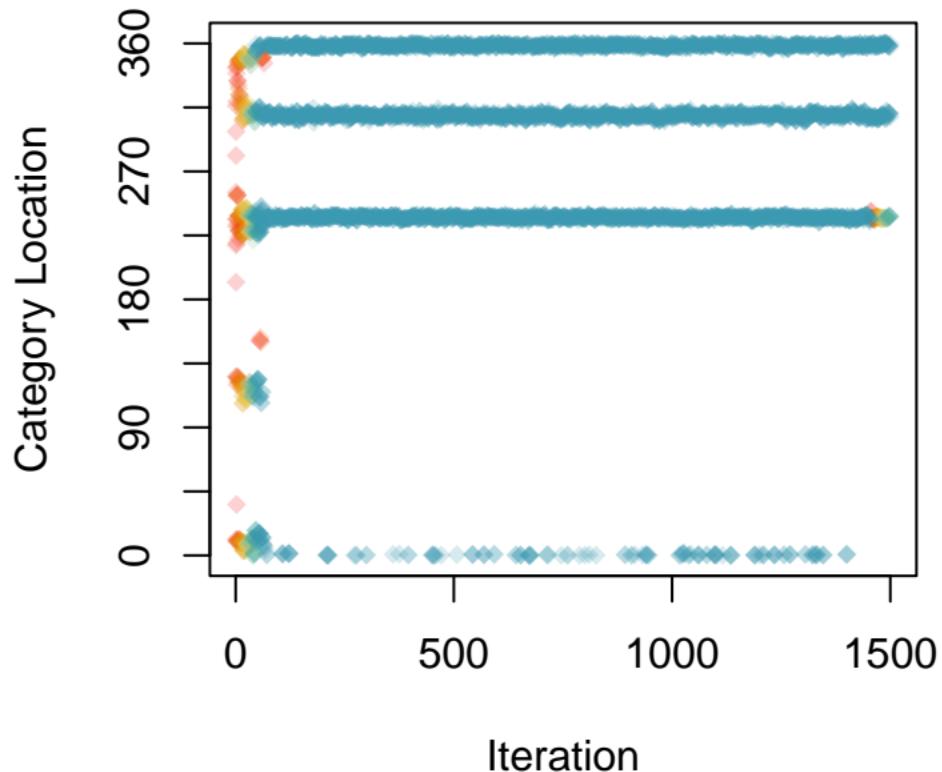
## Active catMu for pnum:1



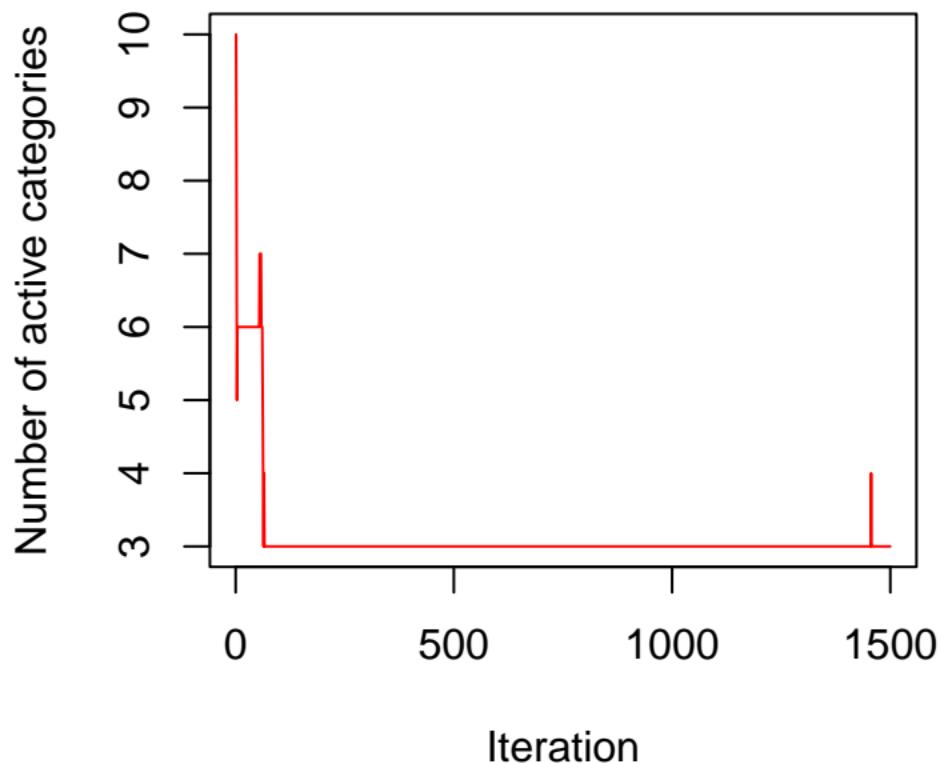
## Sum of catActive for pnum:1



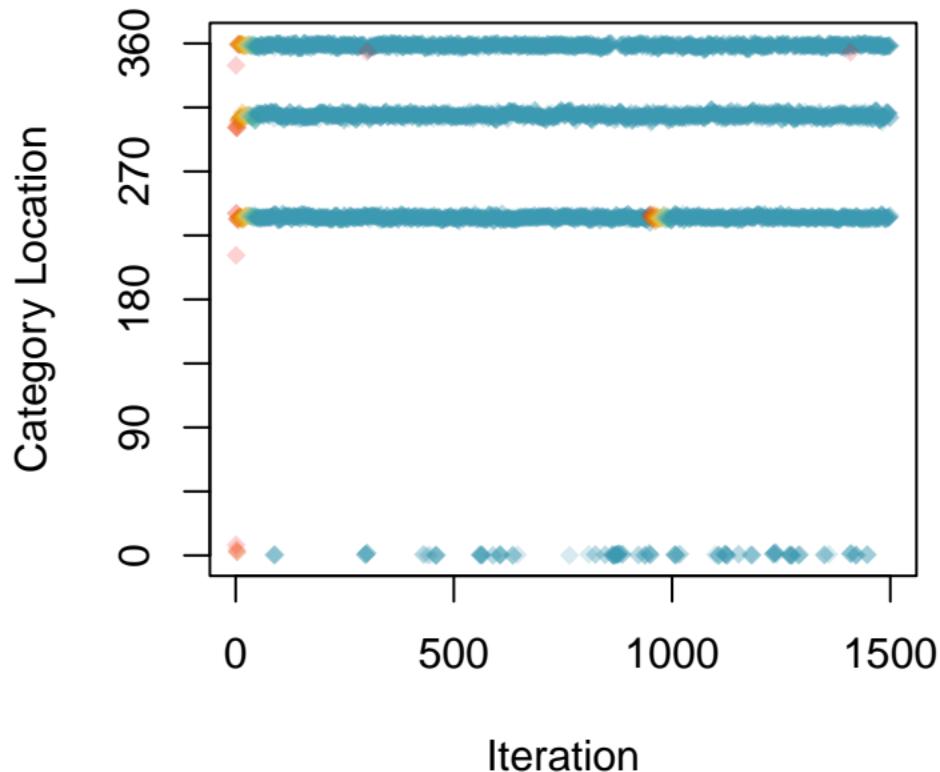
### Active catMu for pnum:1



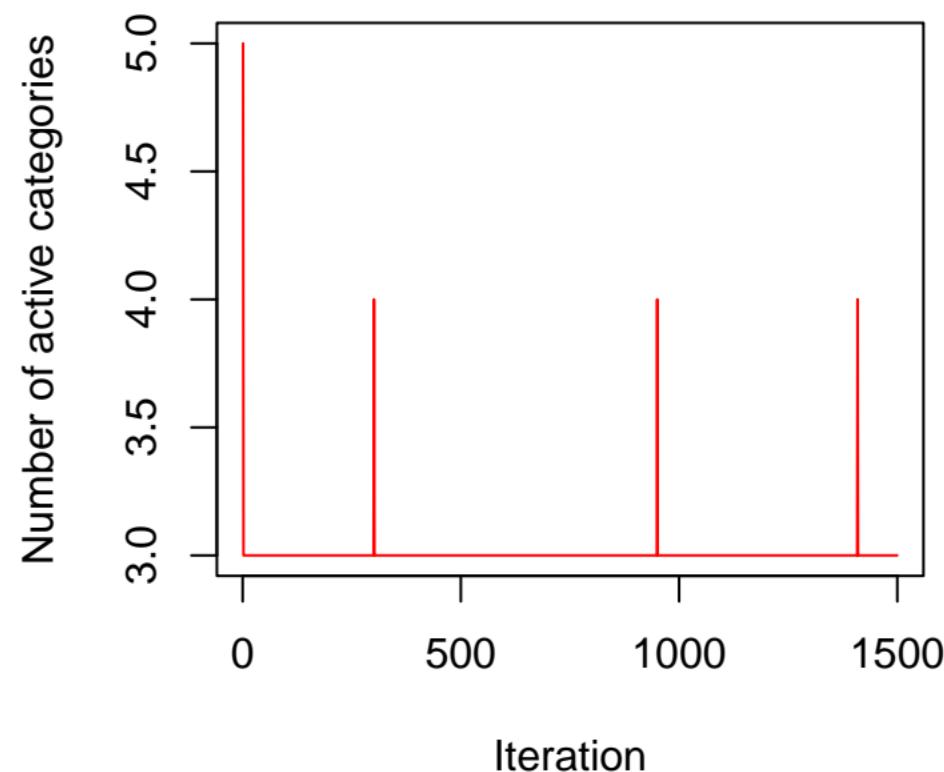
### Sum of catActive for pnum:1



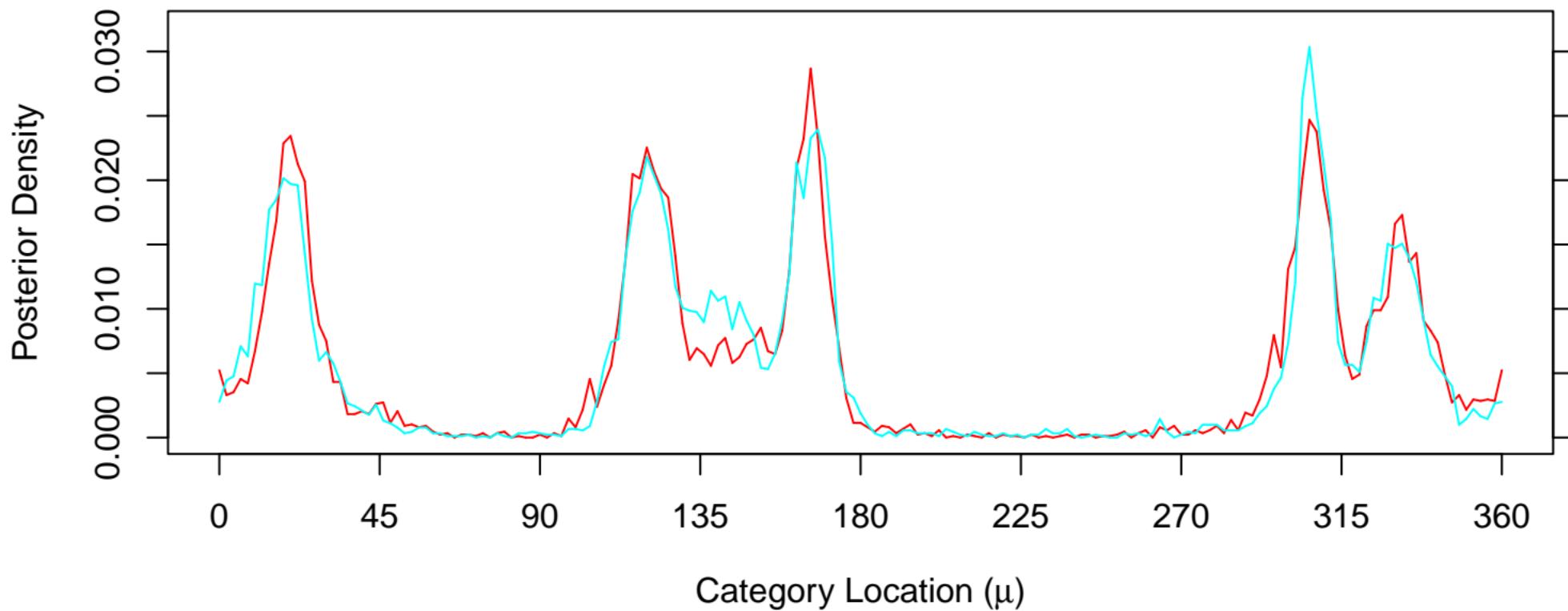
### Active catMu for pnum:1



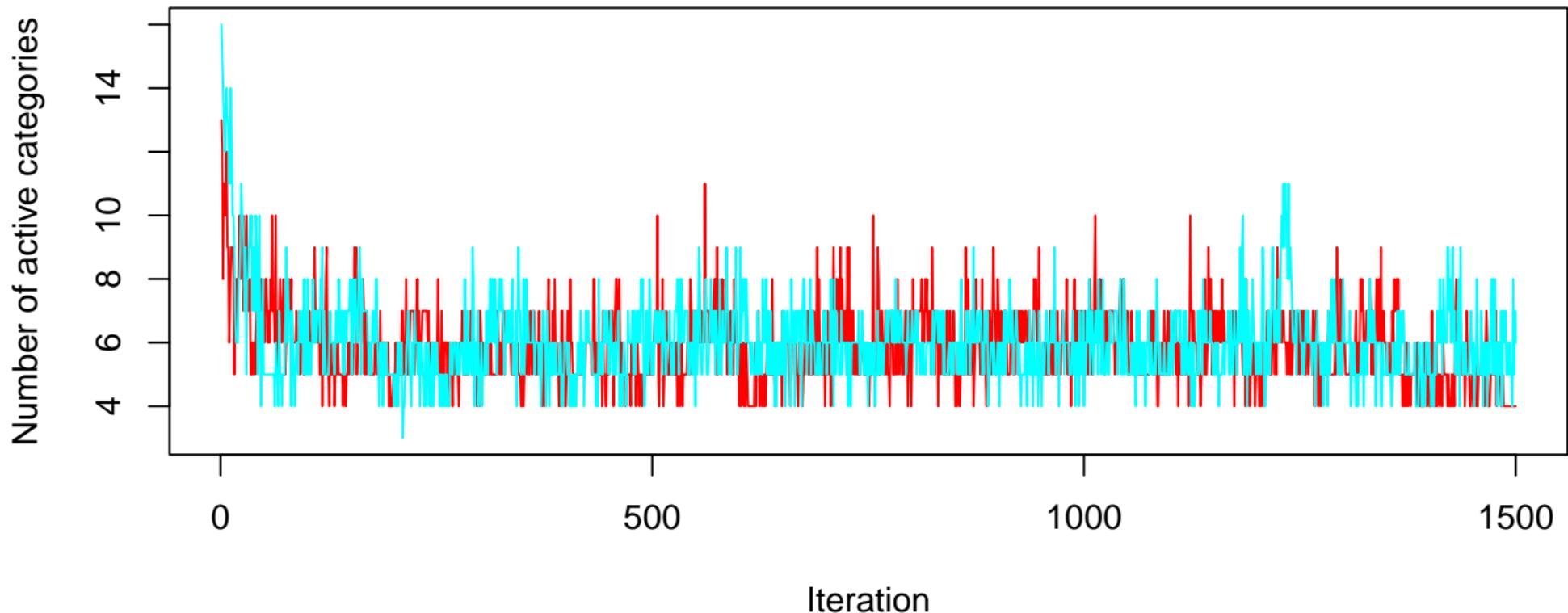
### Sum of catActive for pnum:1



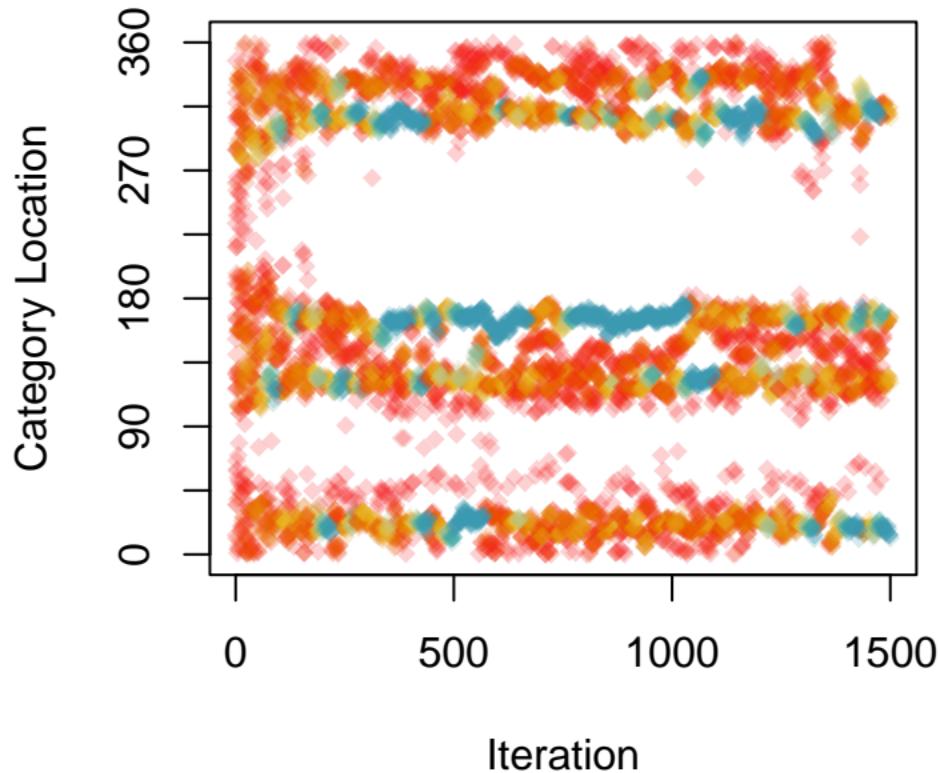
## Active catMu for pnum:10



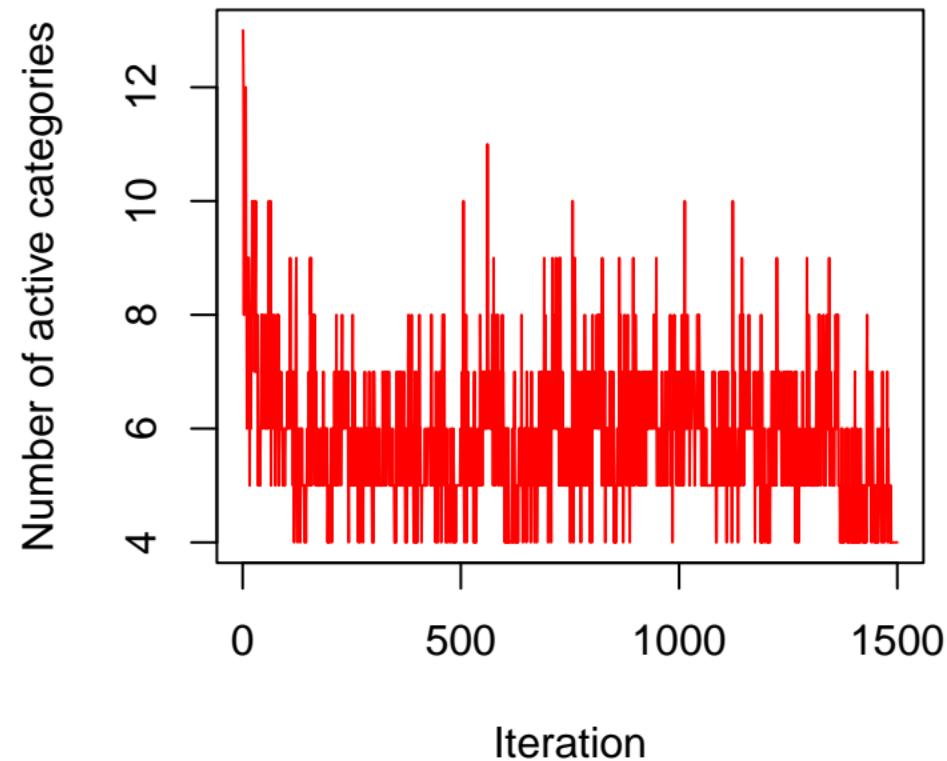
## Sum of catActive for pnum:10



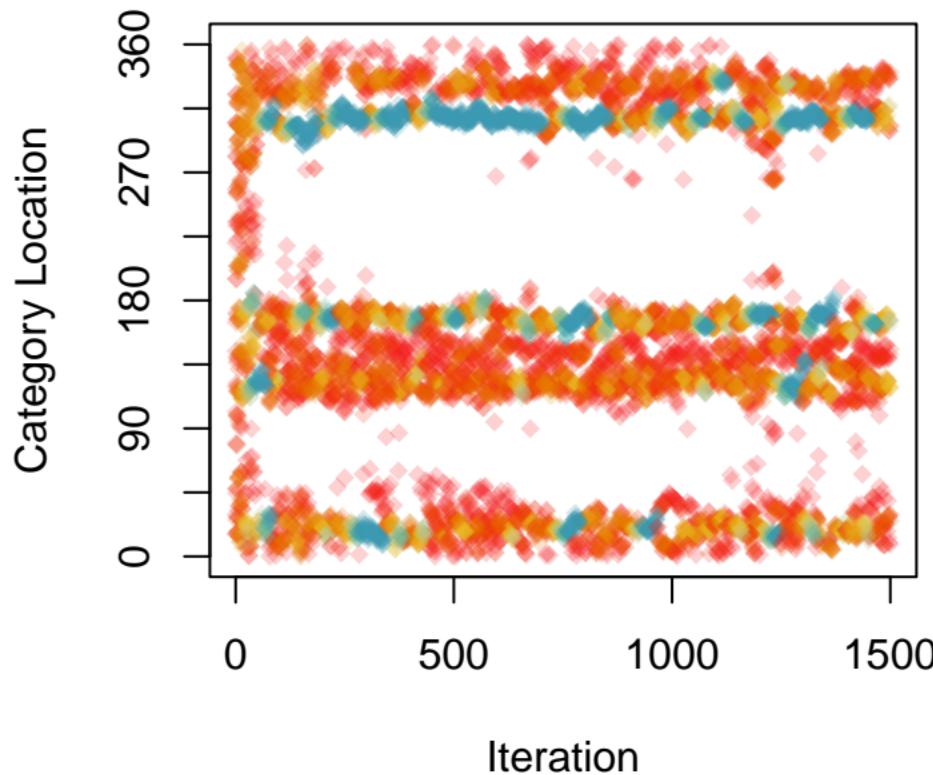
### Active catMu for pnum:10



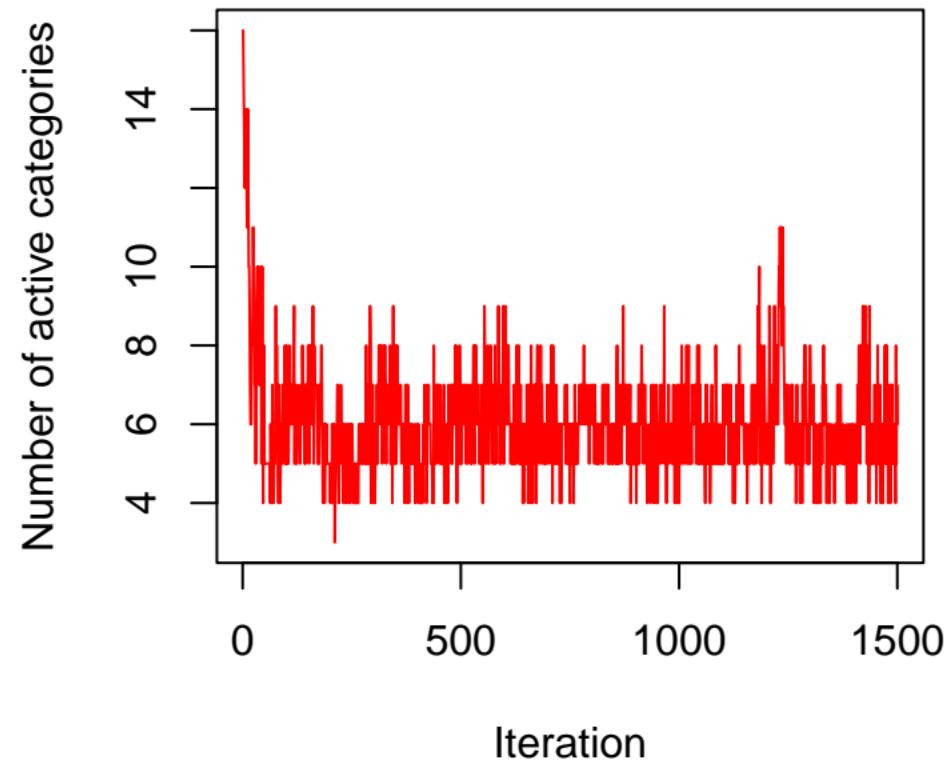
### Sum of catActive for pnum:10



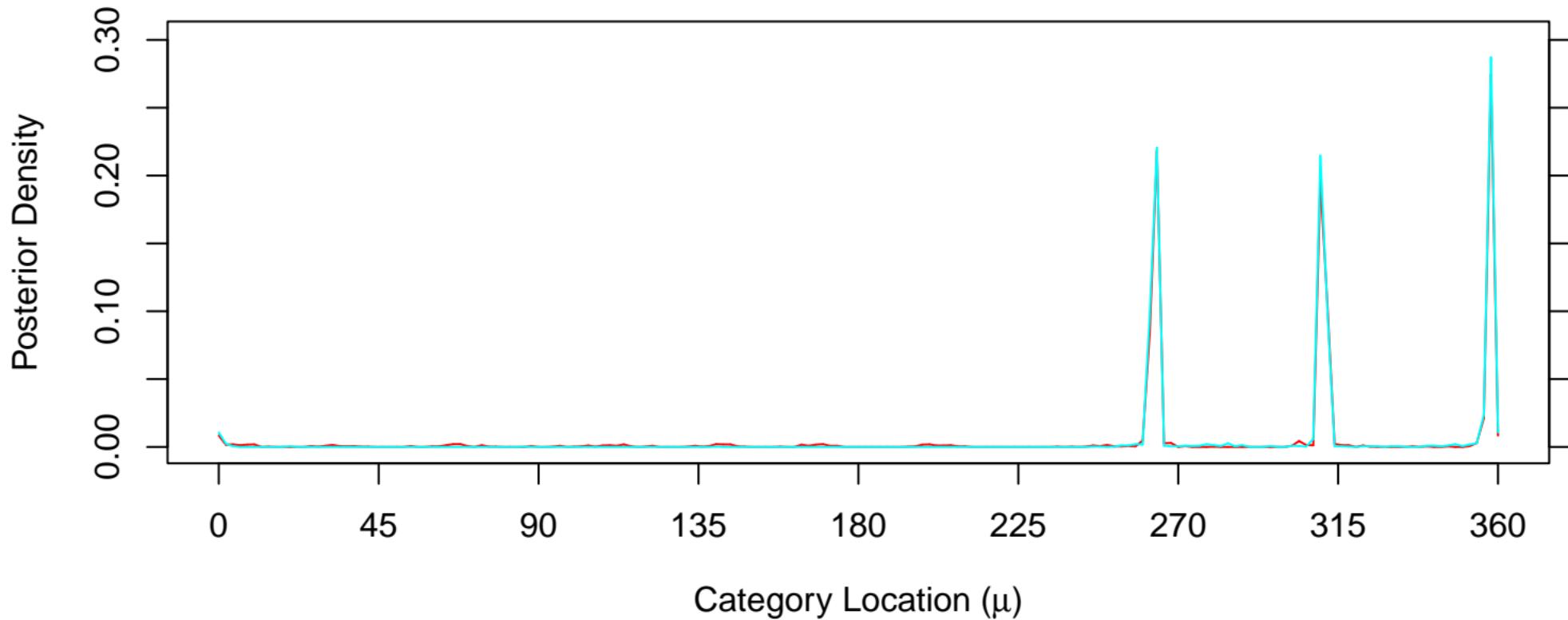
### Active catMu for pnum:10



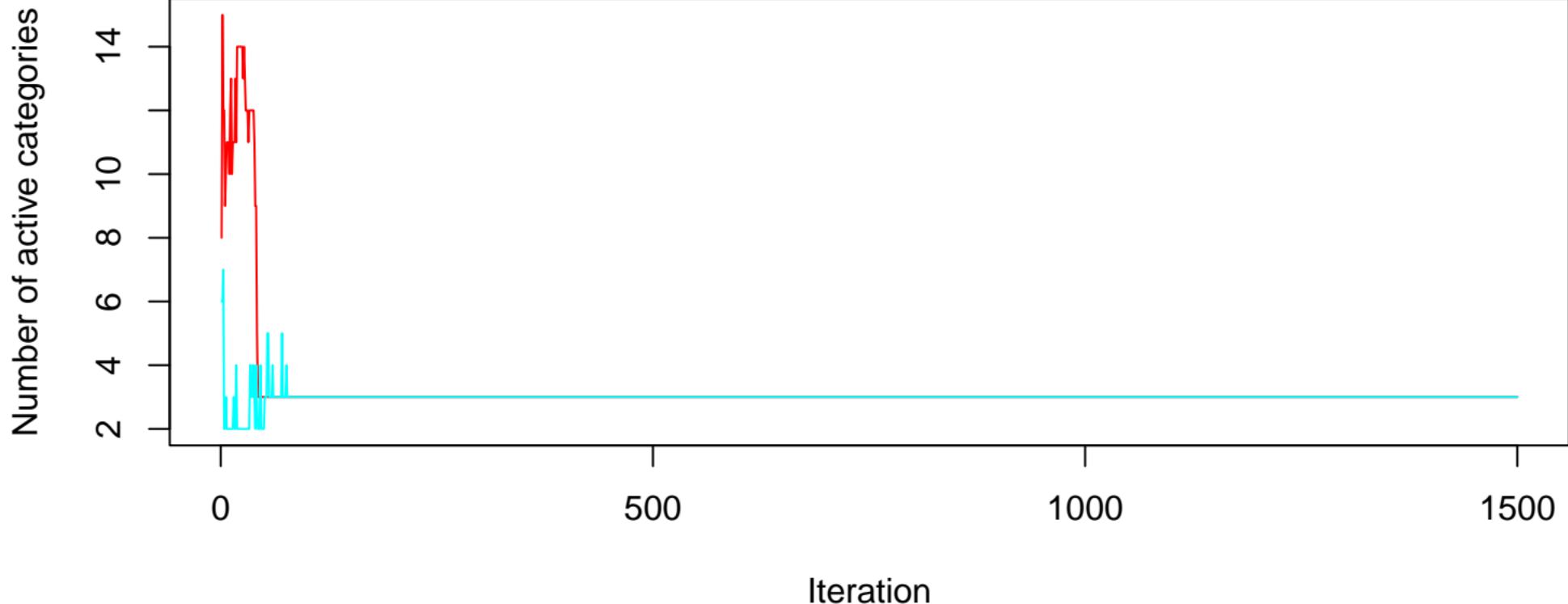
### Sum of catActive for pnum:10



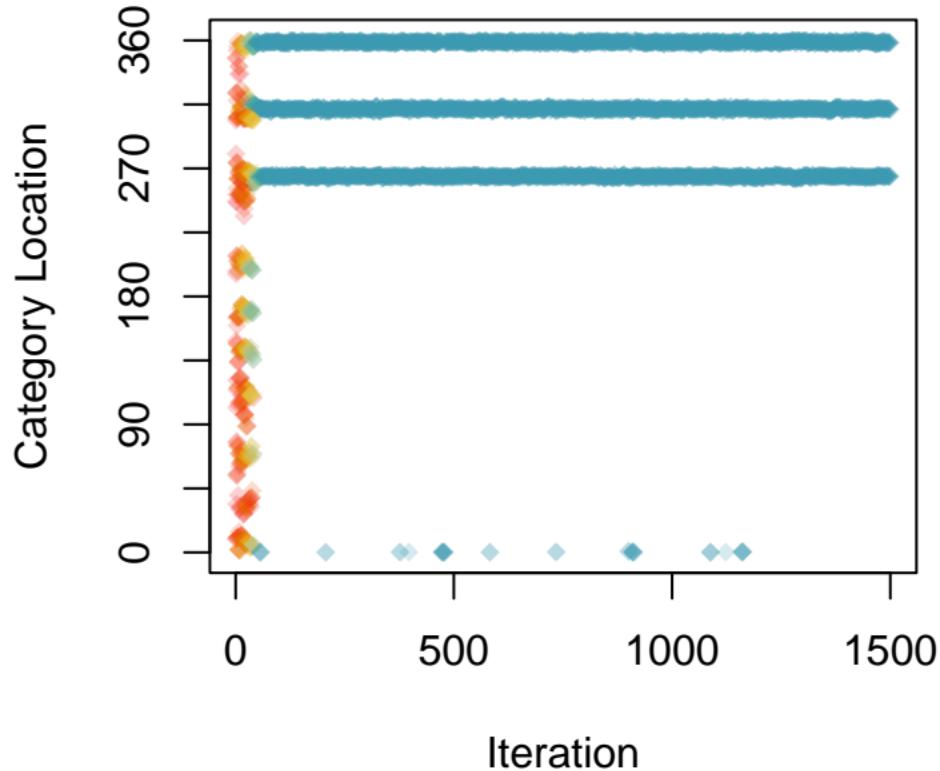
## Active catMu for pnum:11



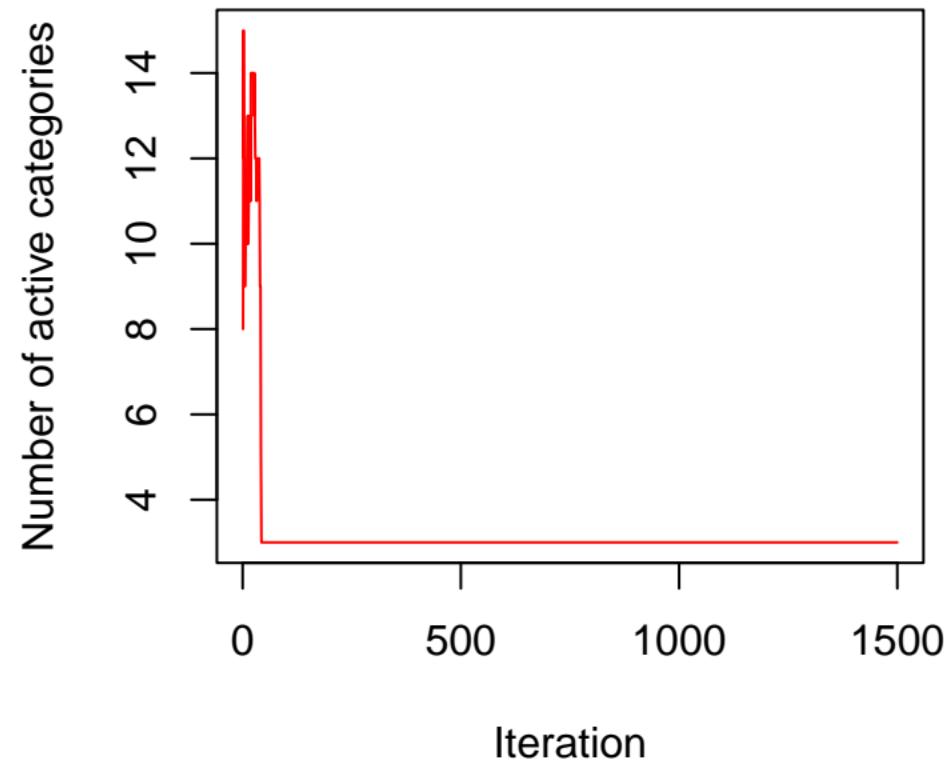
## Sum of catActive for pnum:11



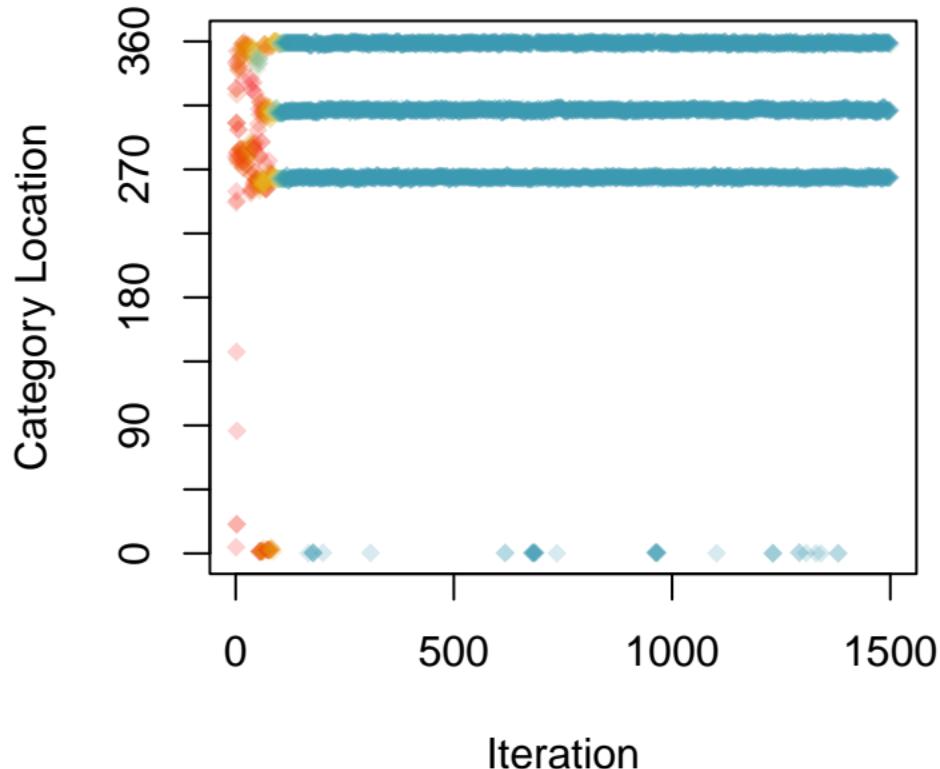
### Active catMu for pnum:11



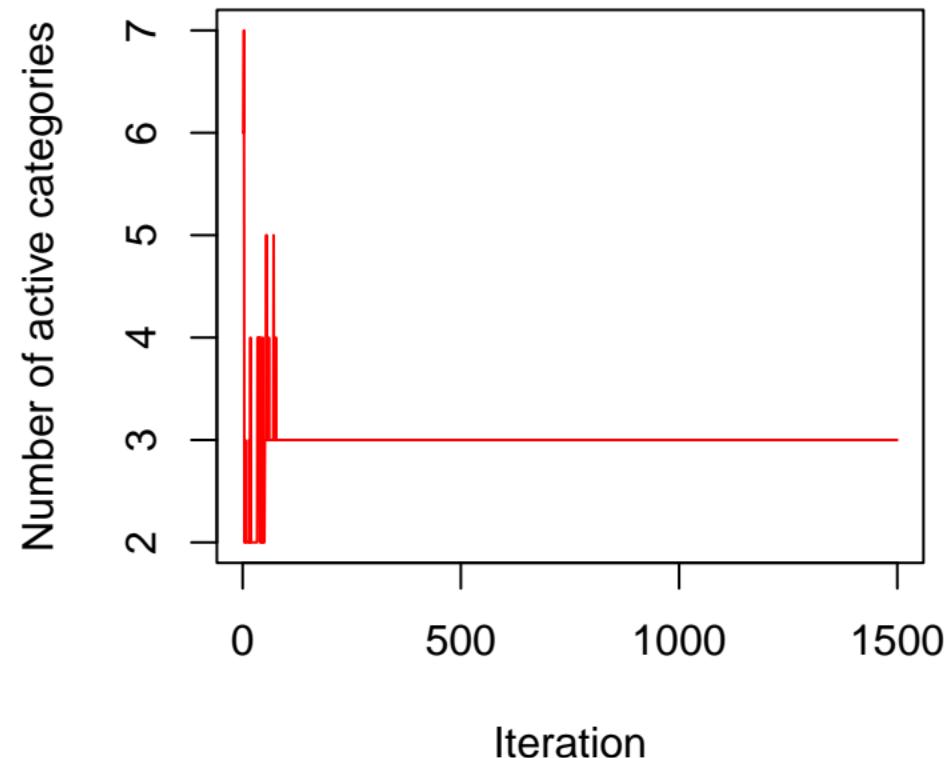
### Sum of catActive for pnum:11



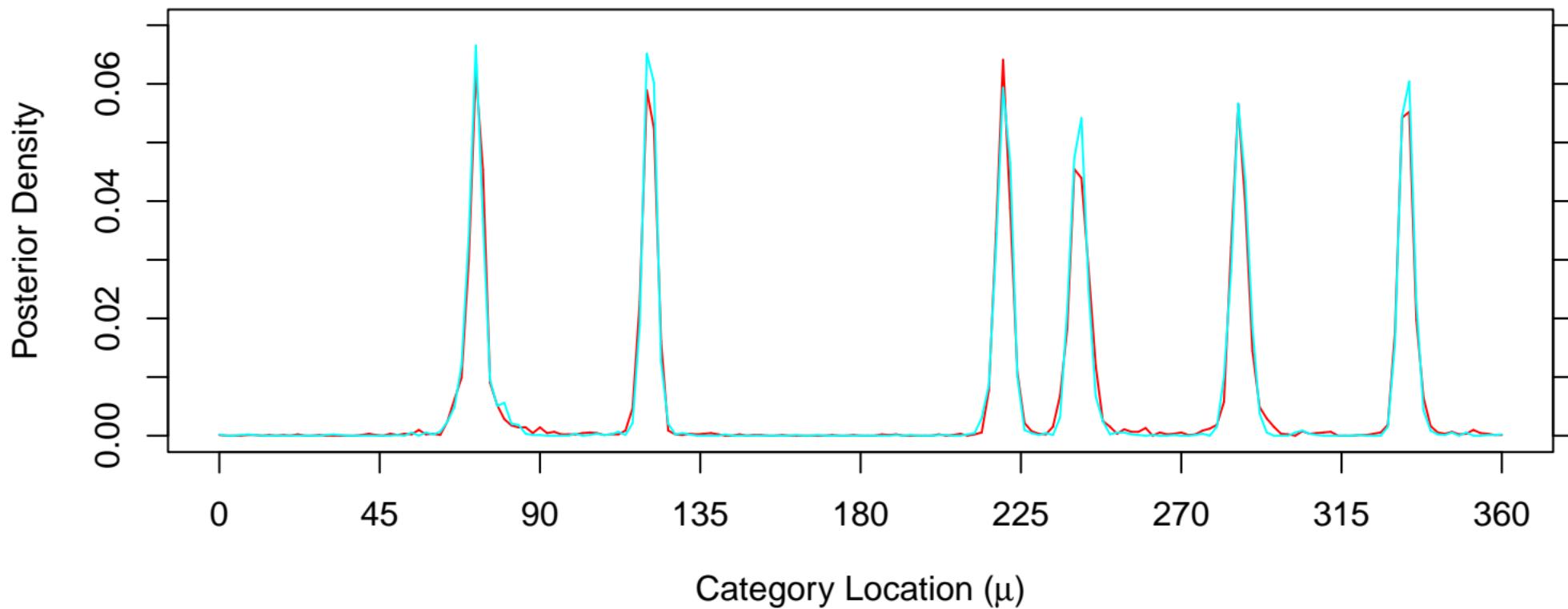
## Active catMu for pnum:11



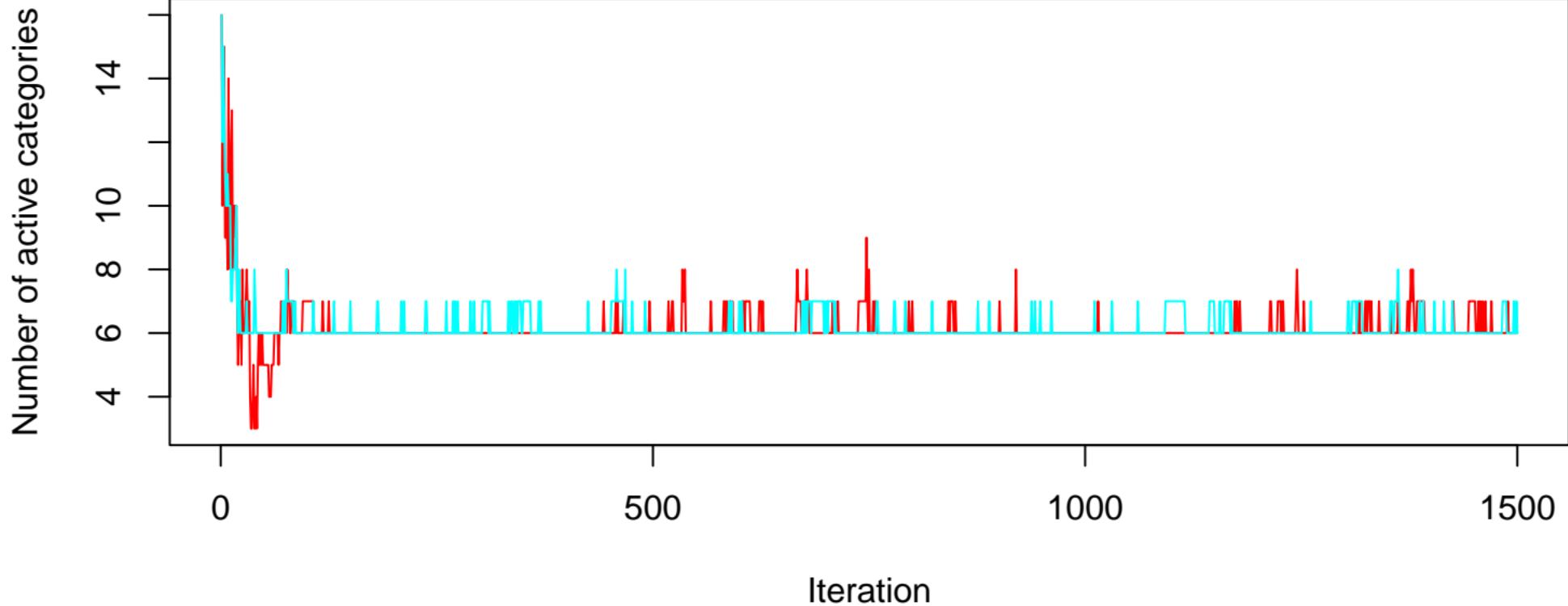
## Sum of catActive for pnum:11



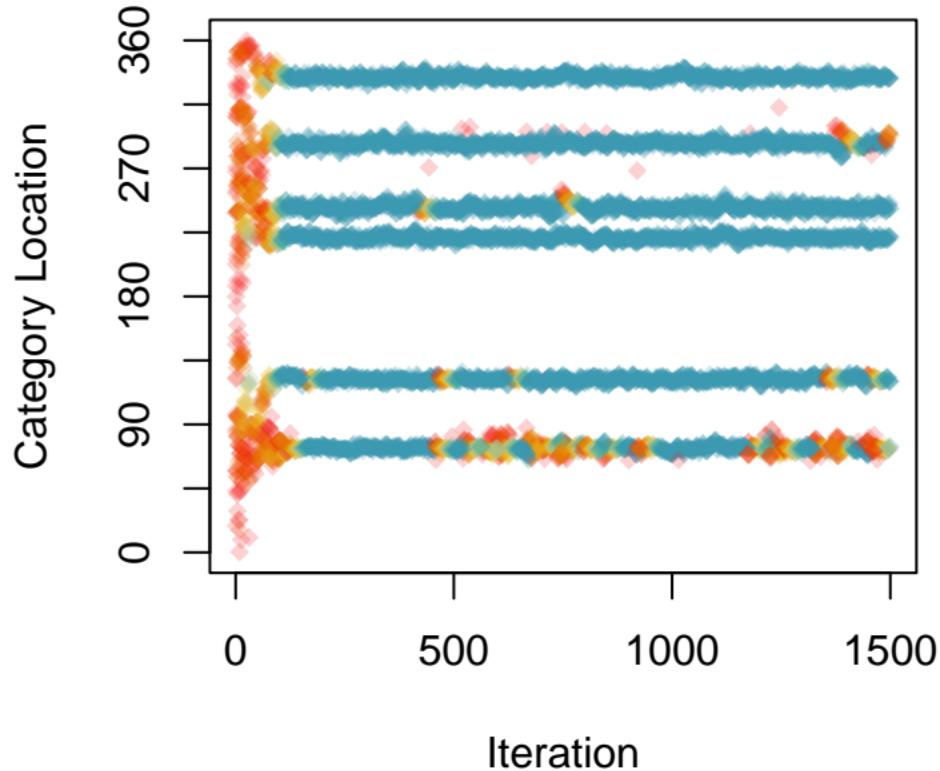
## Active catMu for pnum:12



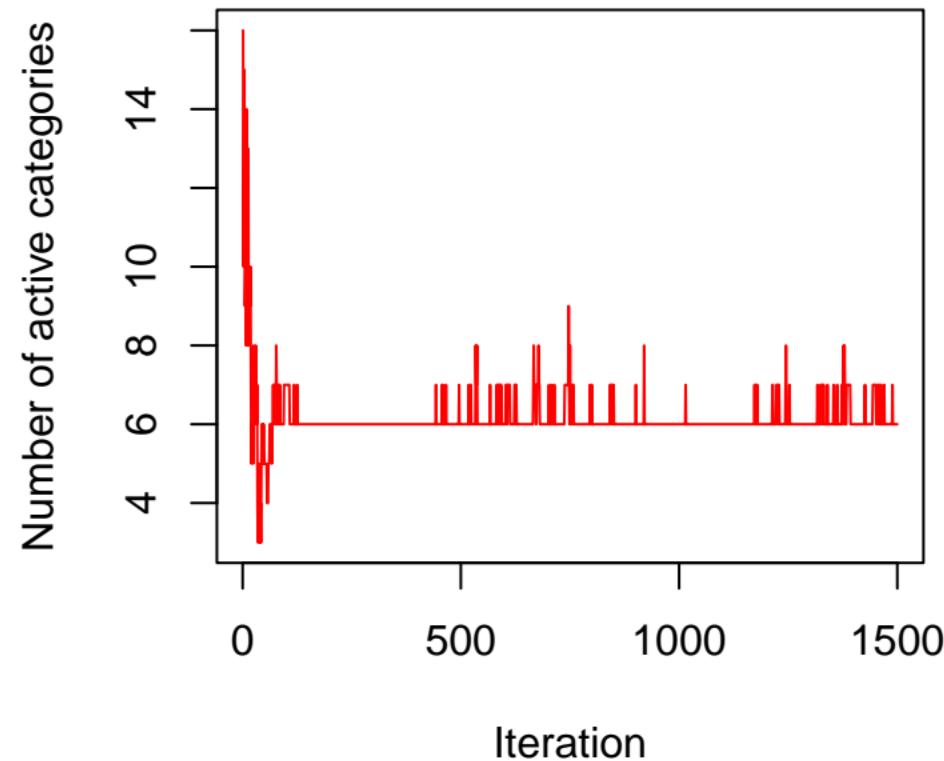
## Sum of catActive for pnum:12



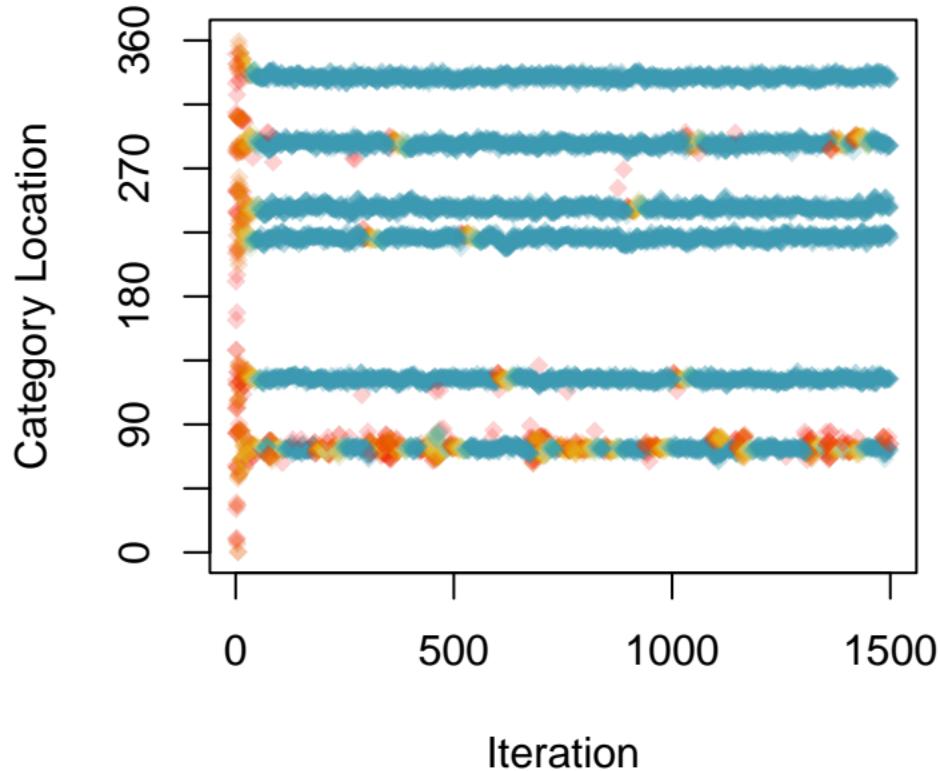
### Active catMu for pnum:12



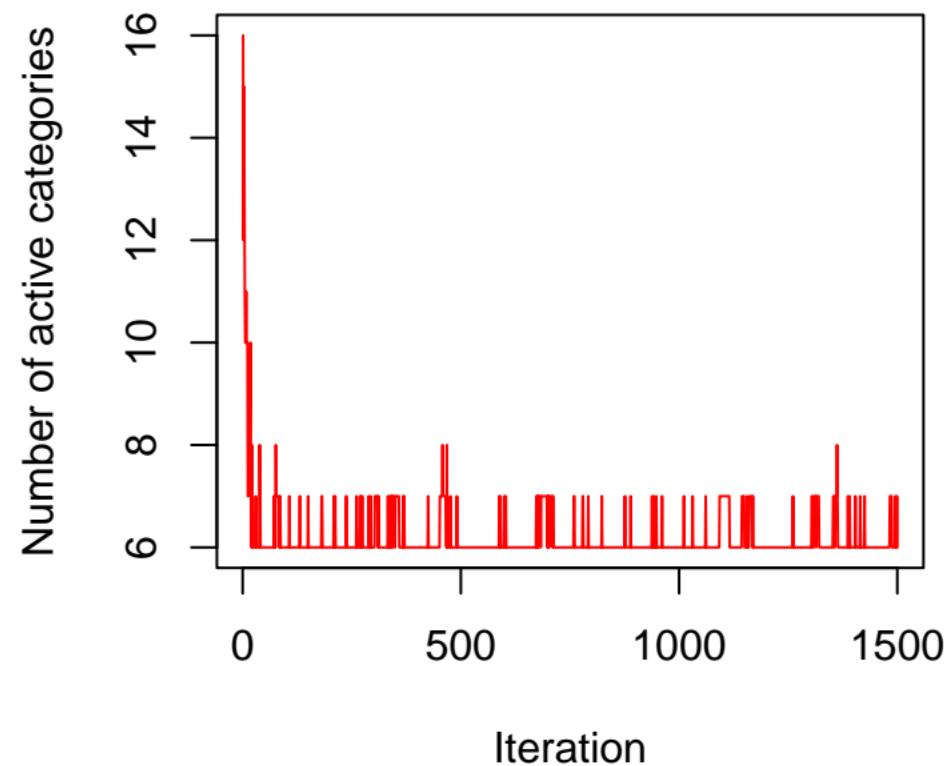
### Sum of catActive for pnum:12



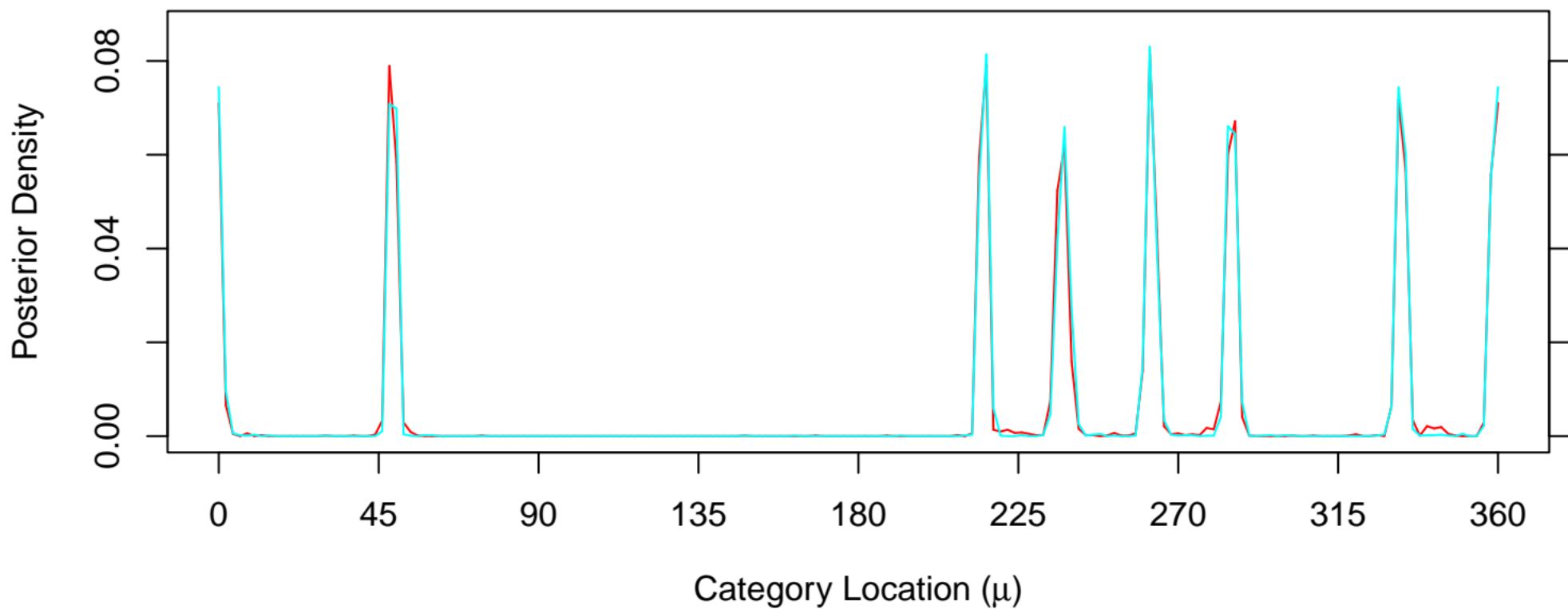
### Active catMu for pnum:12



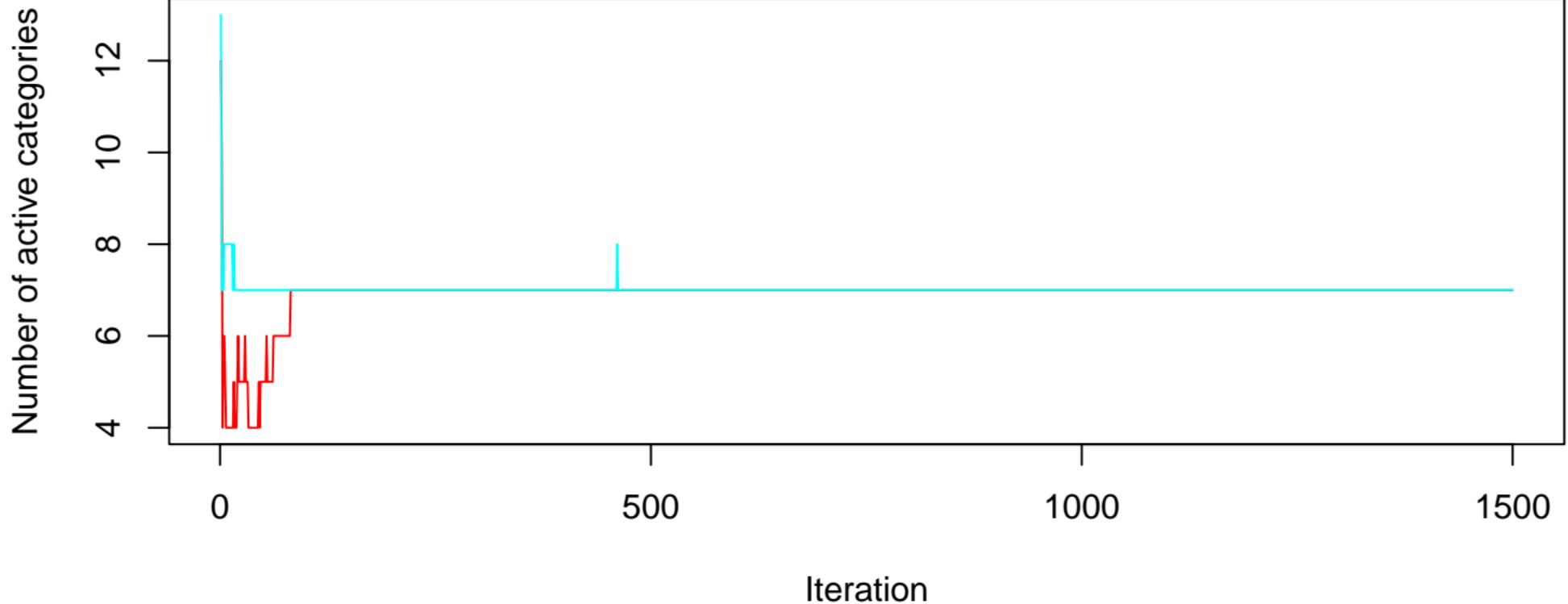
### Sum of catActive for pnum:12



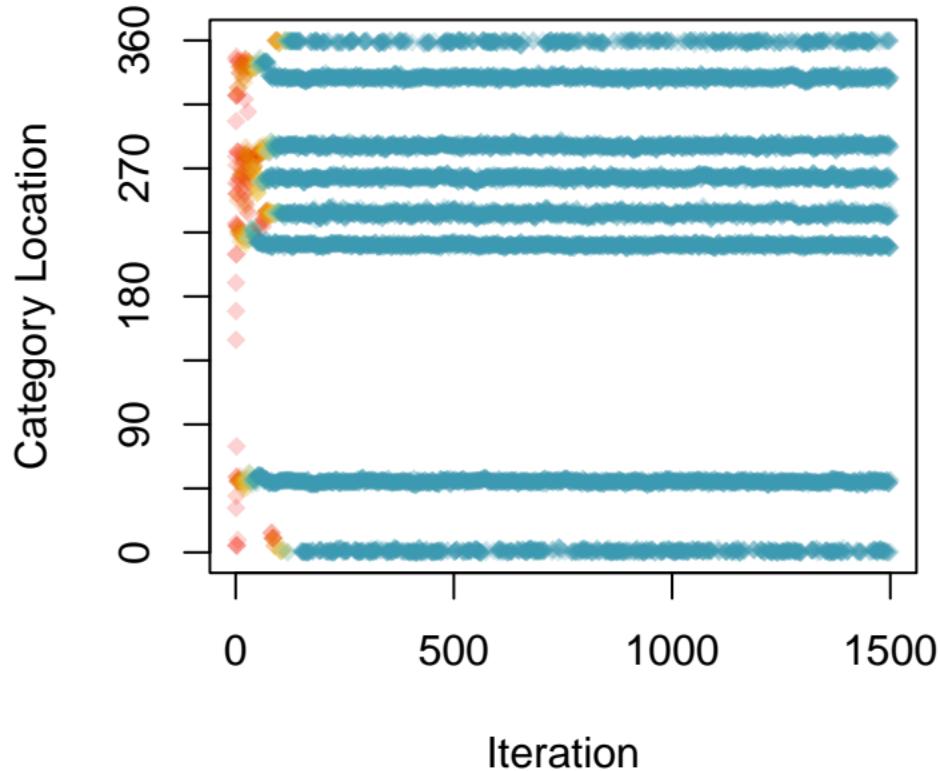
## Active catMu for pnum:13



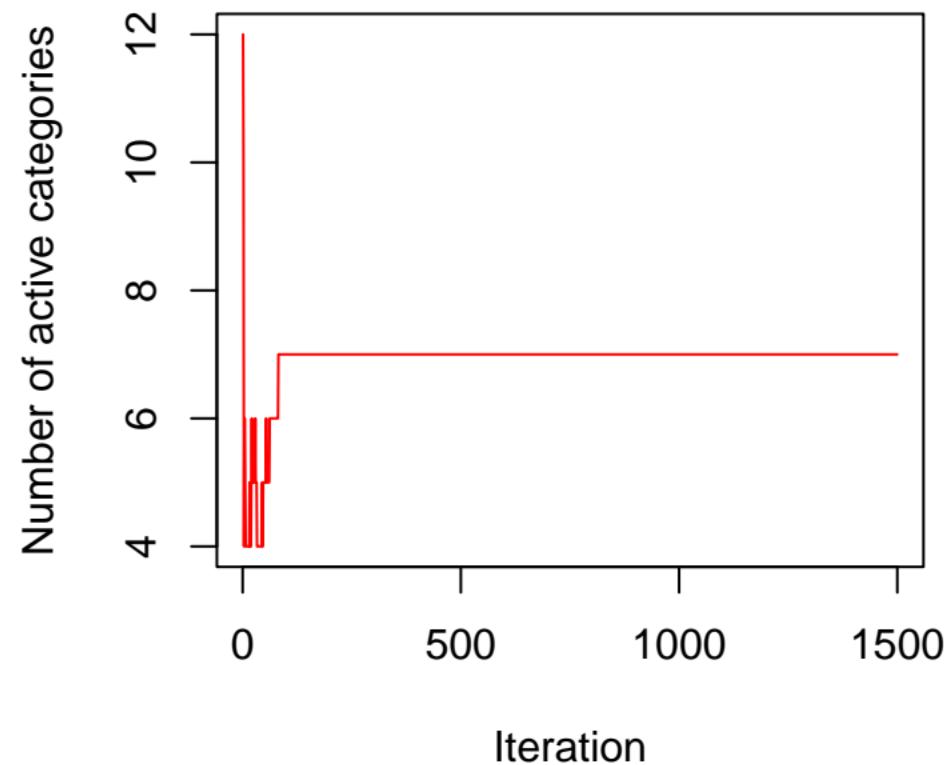
## Sum of catActive for pnum:13



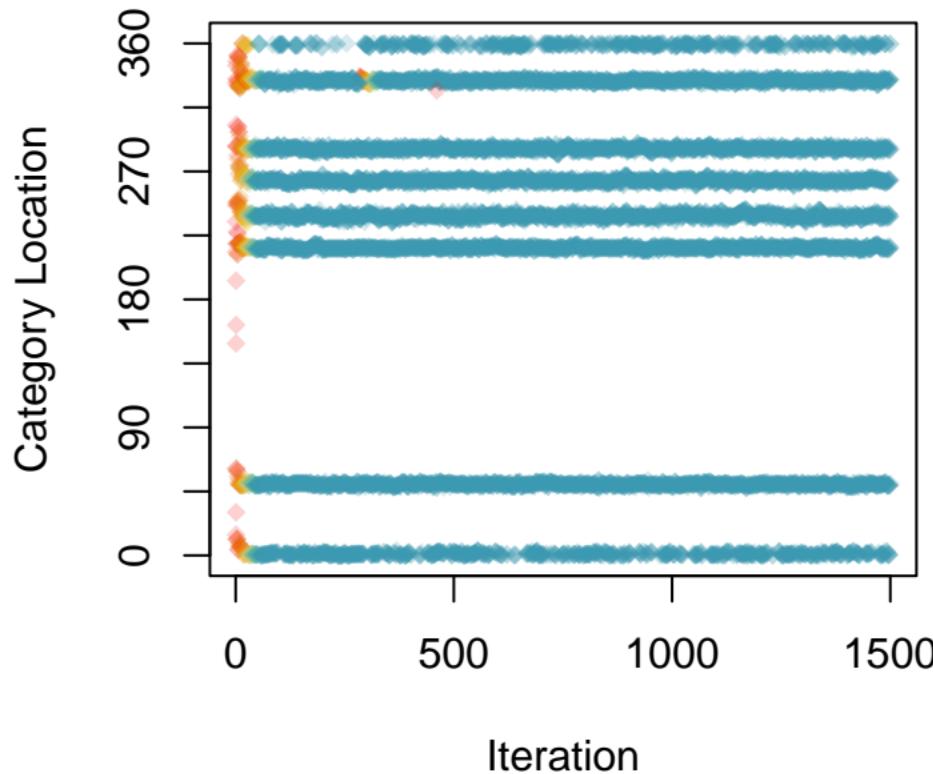
### Active catMu for pnum:13



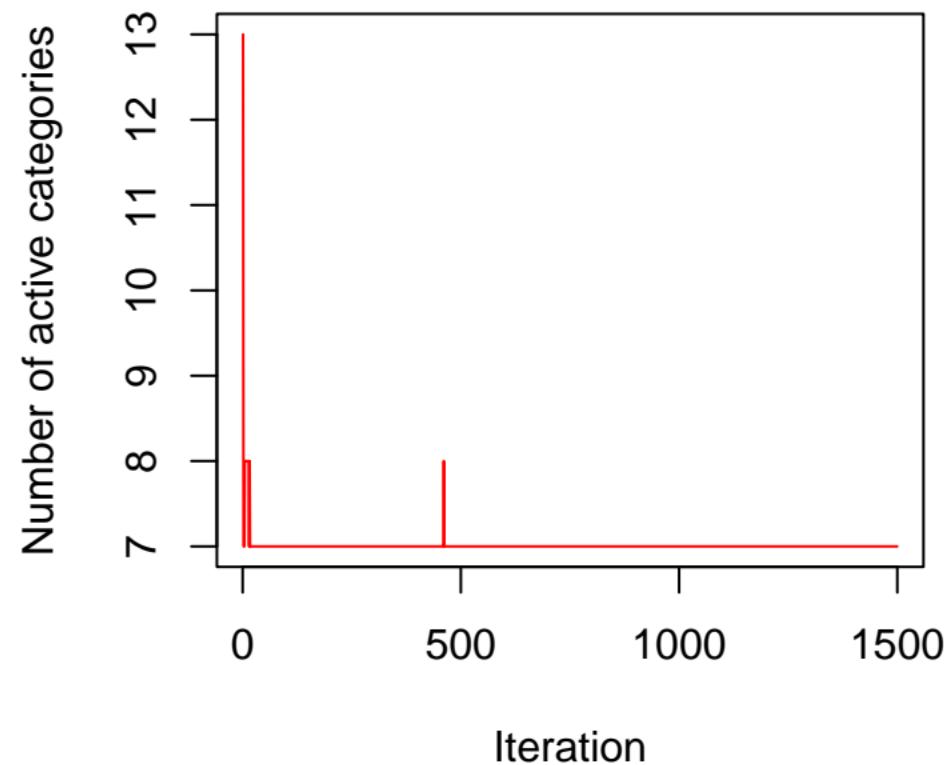
### Sum of catActive for pnum:13



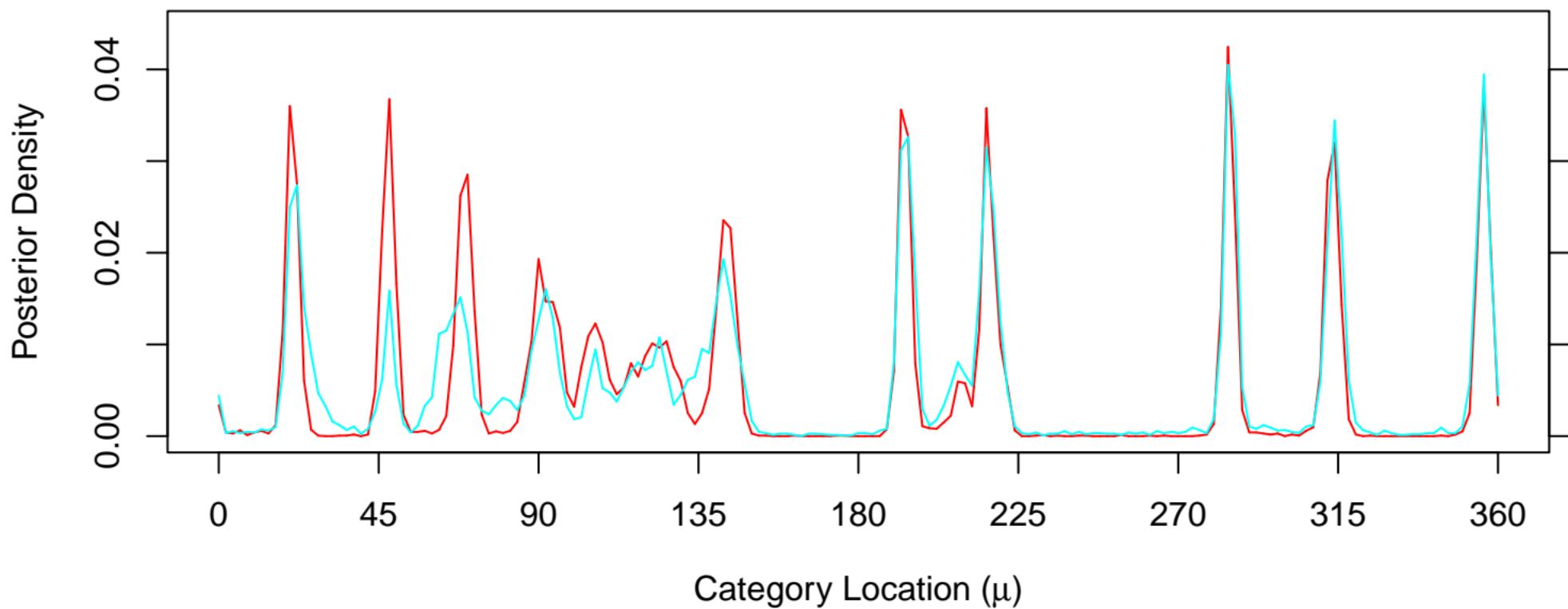
### Active catMu for pnum:13



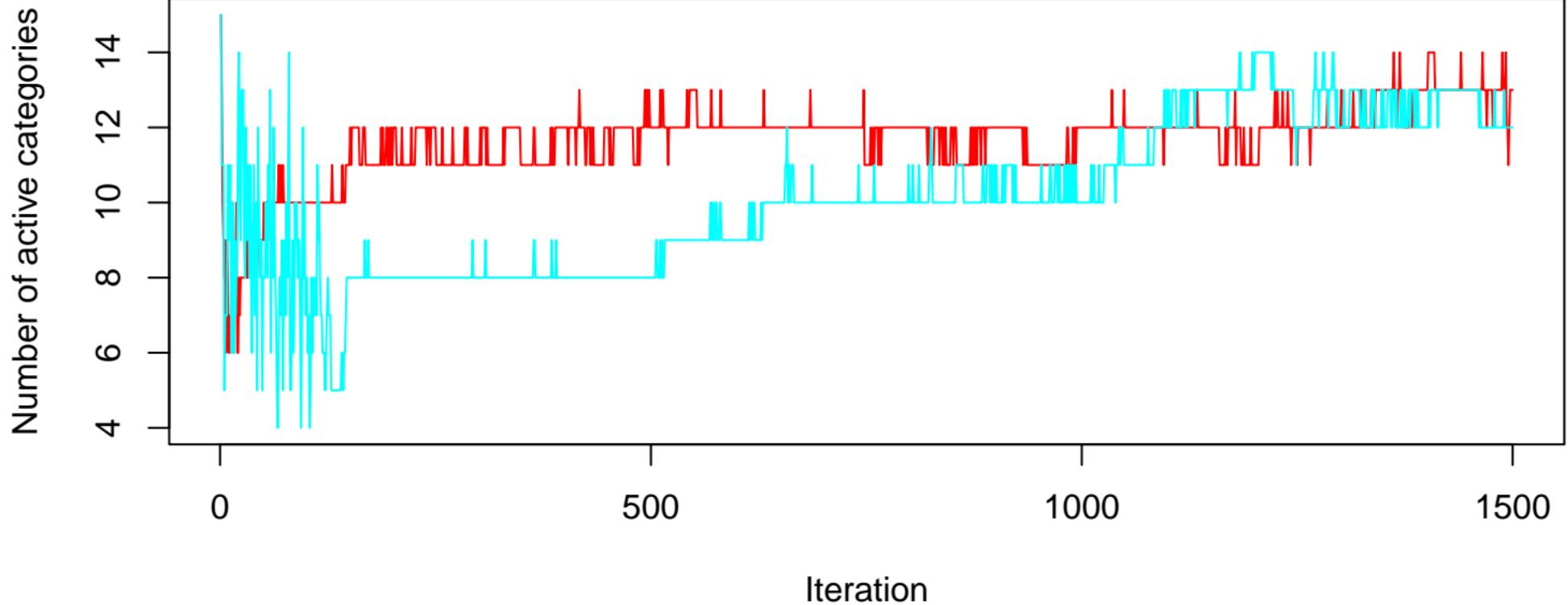
### Sum of catActive for pnum:13



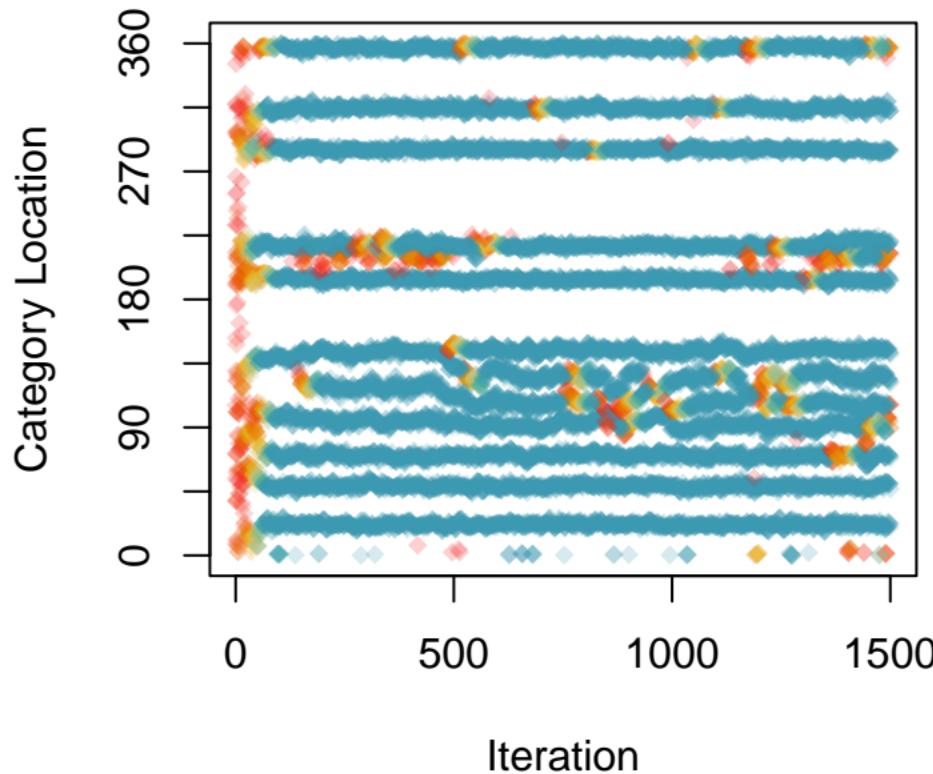
## Active catMu for pnum:14



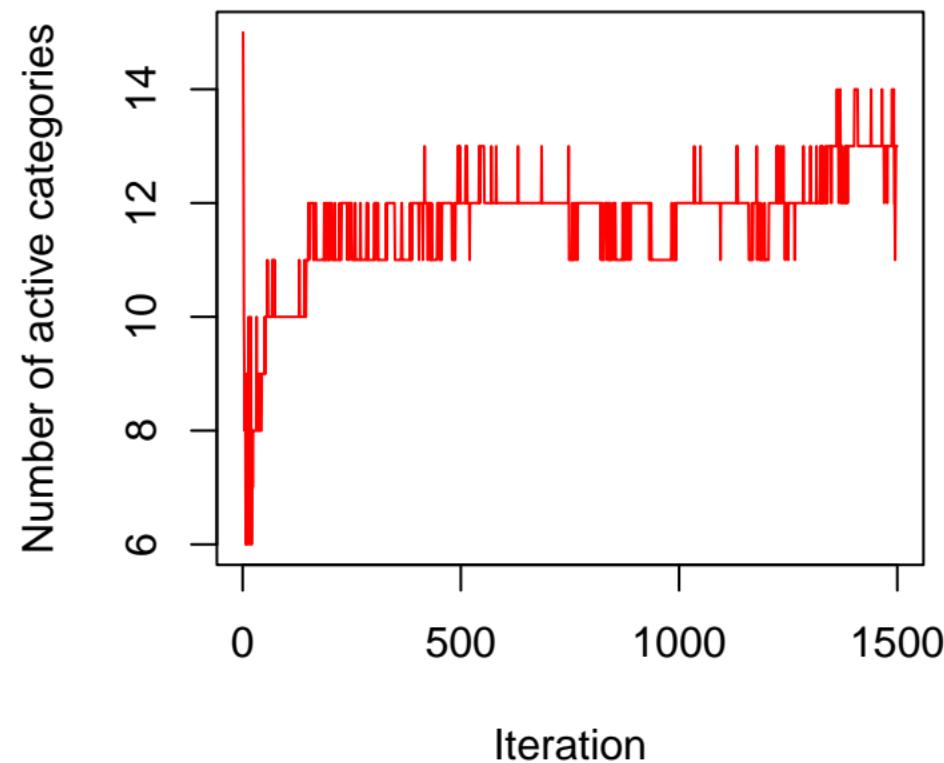
## Sum of catActive for pnum:14



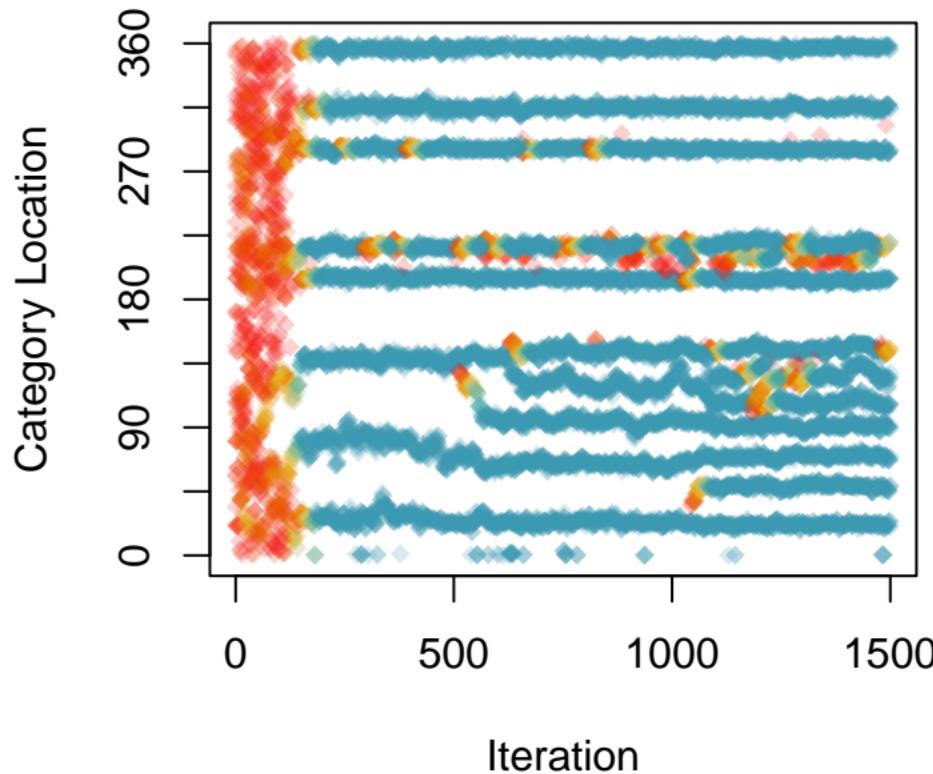
### Active catMu for pnum:14



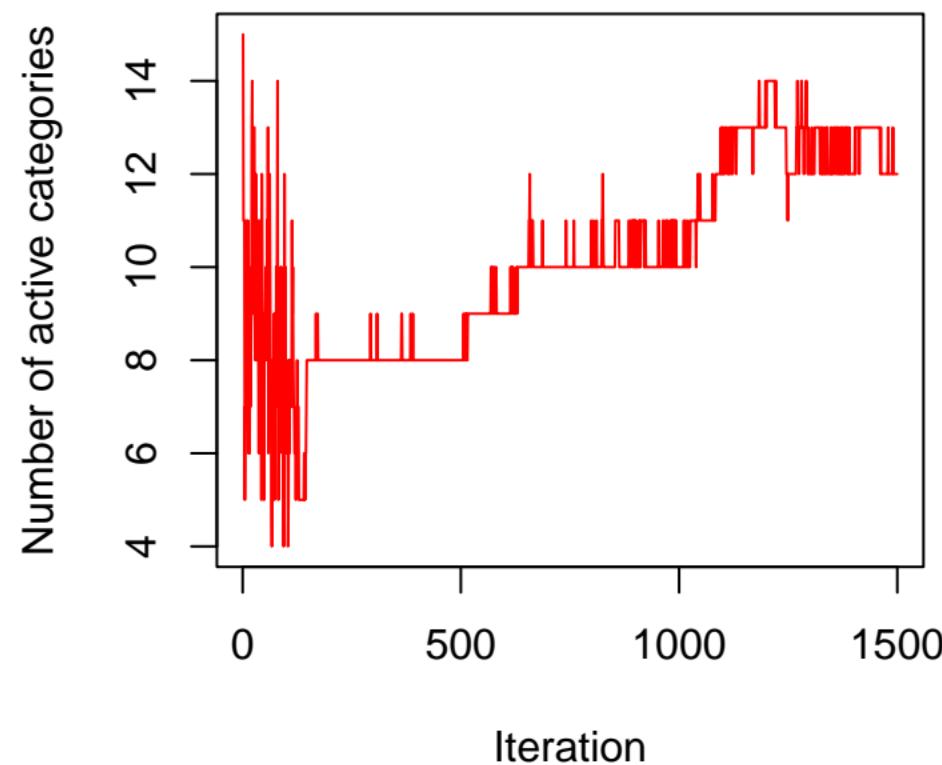
### Sum of catActive for pnum:14



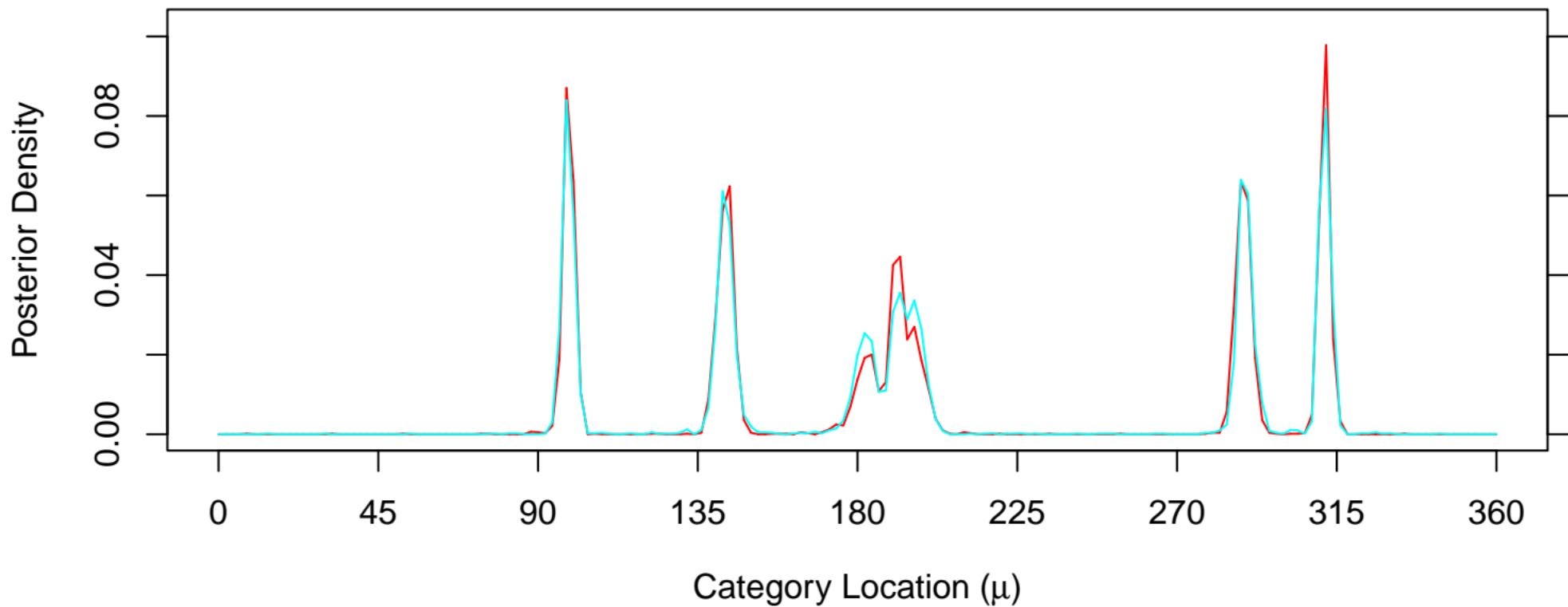
### Active catMu for pnum:14



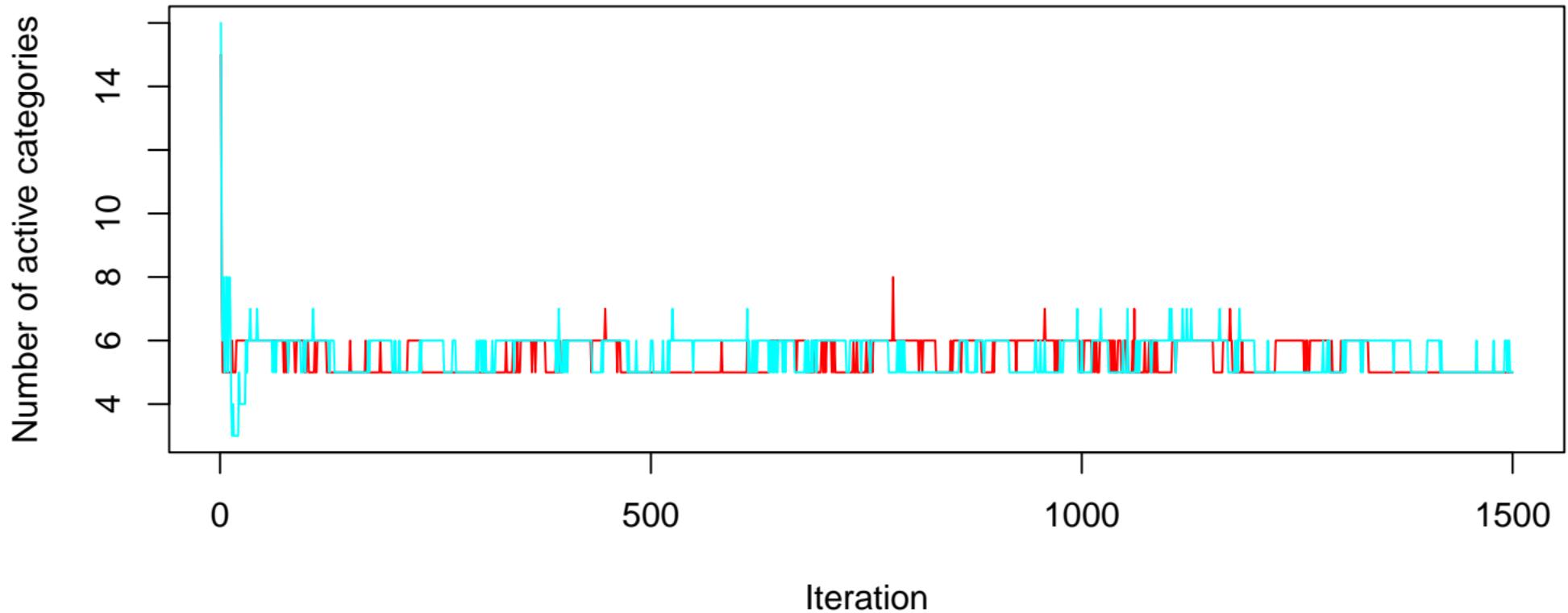
### Sum of catActive for pnum:14



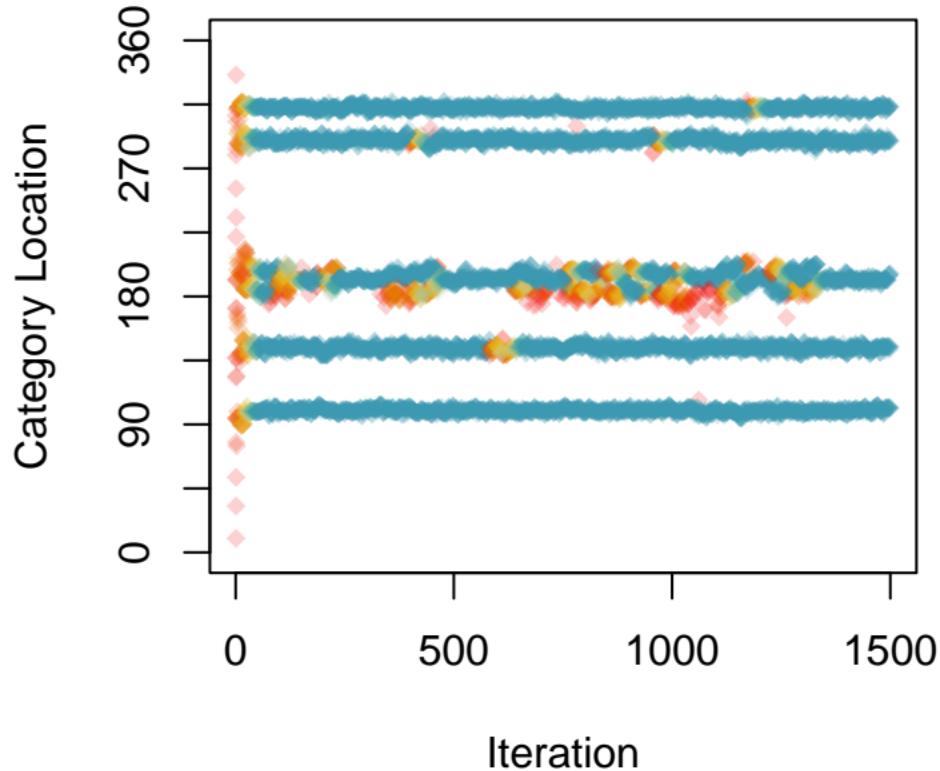
## Active catMu for pnum:15



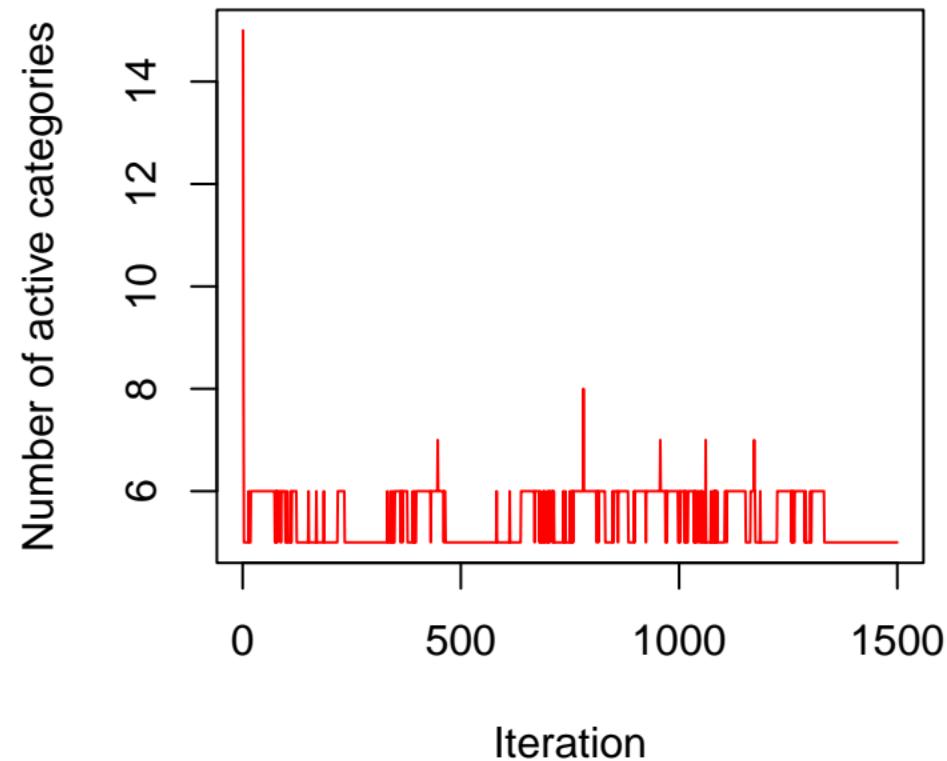
## Sum of catActive for pnum:15



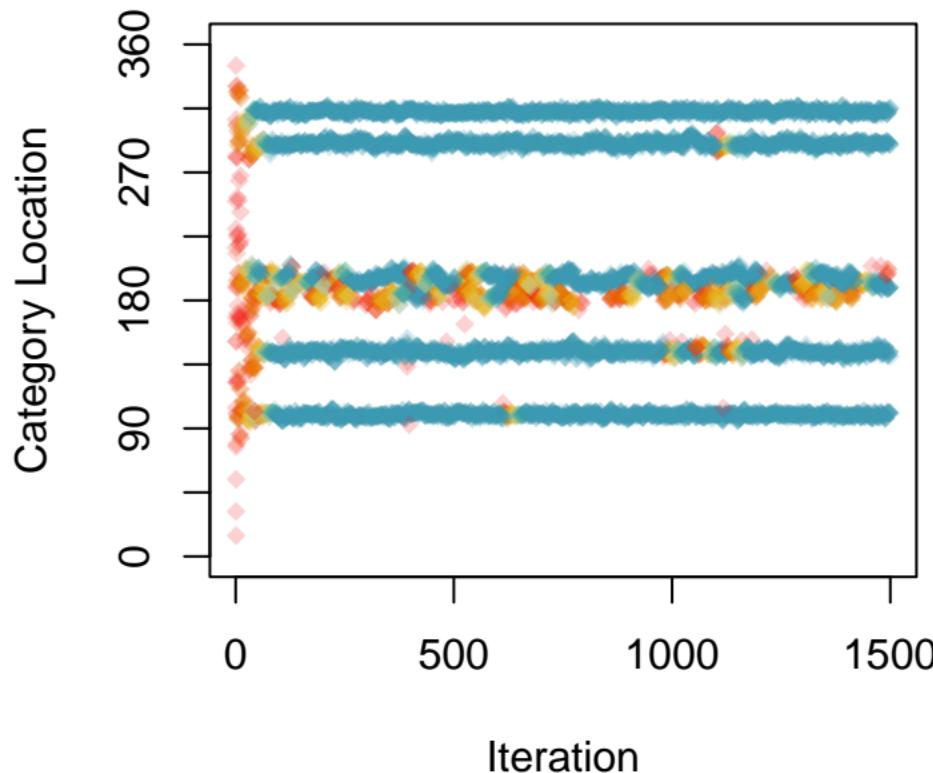
### Active catMu for pnum:15



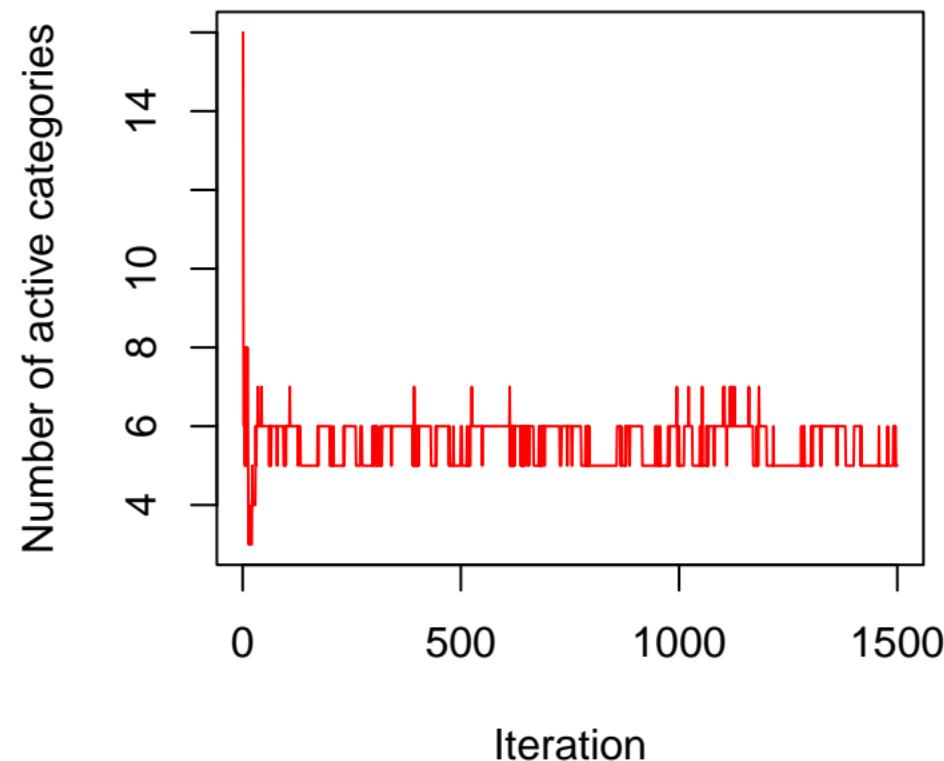
### Sum of catActive for pnum:15



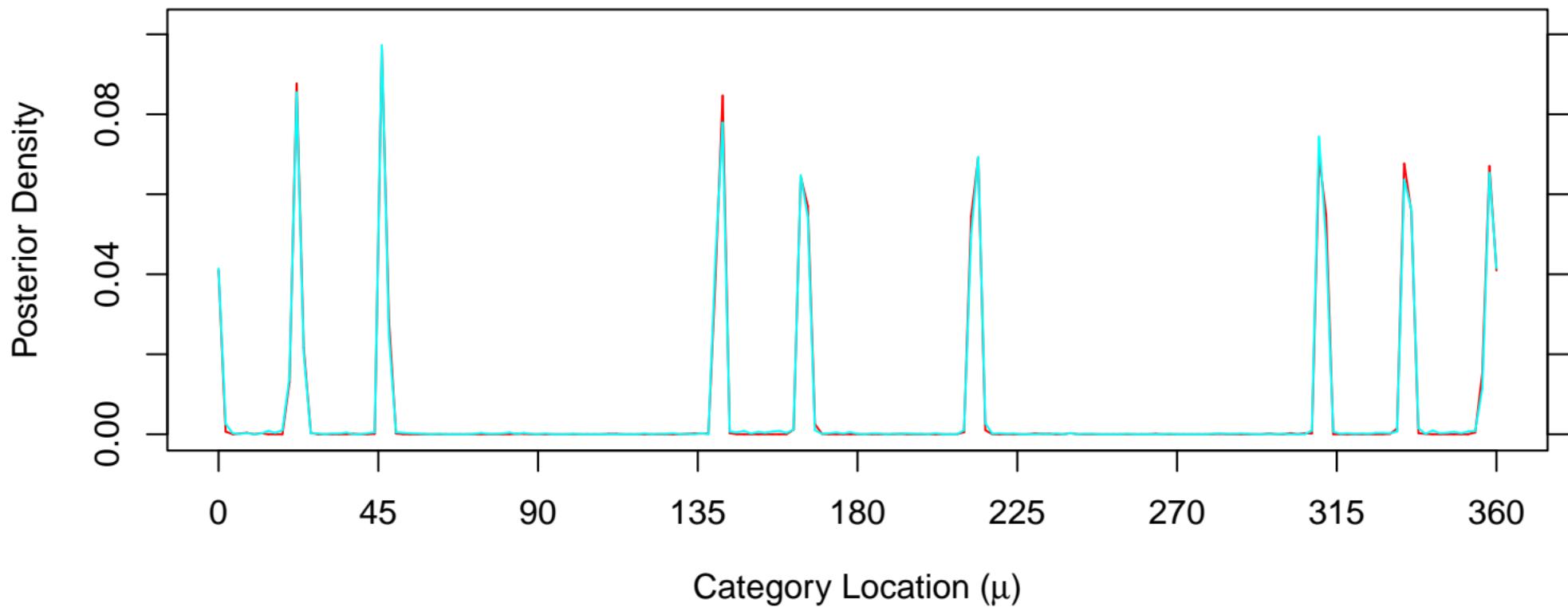
### Active catMu for pnum:15



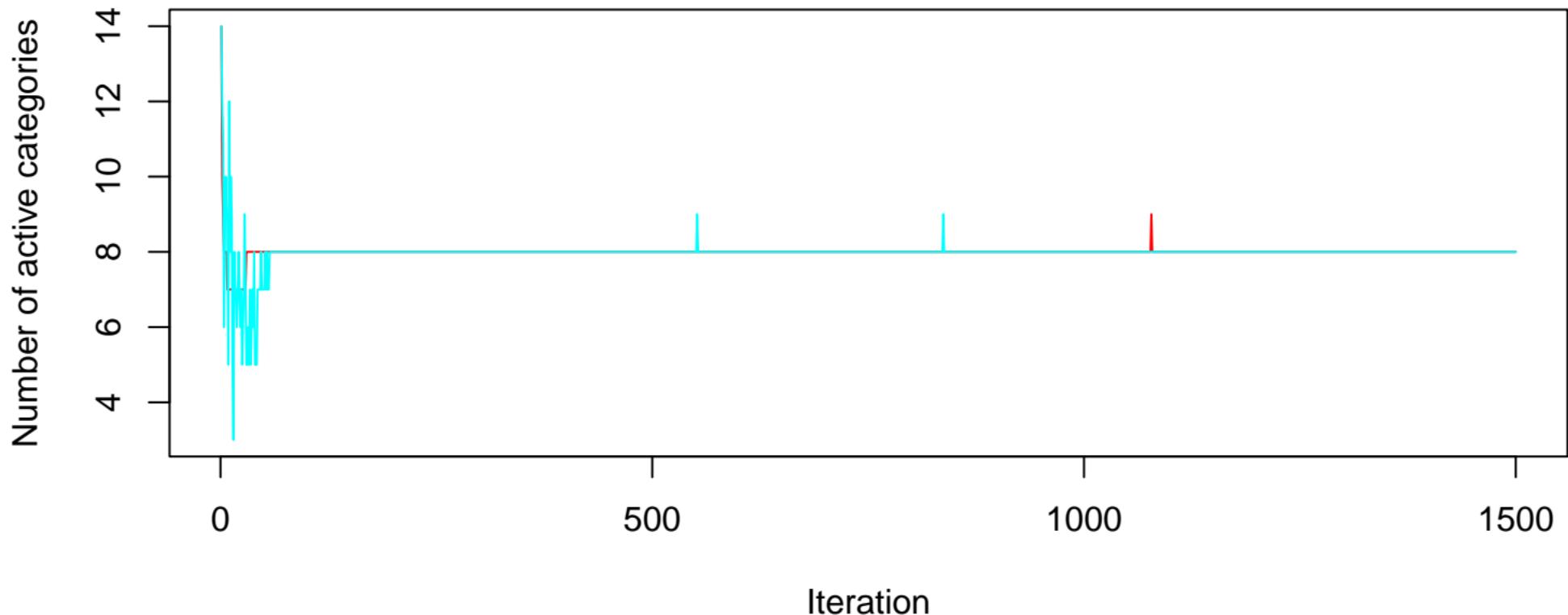
### Sum of catActive for pnum:15



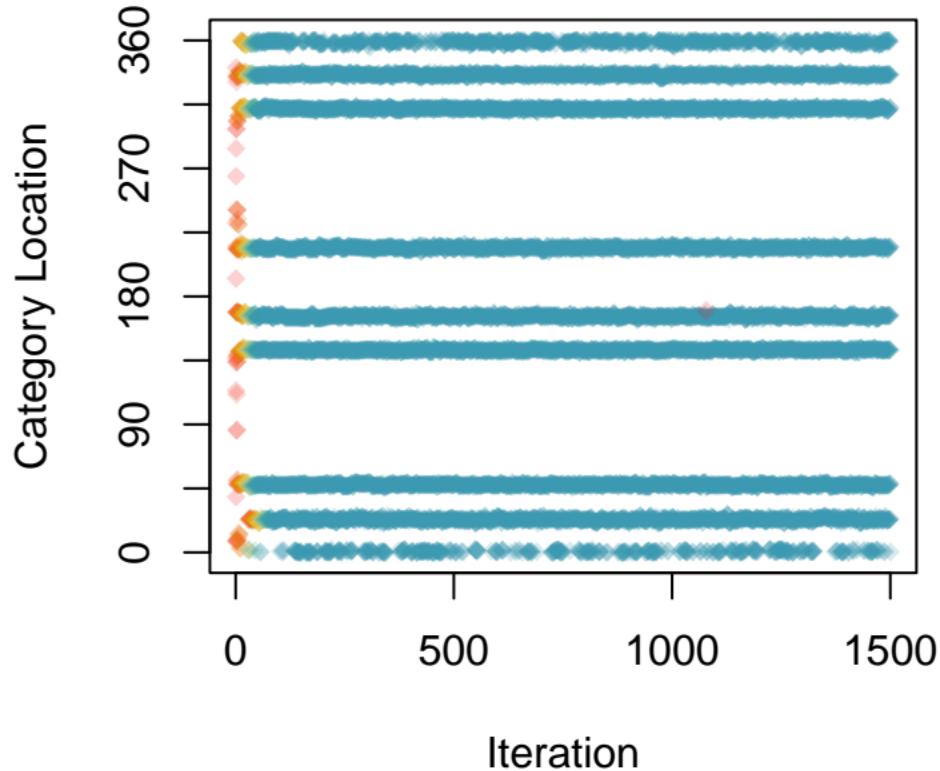
## Active catMu for pnum:16



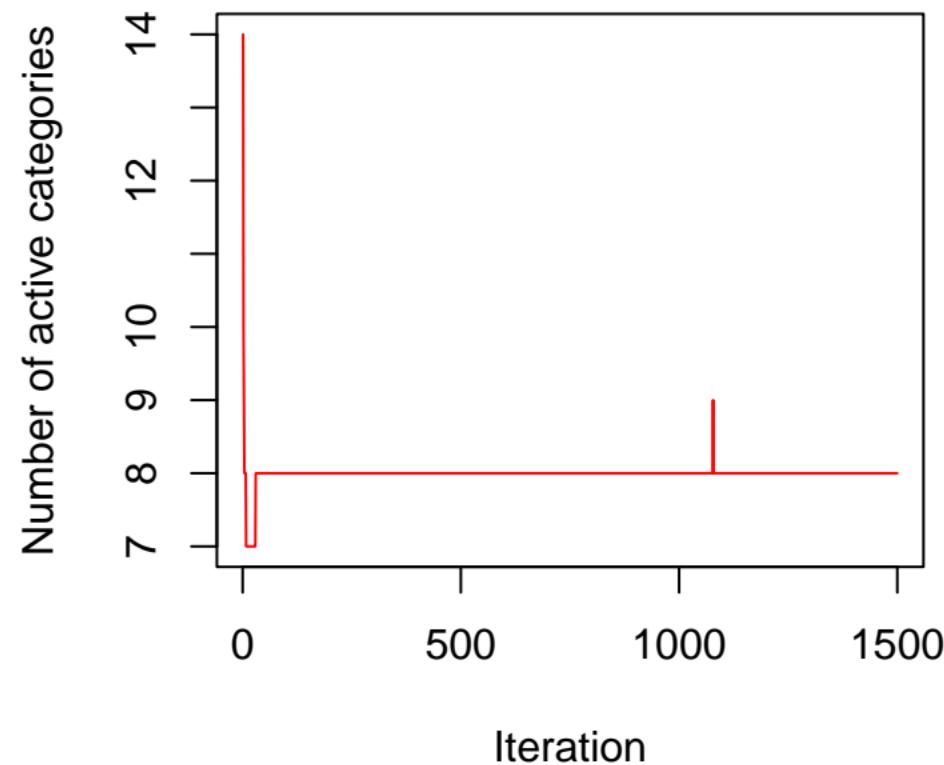
## Sum of catActive for pnum:16



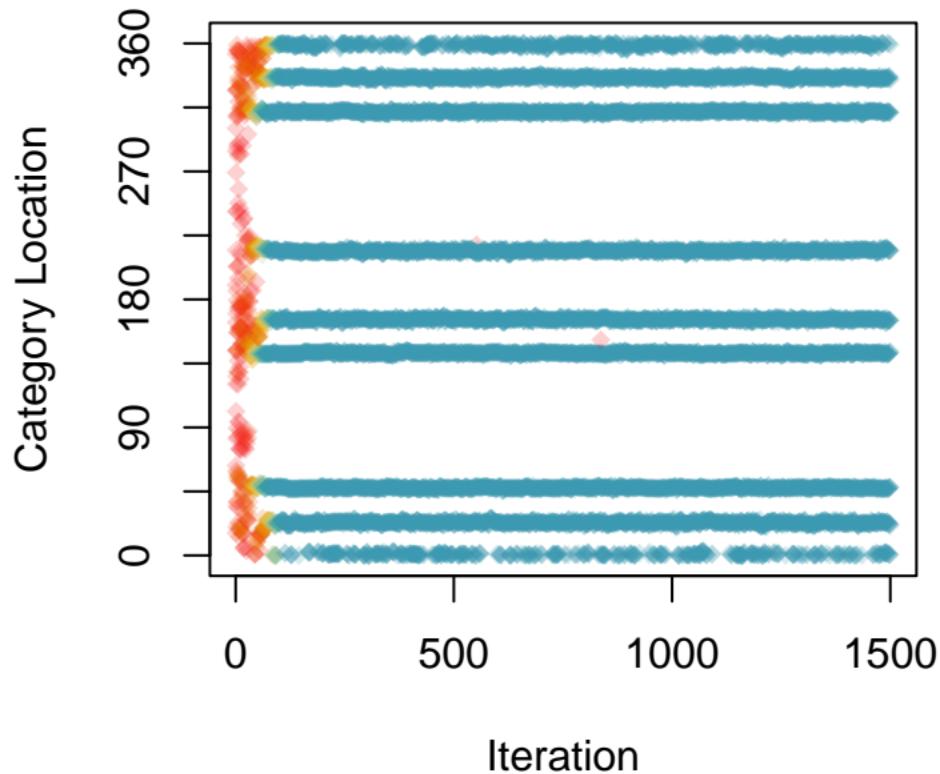
### Active catMu for pnum:16



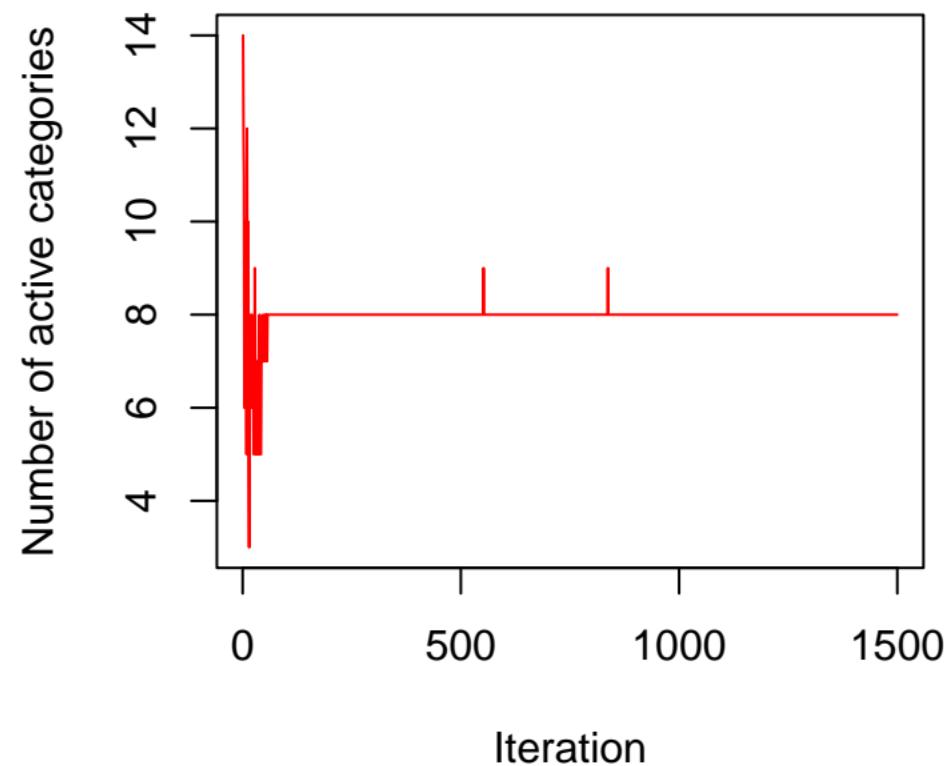
### Sum of catActive for pnum:16



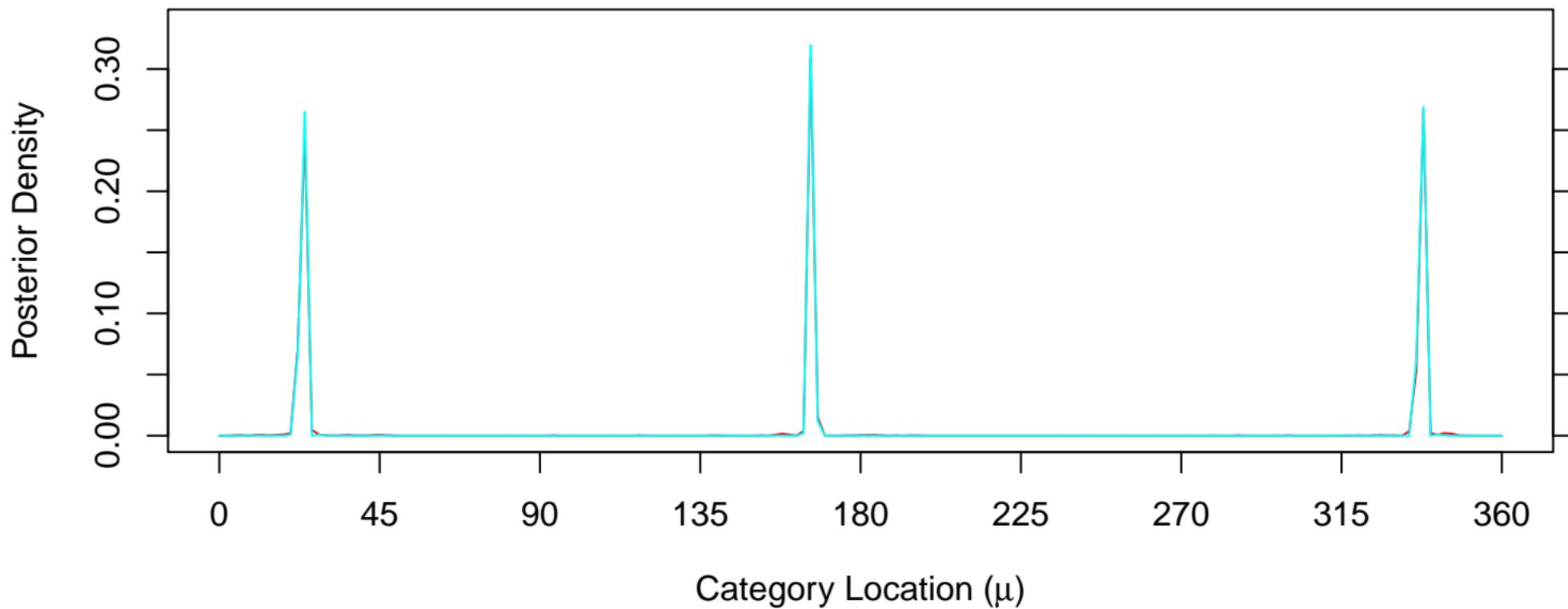
### Active catMu for pnum:16



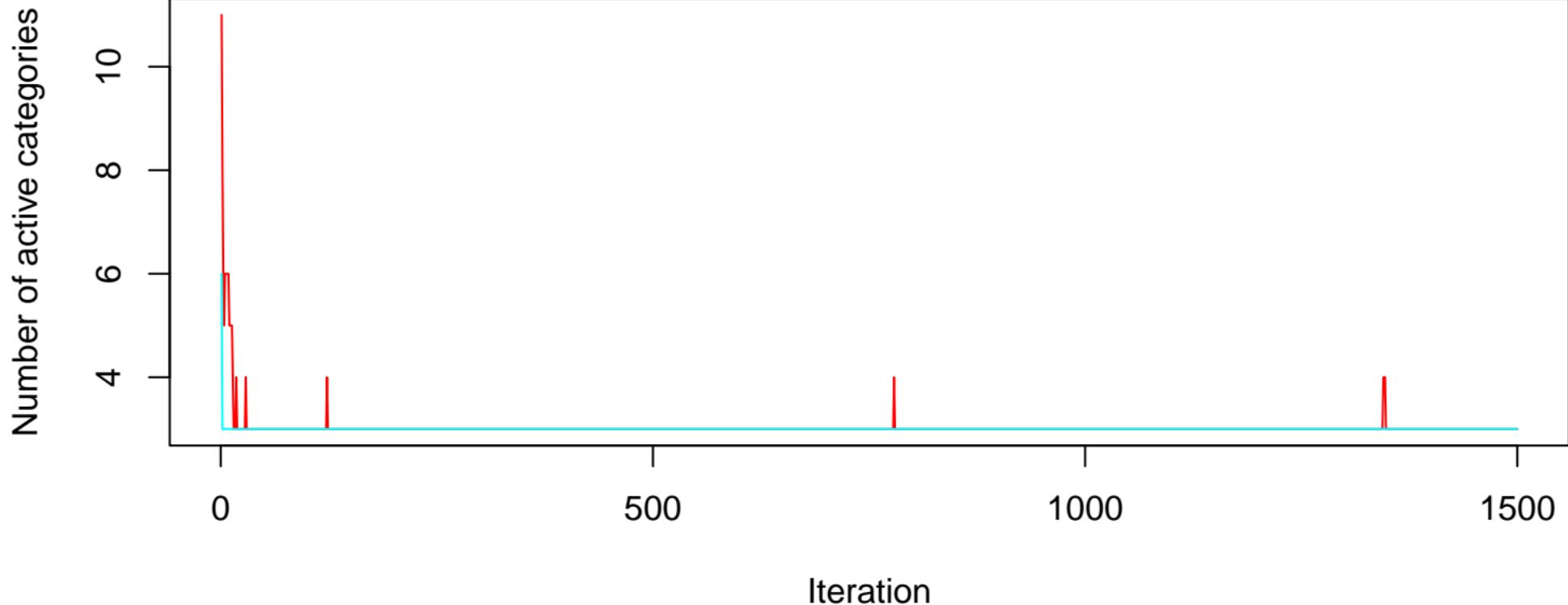
### Sum of catActive for pnum:16



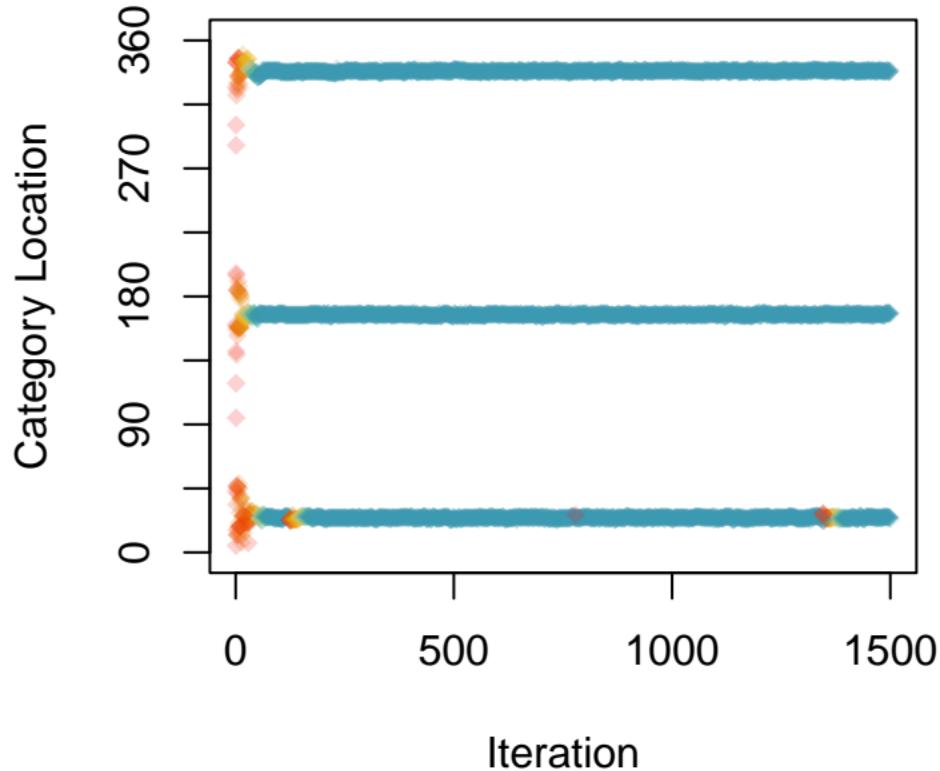
## Active catMu for pnum:17



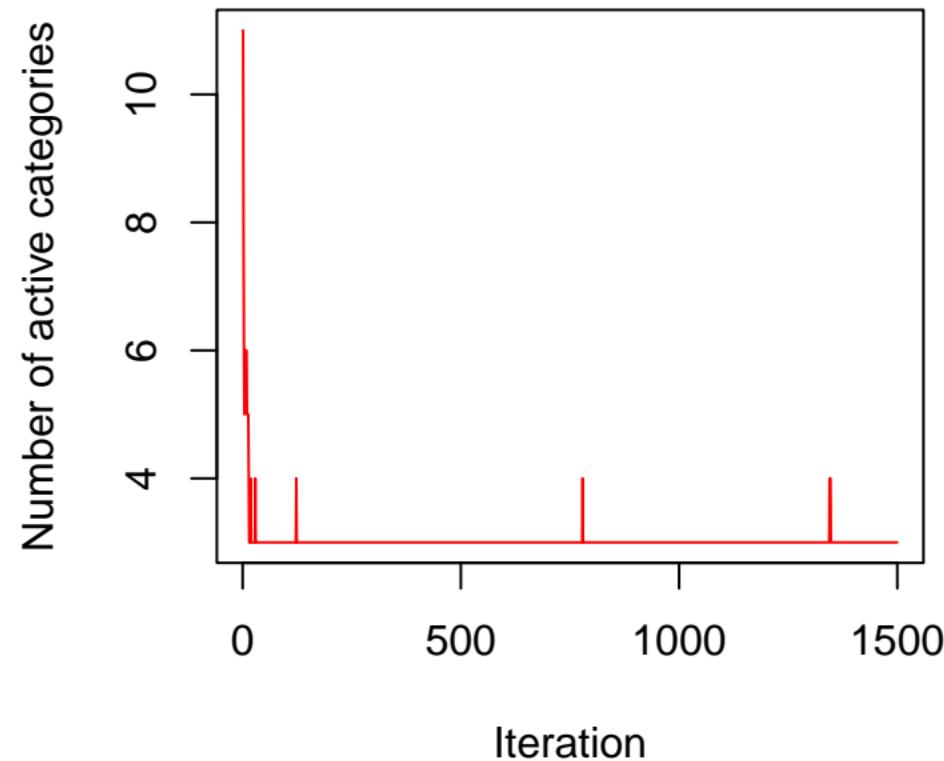
## Sum of catActive for pnum:17



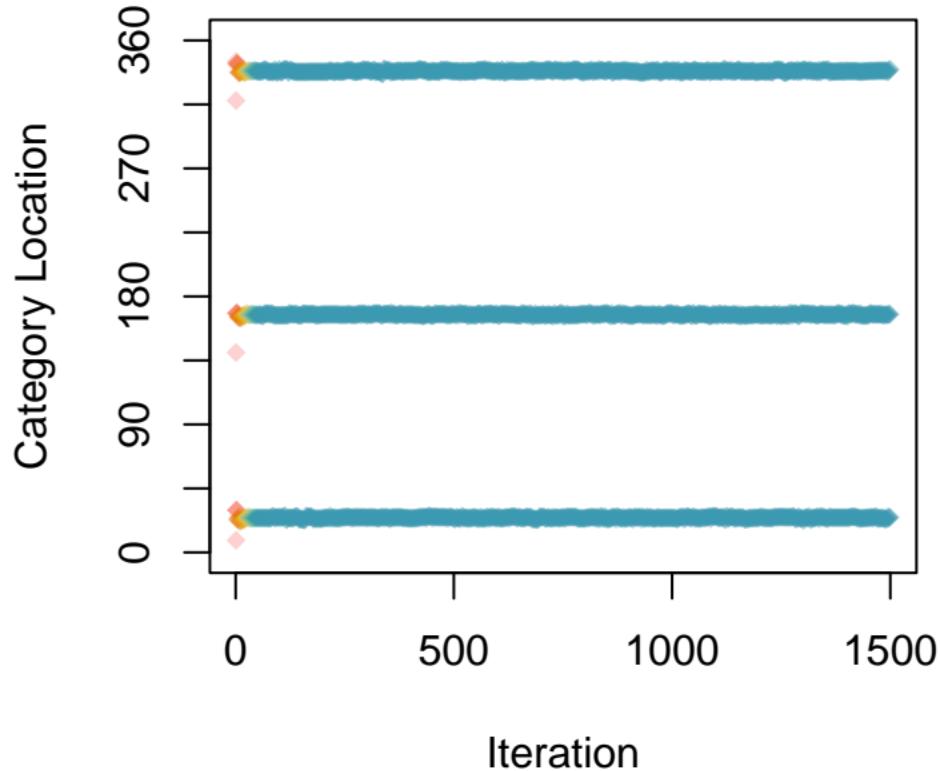
### Active catMu for pnum:17



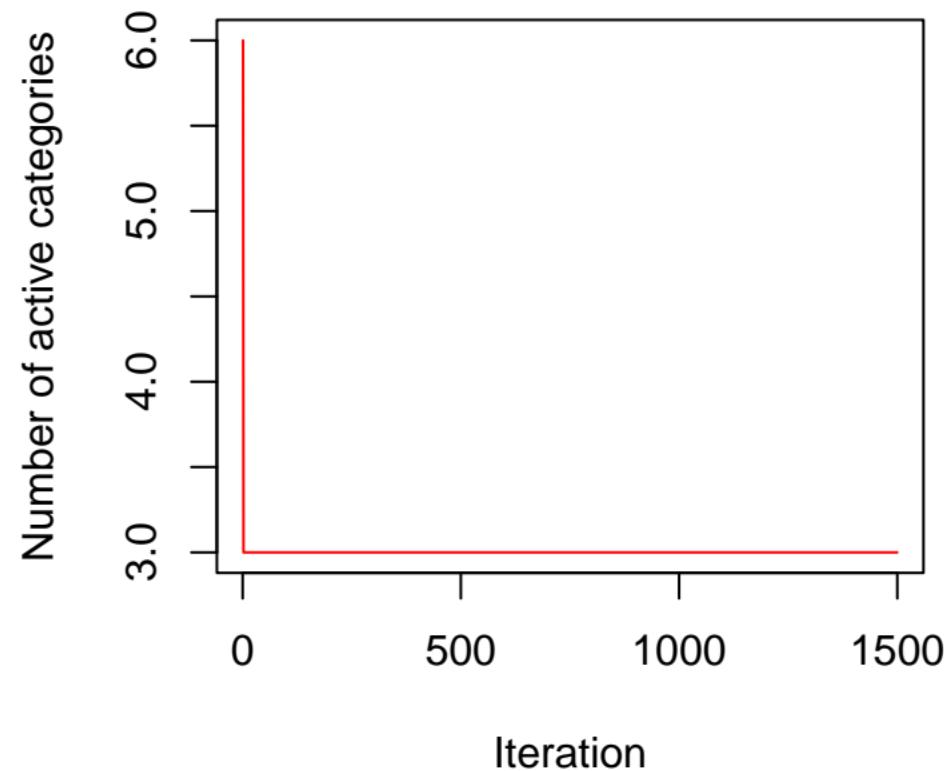
### Sum of catActive for pnum:17



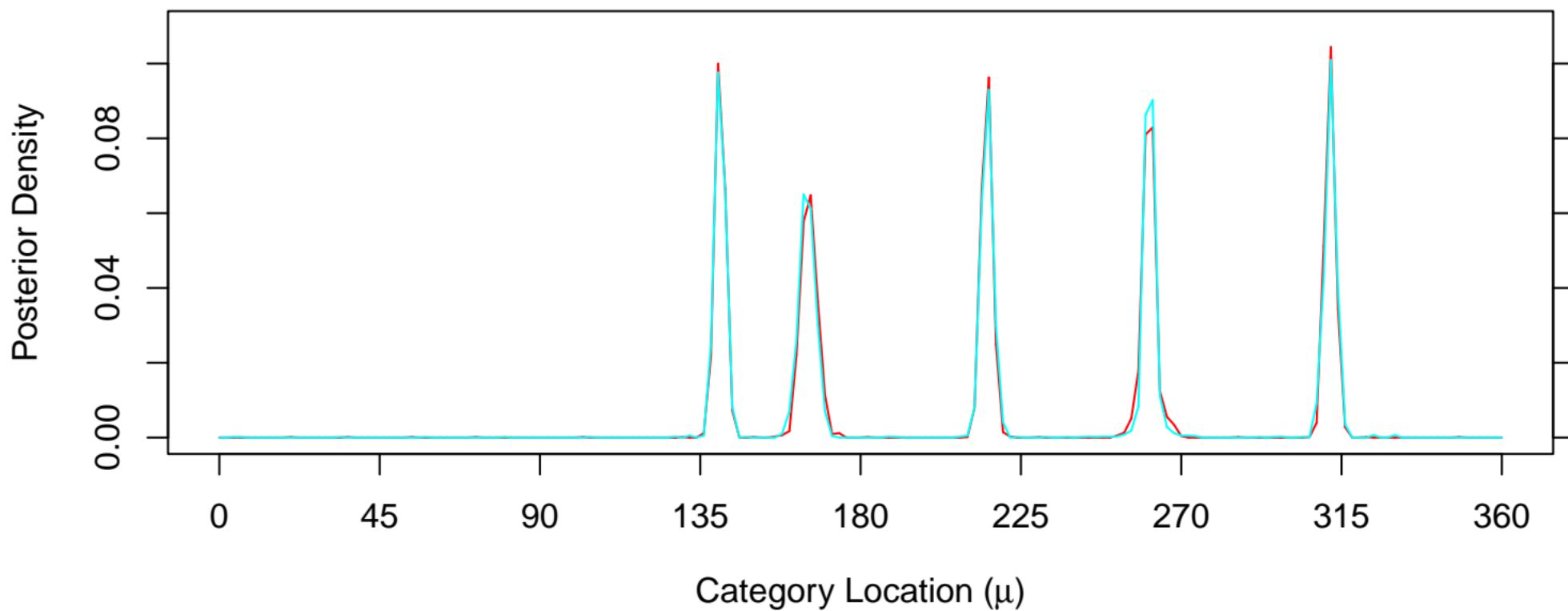
**Active catMu for pnum:17**



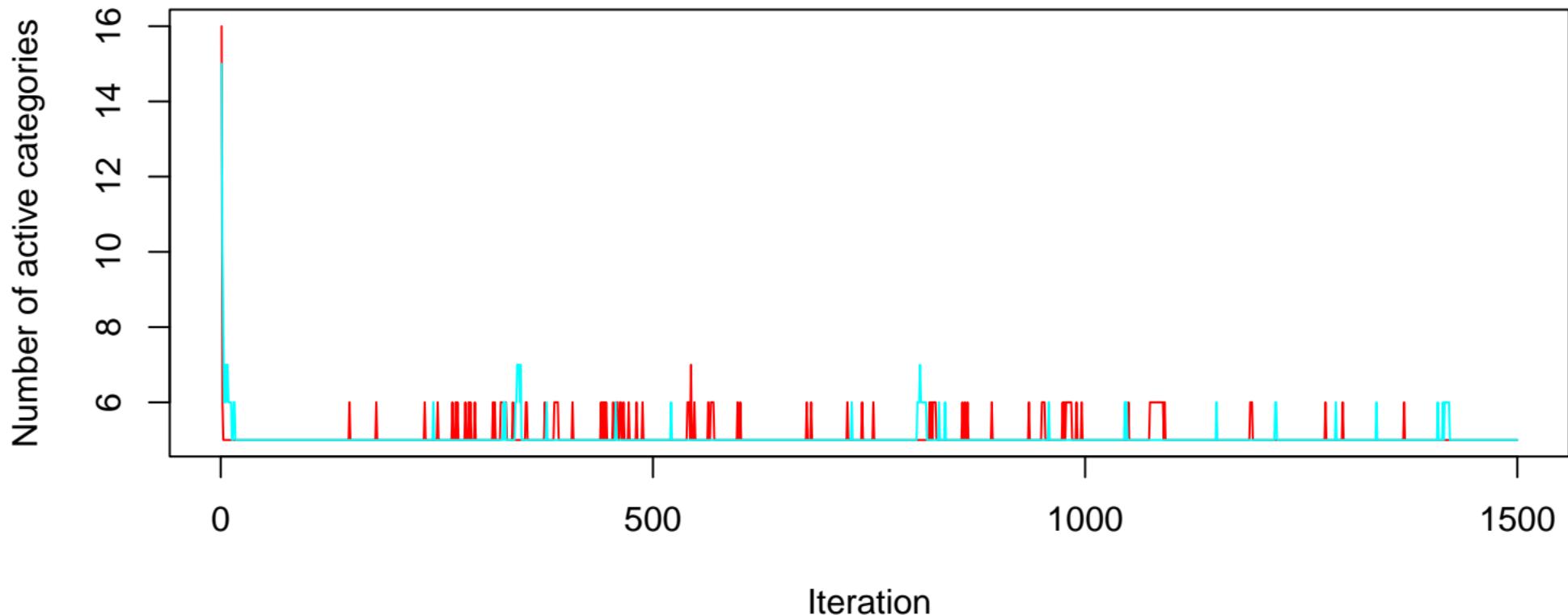
**Sum of catActive for pnum:17**



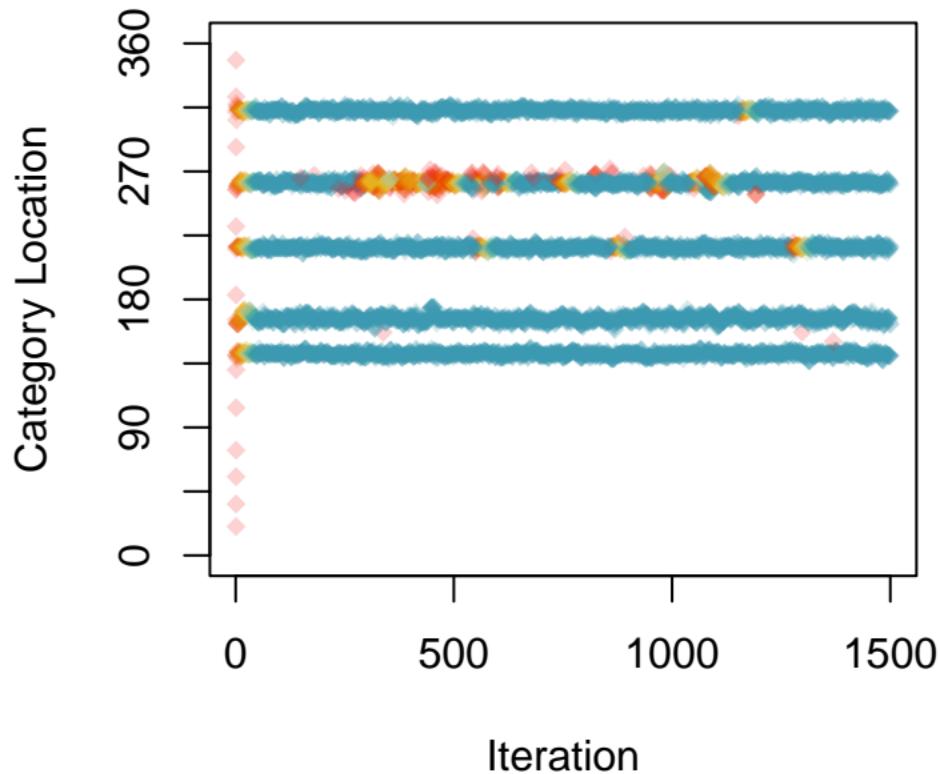
## Active catMu for pnum:18



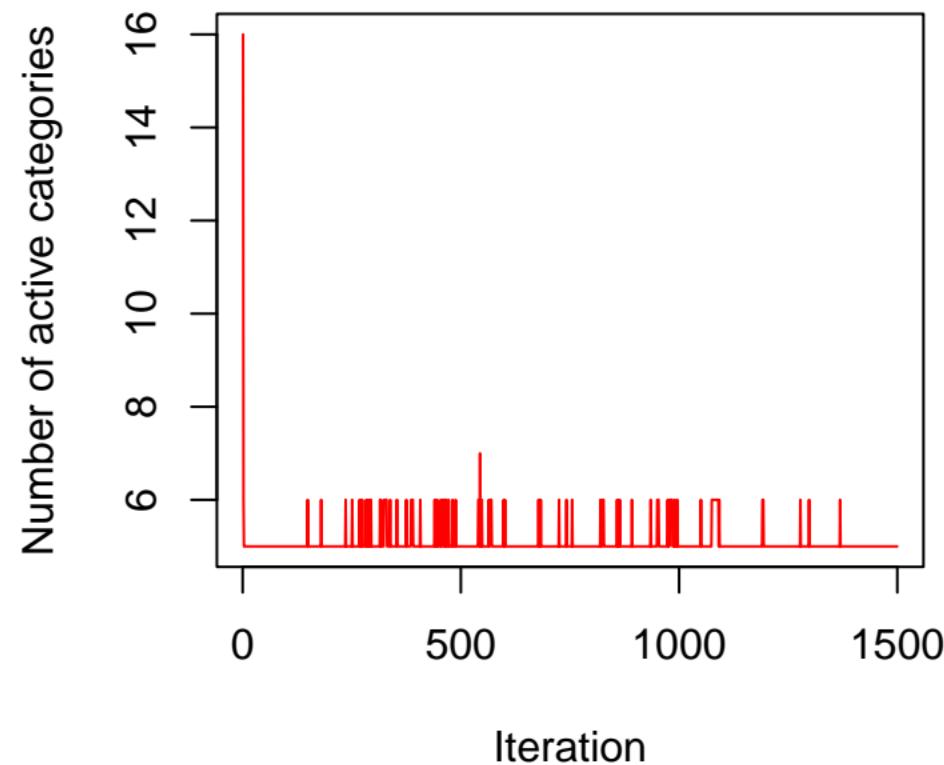
## Sum of catActive for pnum:18



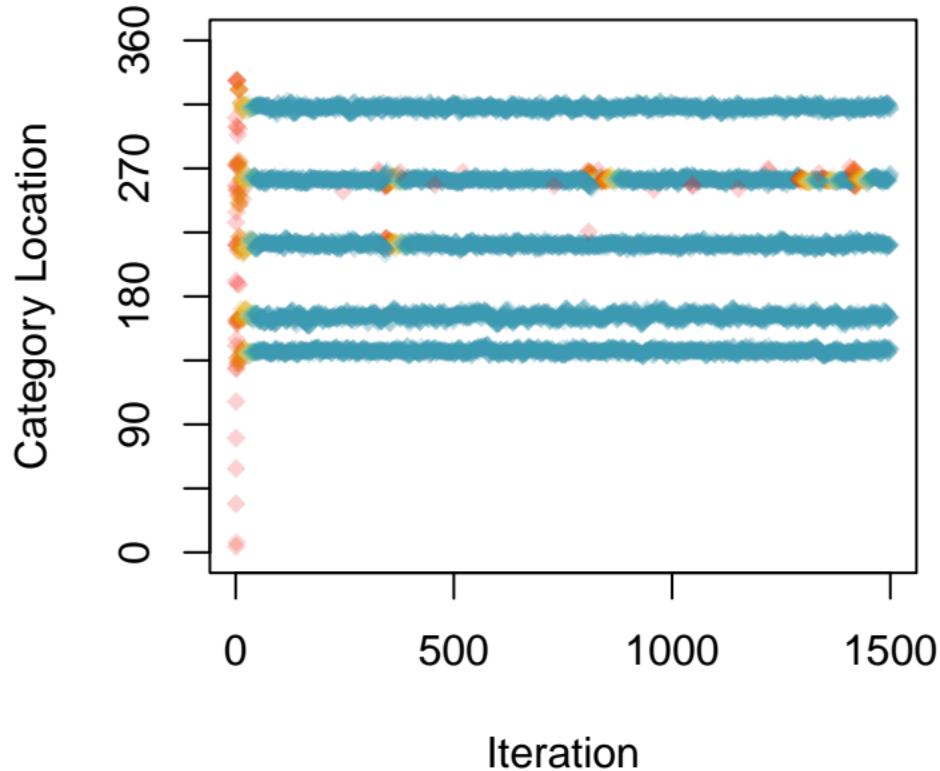
### Active catMu for pnum:18



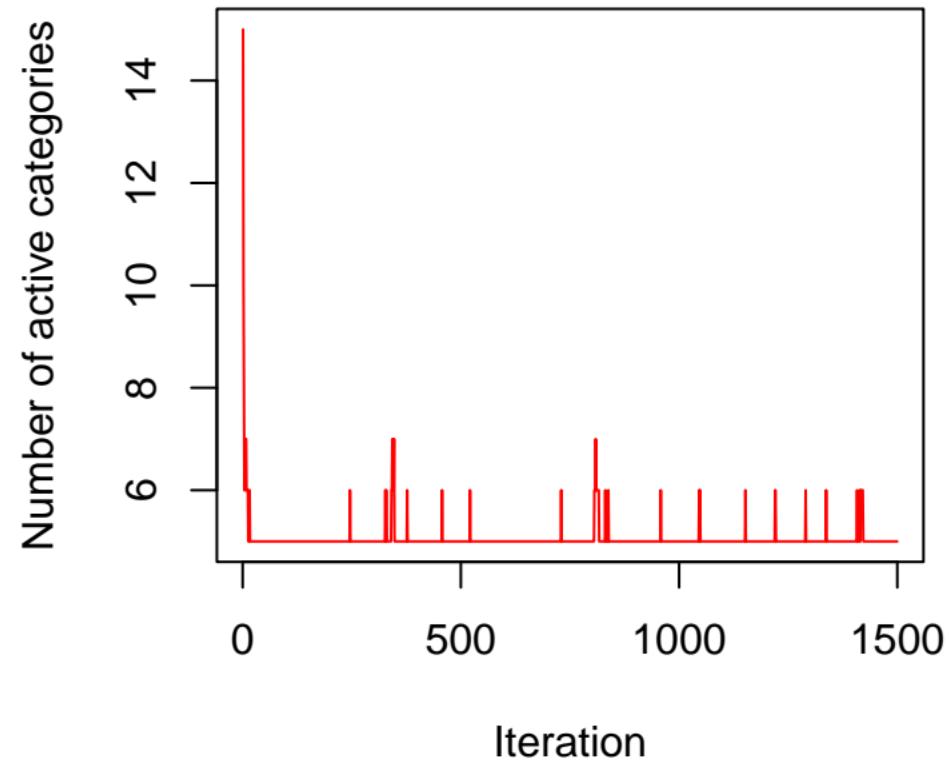
### Sum of catActive for pnum:18



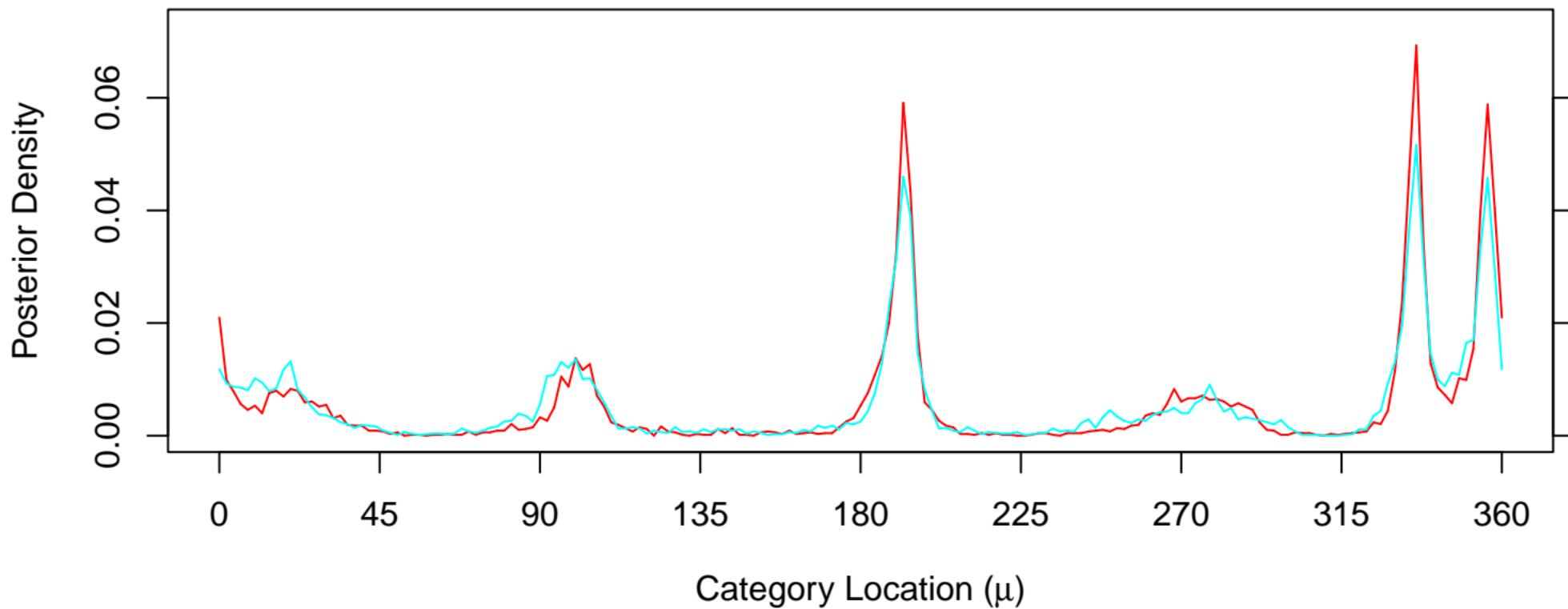
### Active catMu for pnum:18



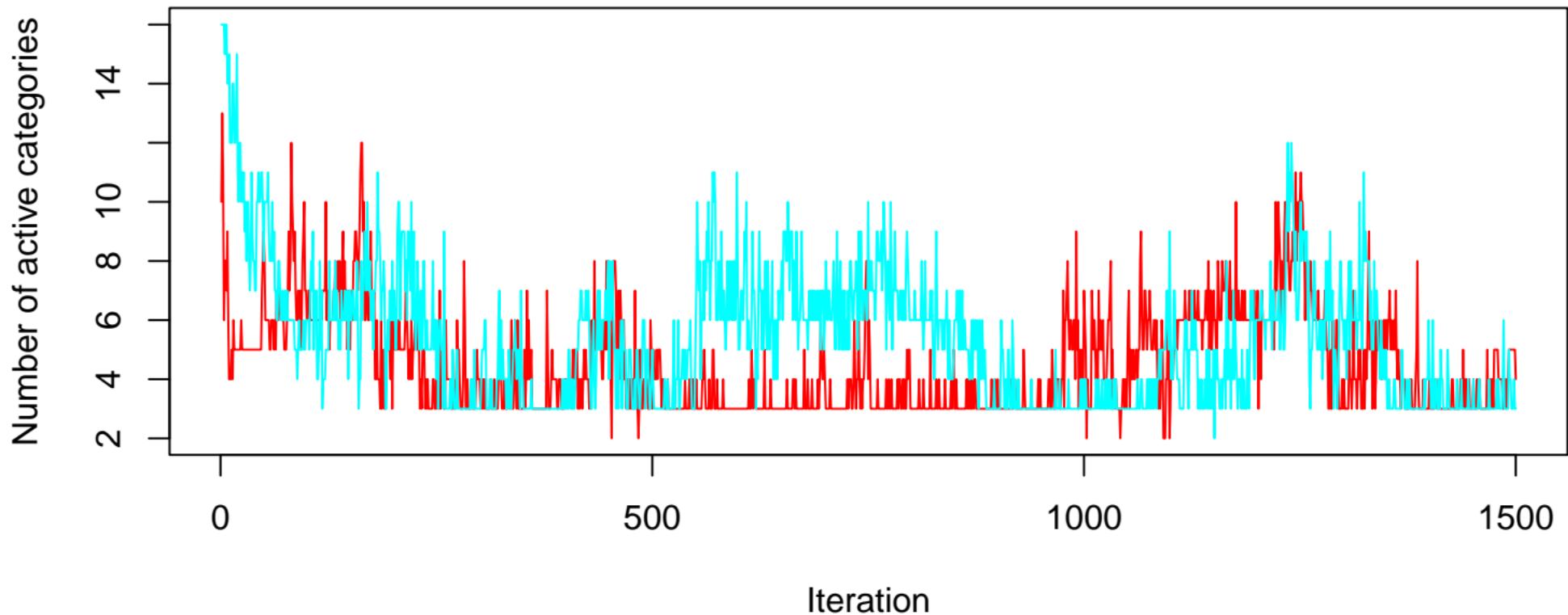
### Sum of catActive for pnum:18



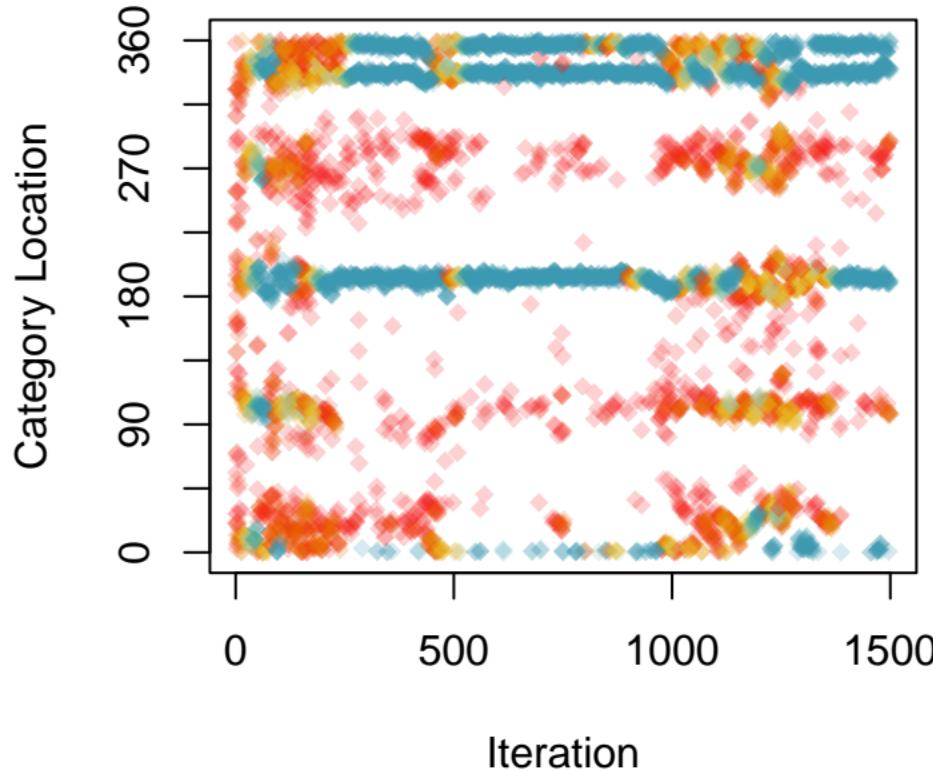
## Active catMu for pnum:19



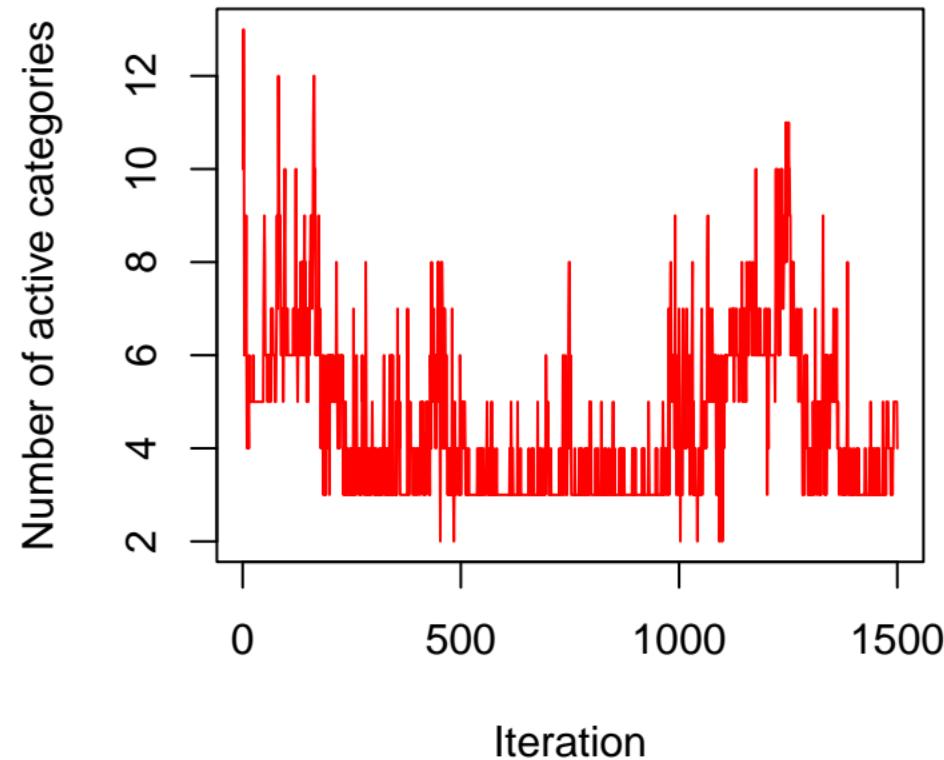
## Sum of catActive for pnum:19



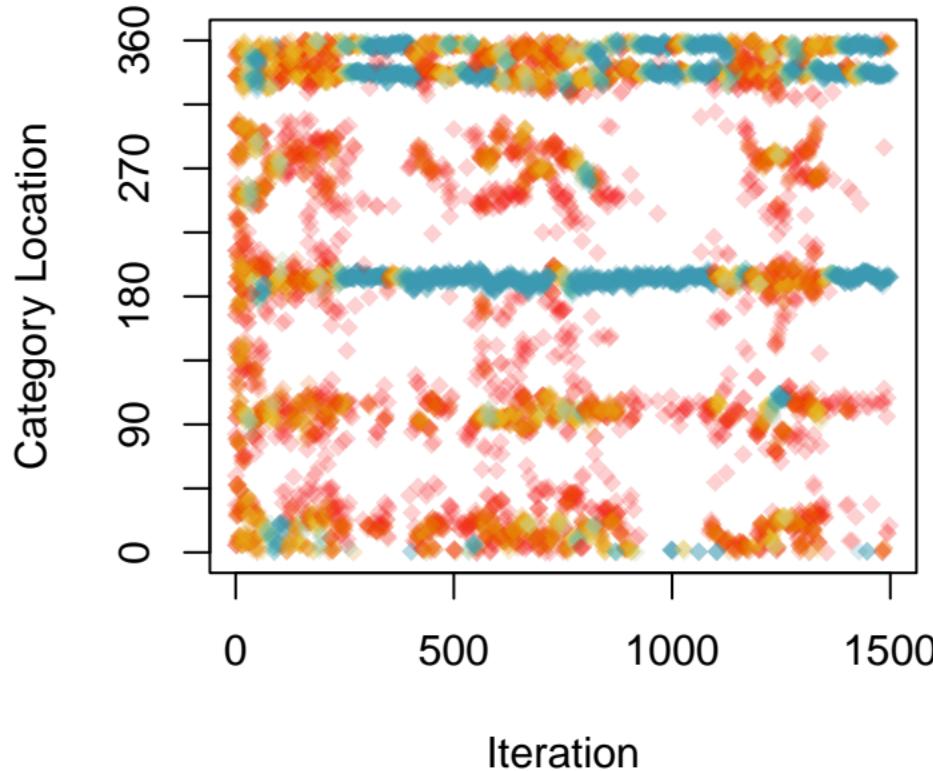
### Active catMu for pnum:19



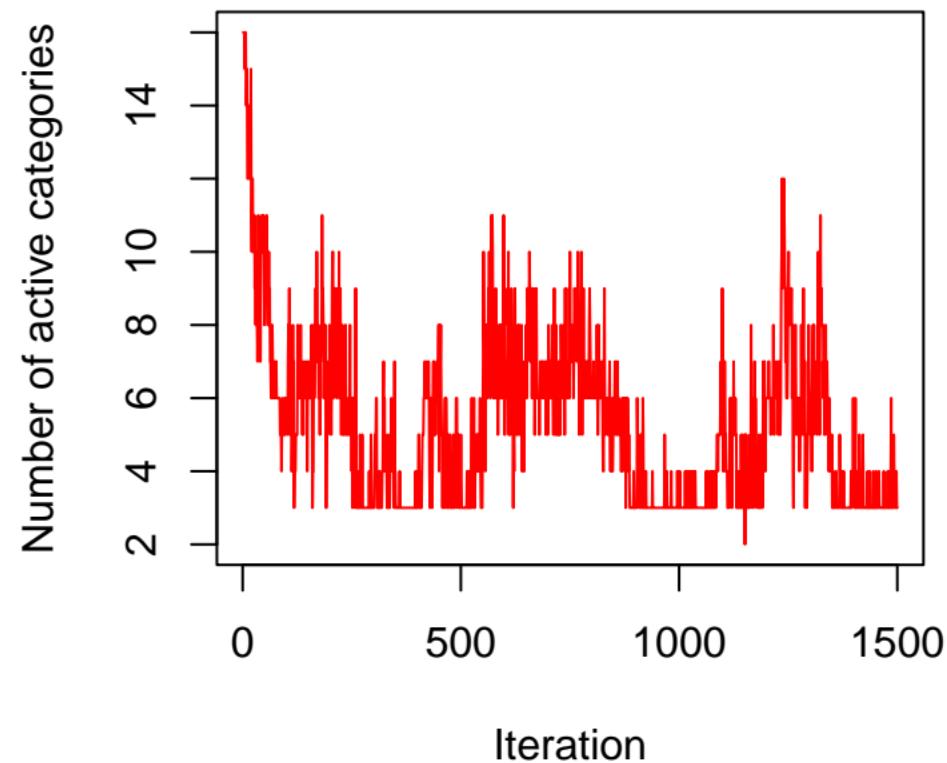
### Sum of catActive for pnum:19



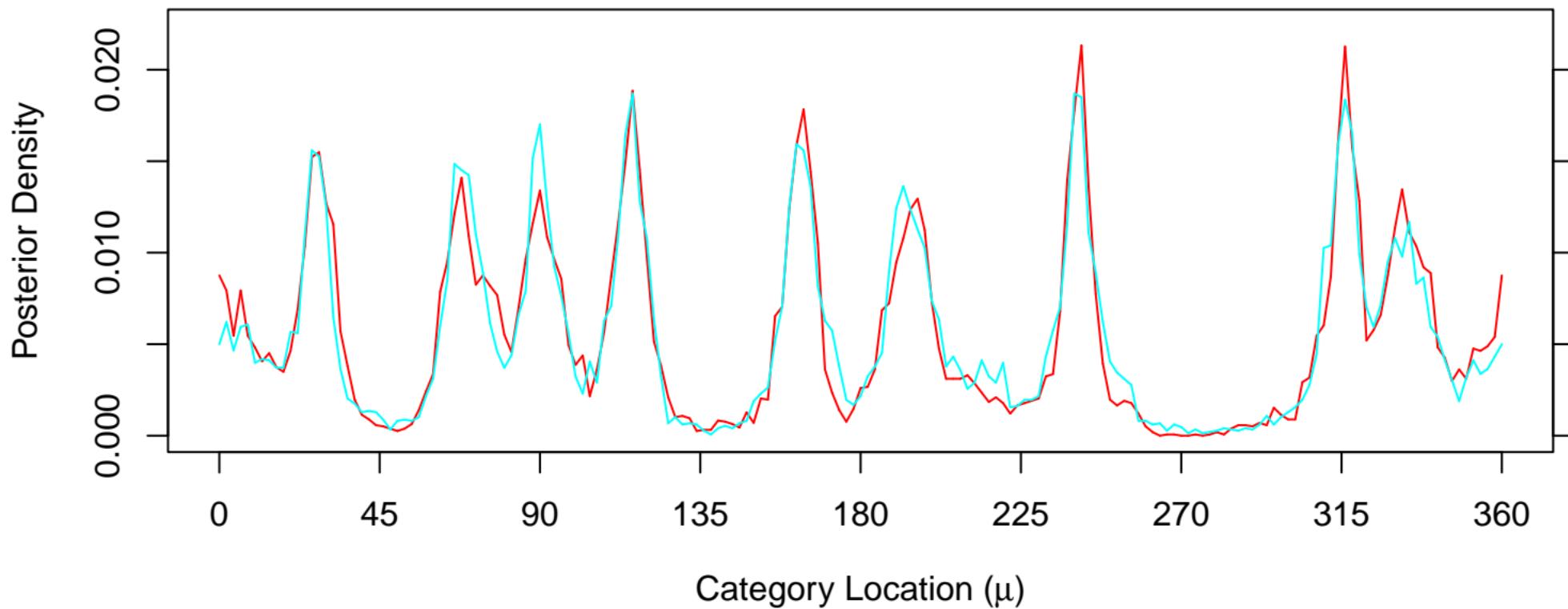
### Active catMu for pnum:19



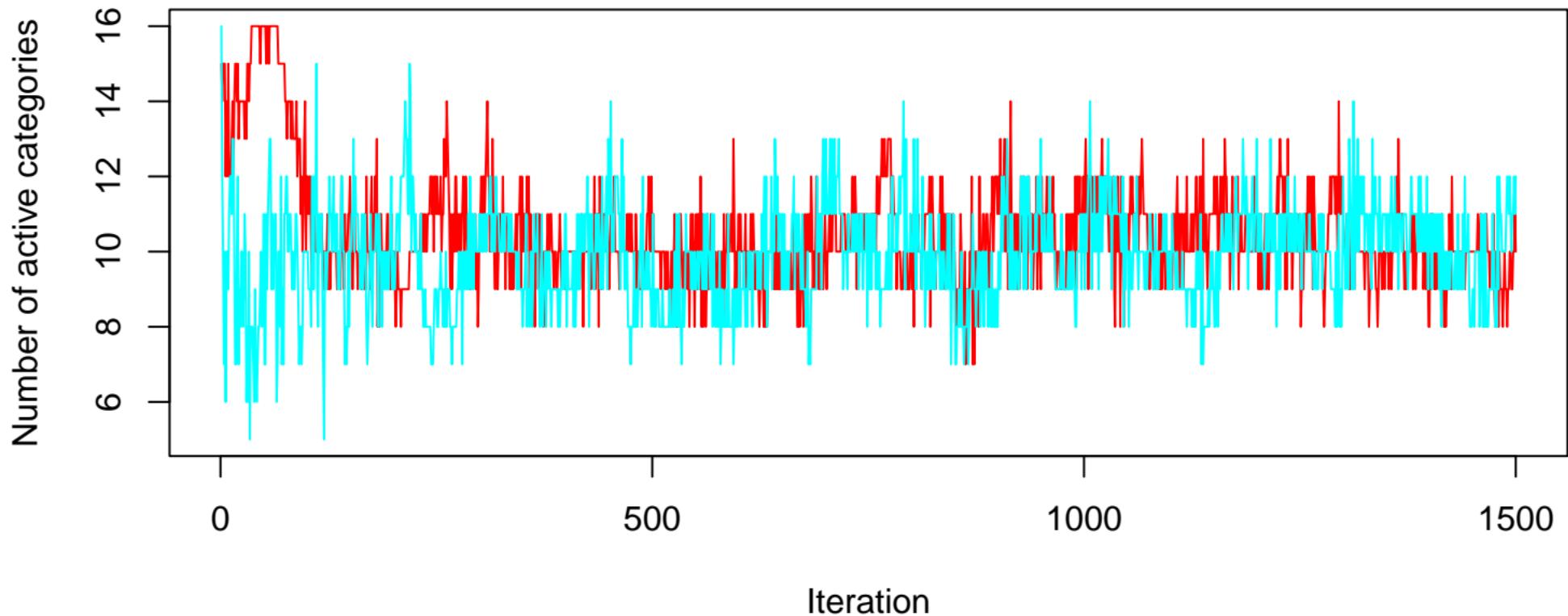
### Sum of catActive for pnum:19



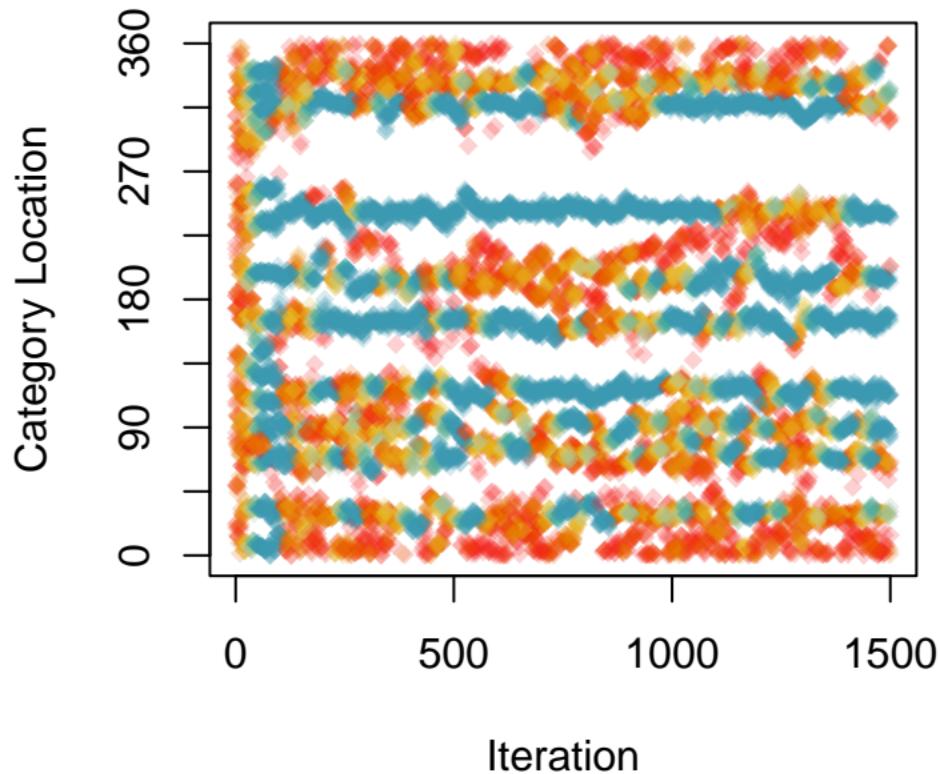
## Active catMu for pnum:2



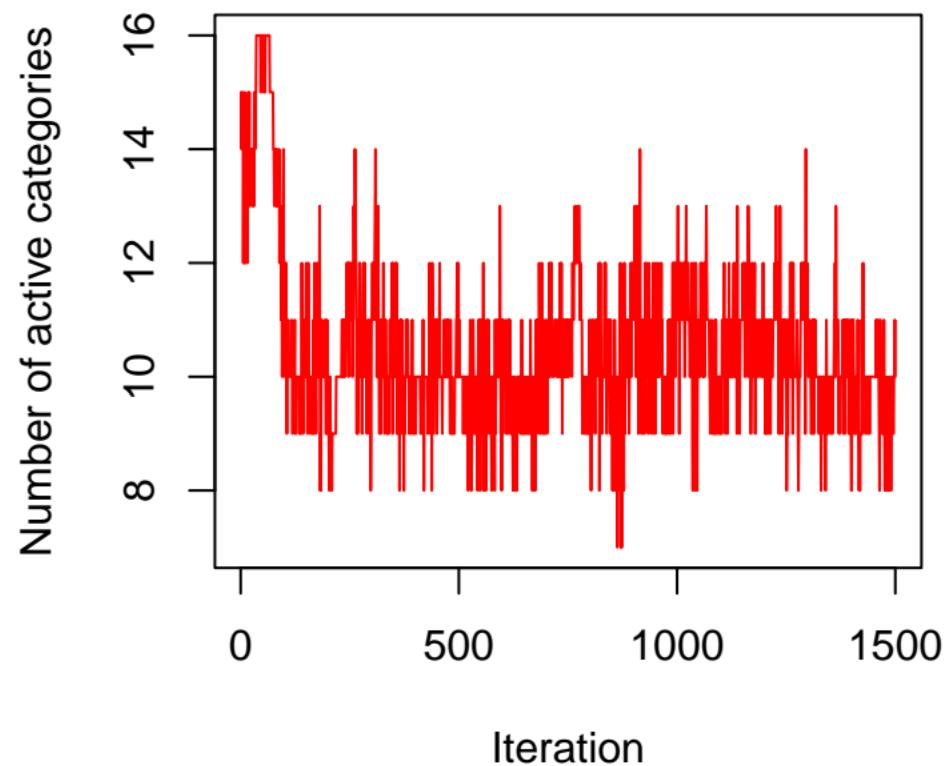
## Sum of catActive for pnum:2



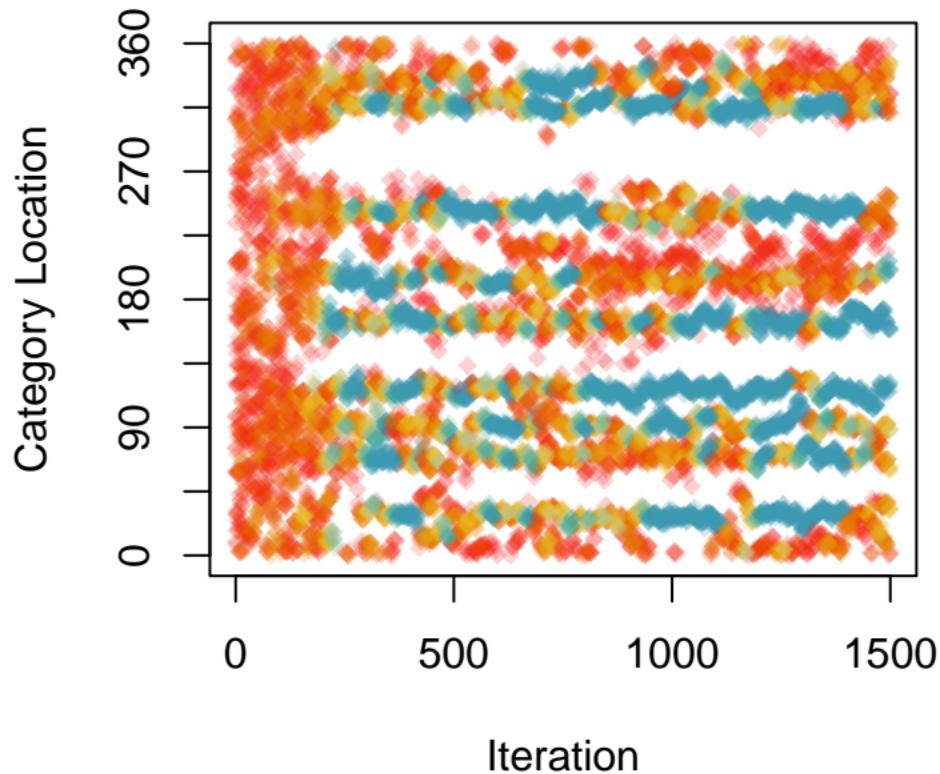
### Active catMu for pnum:2



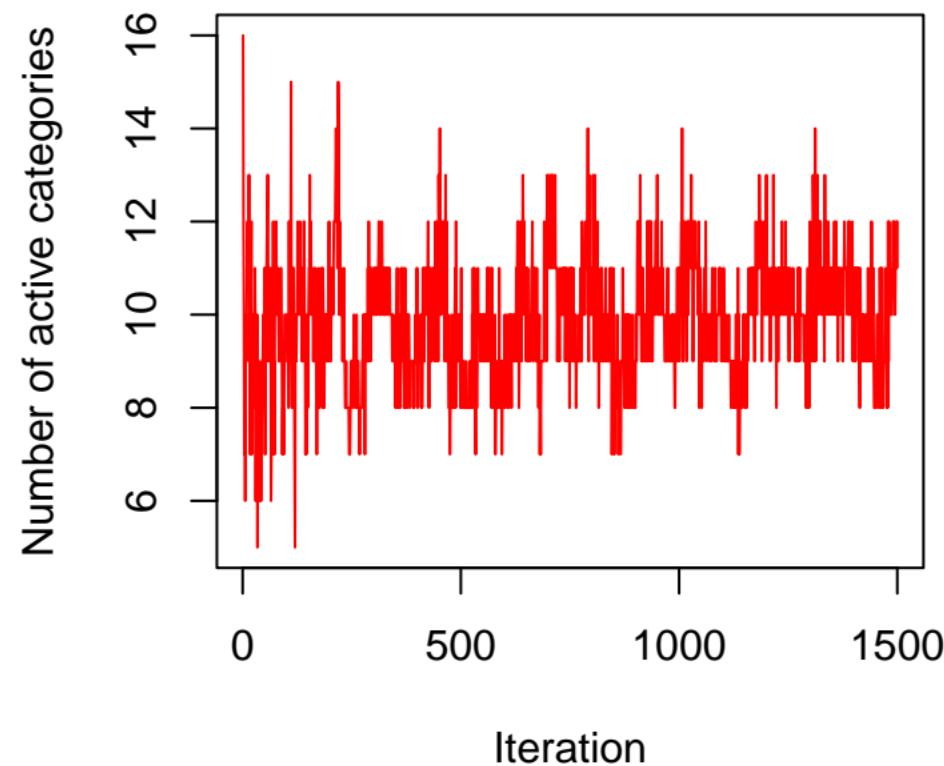
### Sum of catActive for pnum:2



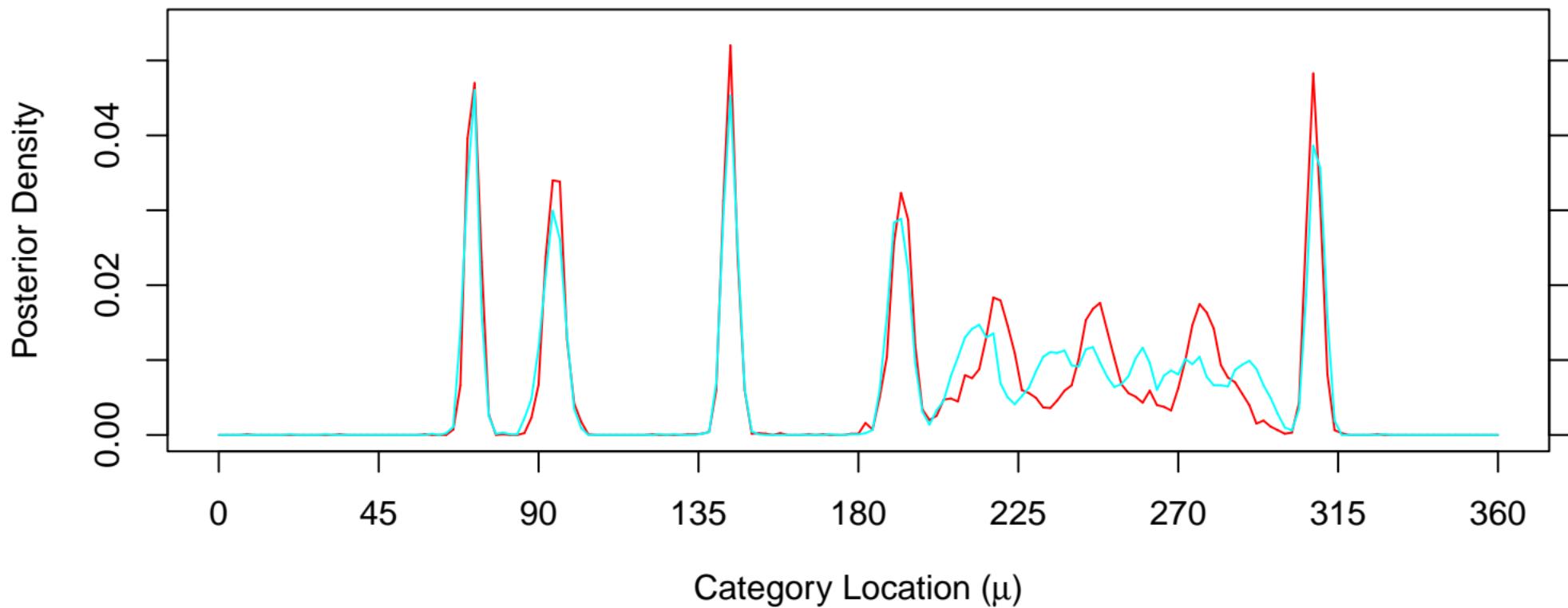
### Active catMu for pnum:2



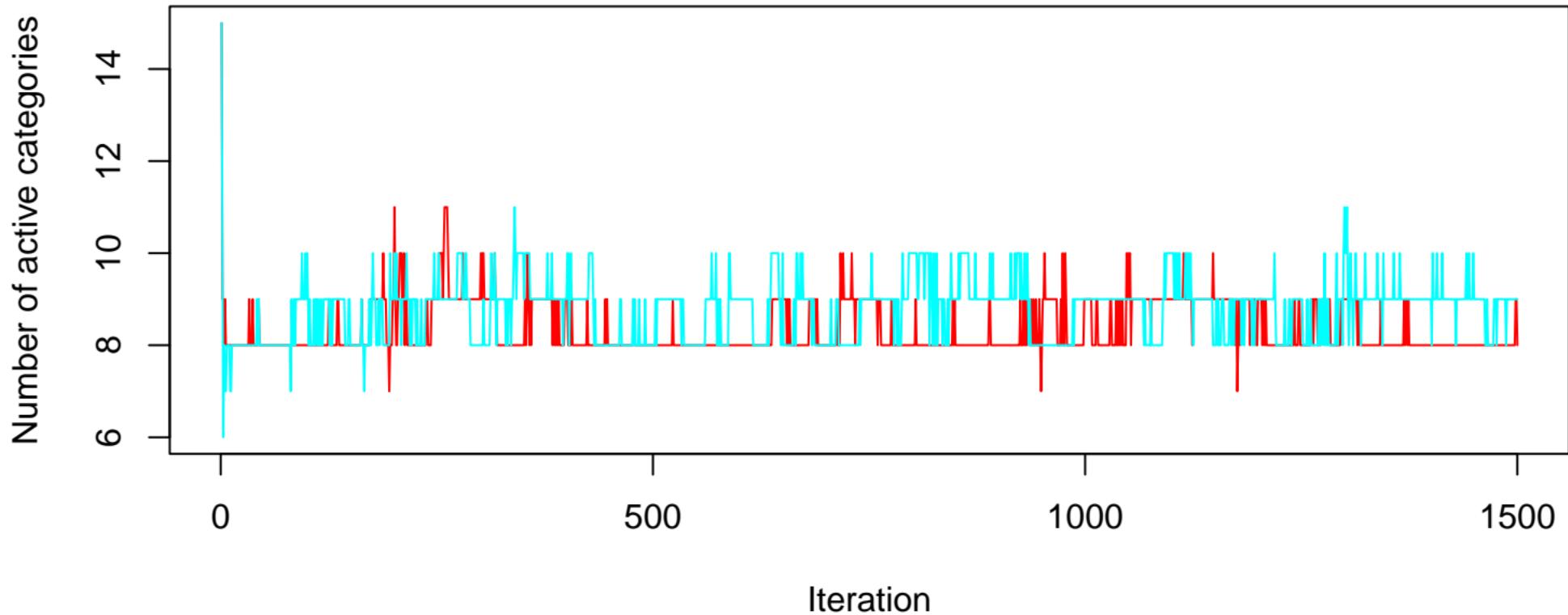
### Sum of catActive for pnum:2



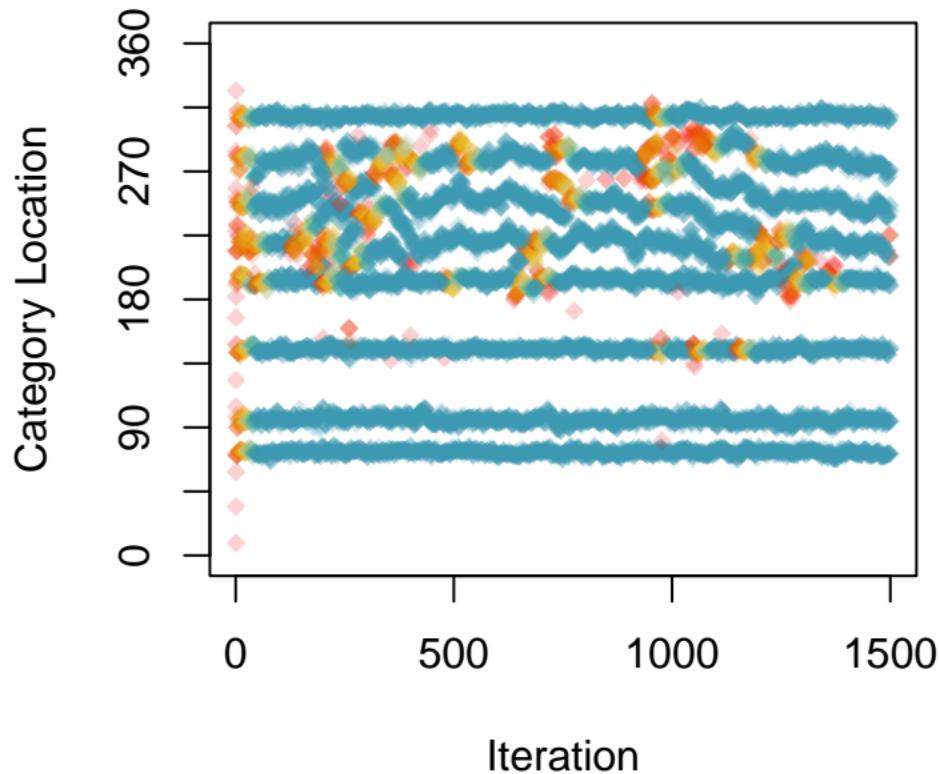
## Active catMu for pnum:20



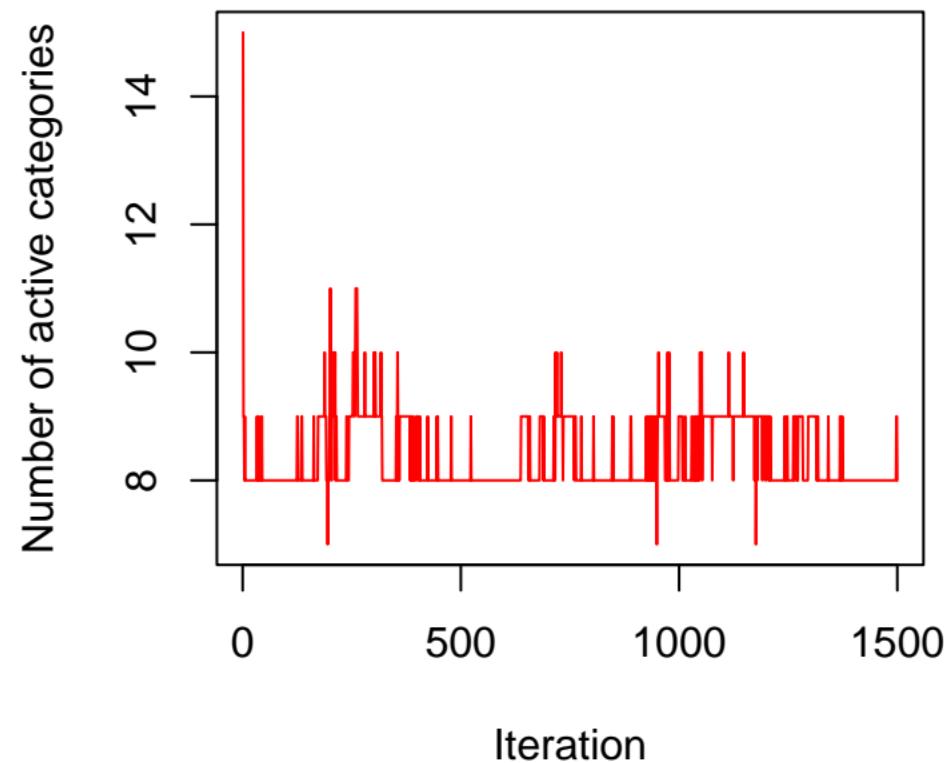
## Sum of catActive for pnum:20



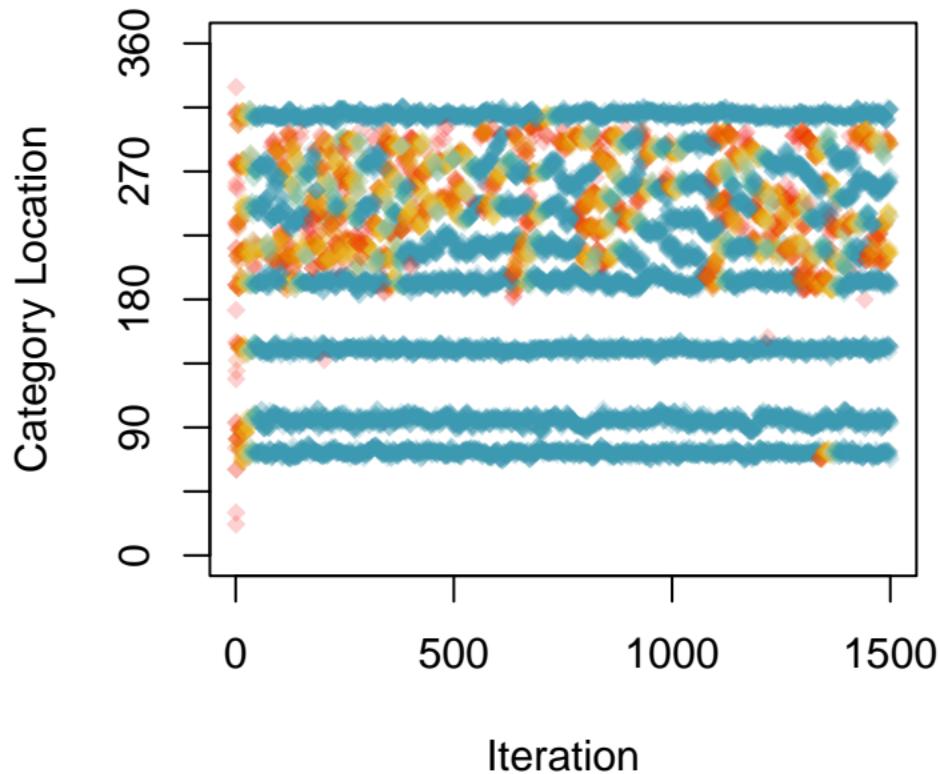
### Active catMu for pnum:20



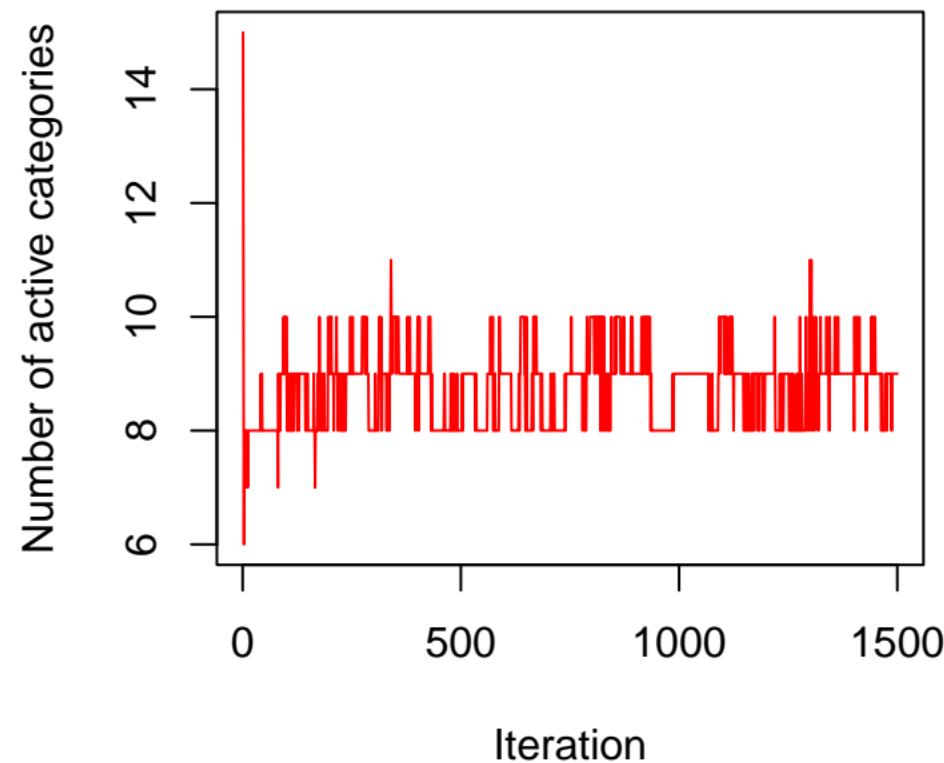
### Sum of catActive for pnum:20



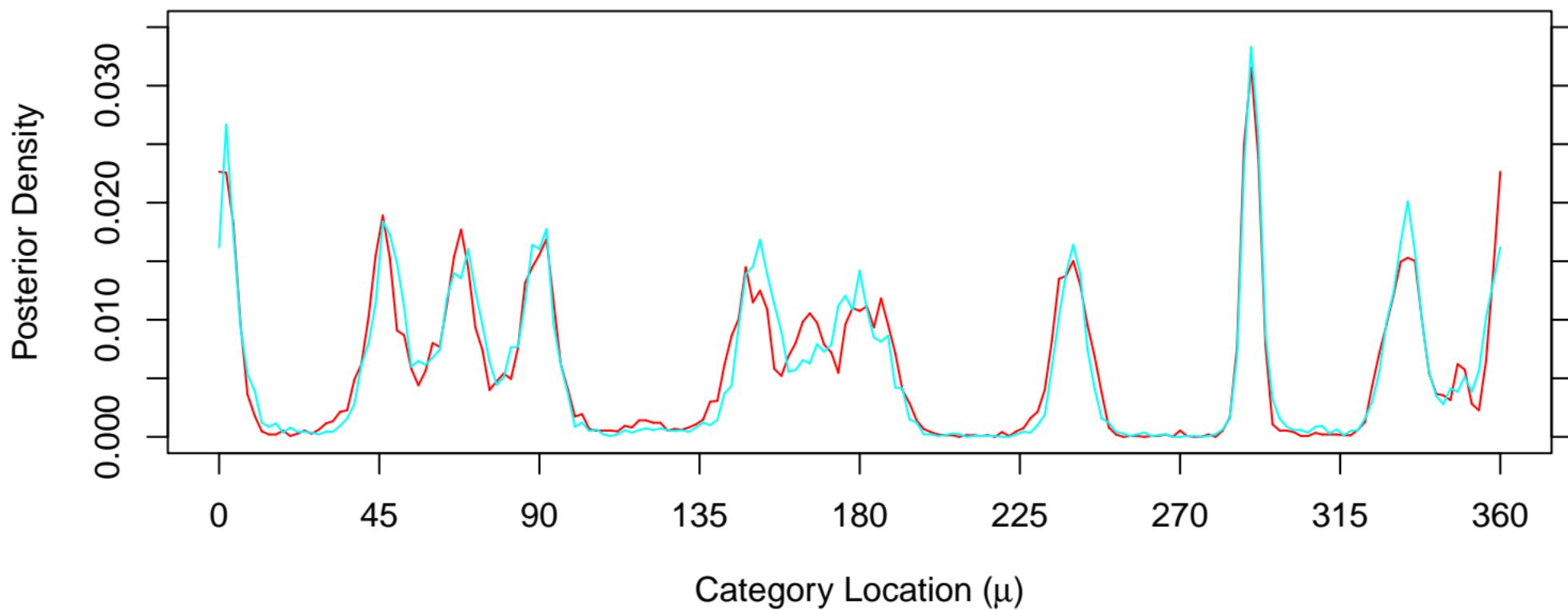
### Active catMu for pnum:20



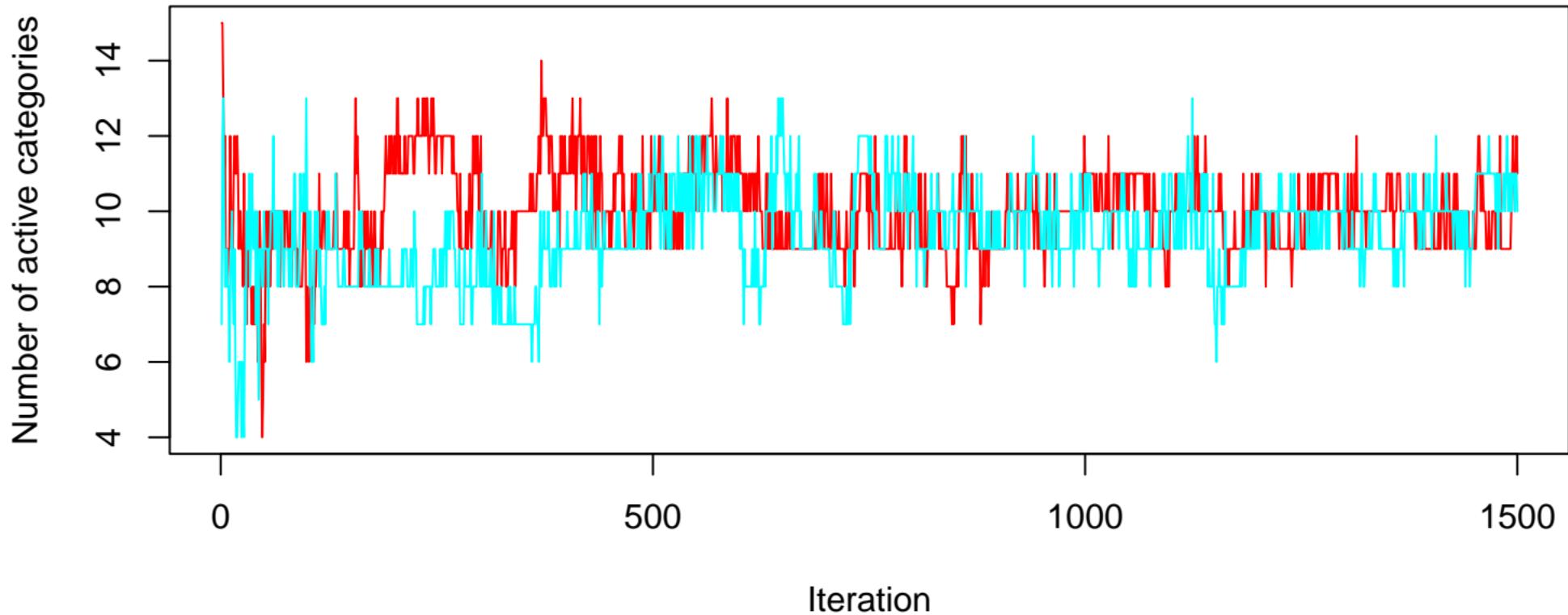
### Sum of catActive for pnum:20



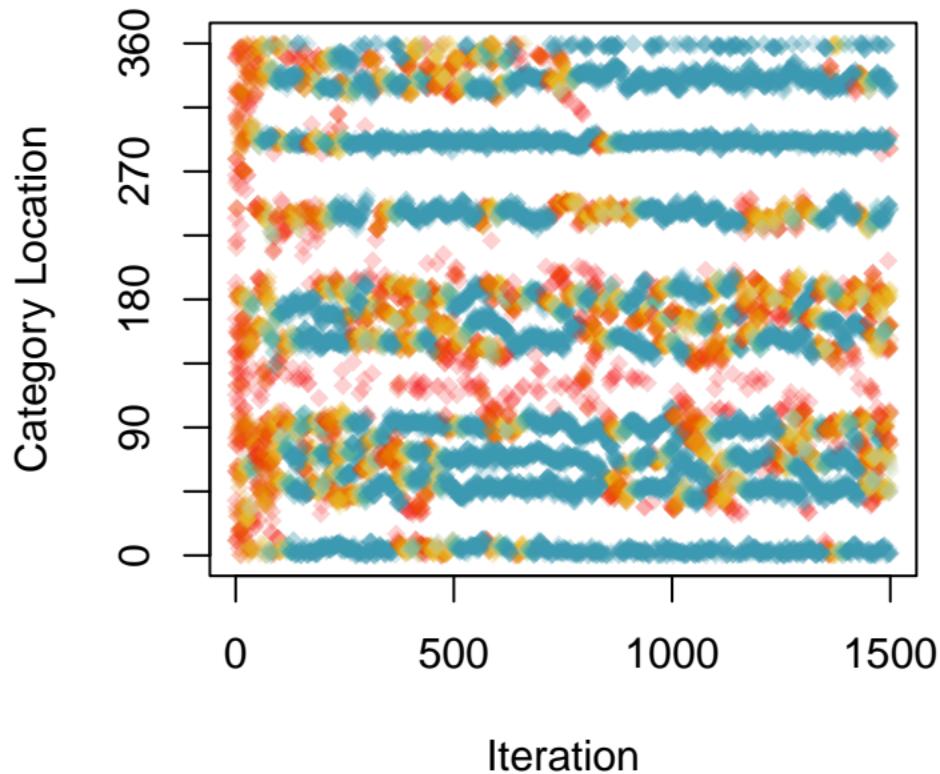
## Active catMu for pnum:3



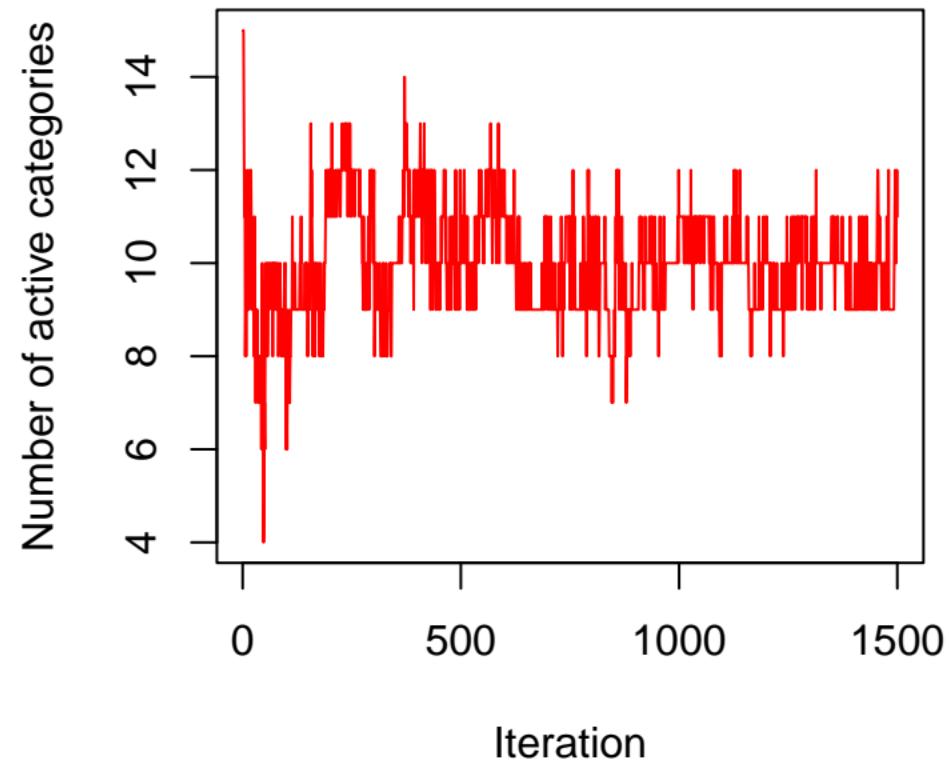
## Sum of catActive for pnum:3



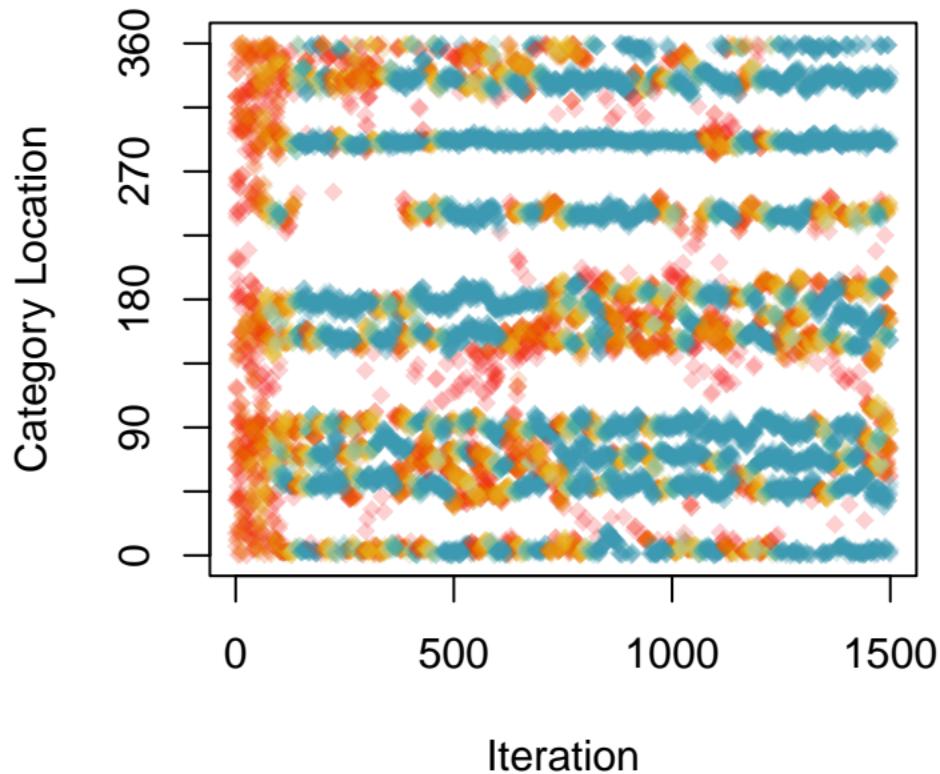
### Active catMu for pnum:3



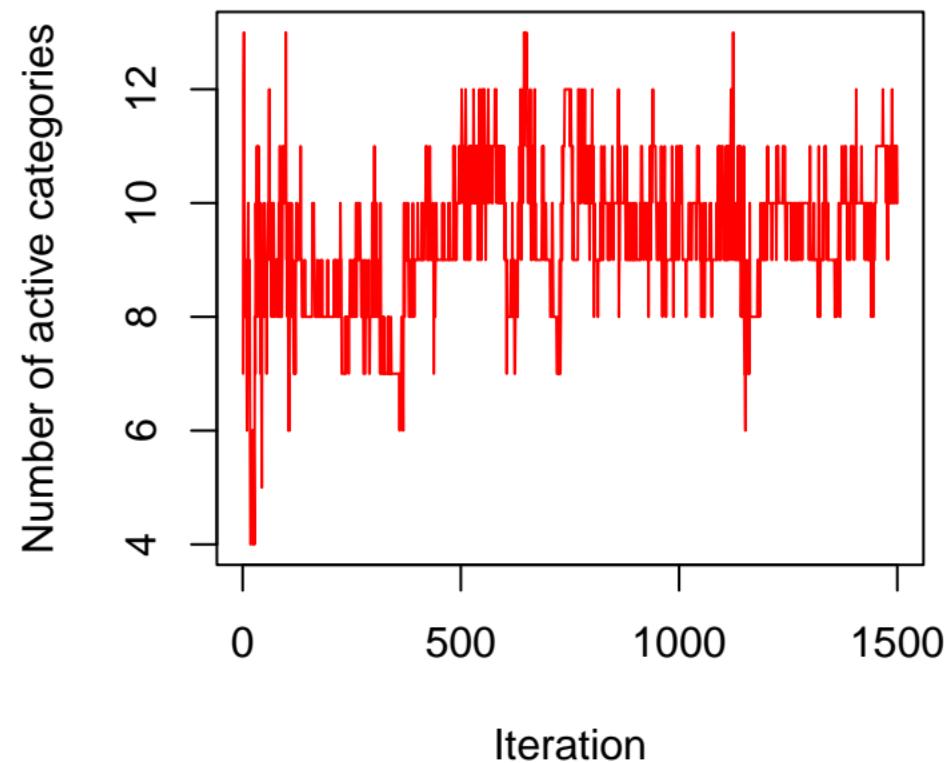
### Sum of catActive for pnum:3



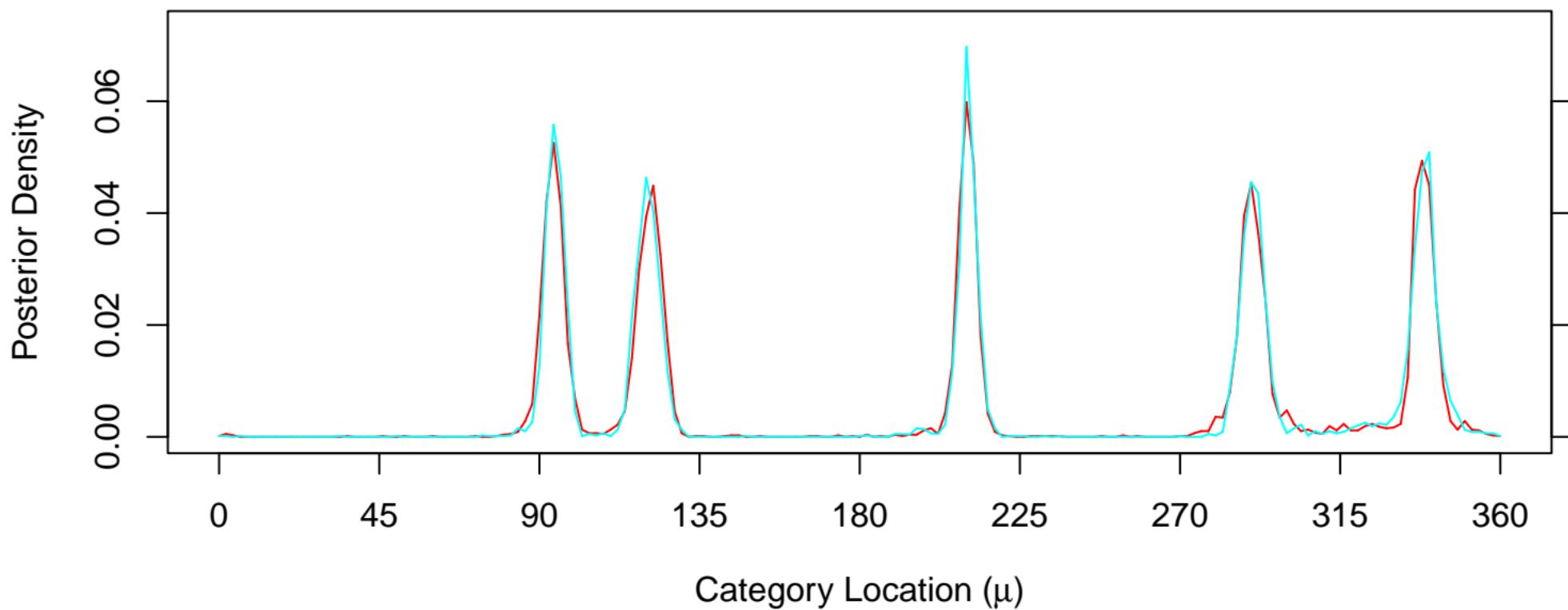
### Active catMu for pnum:3



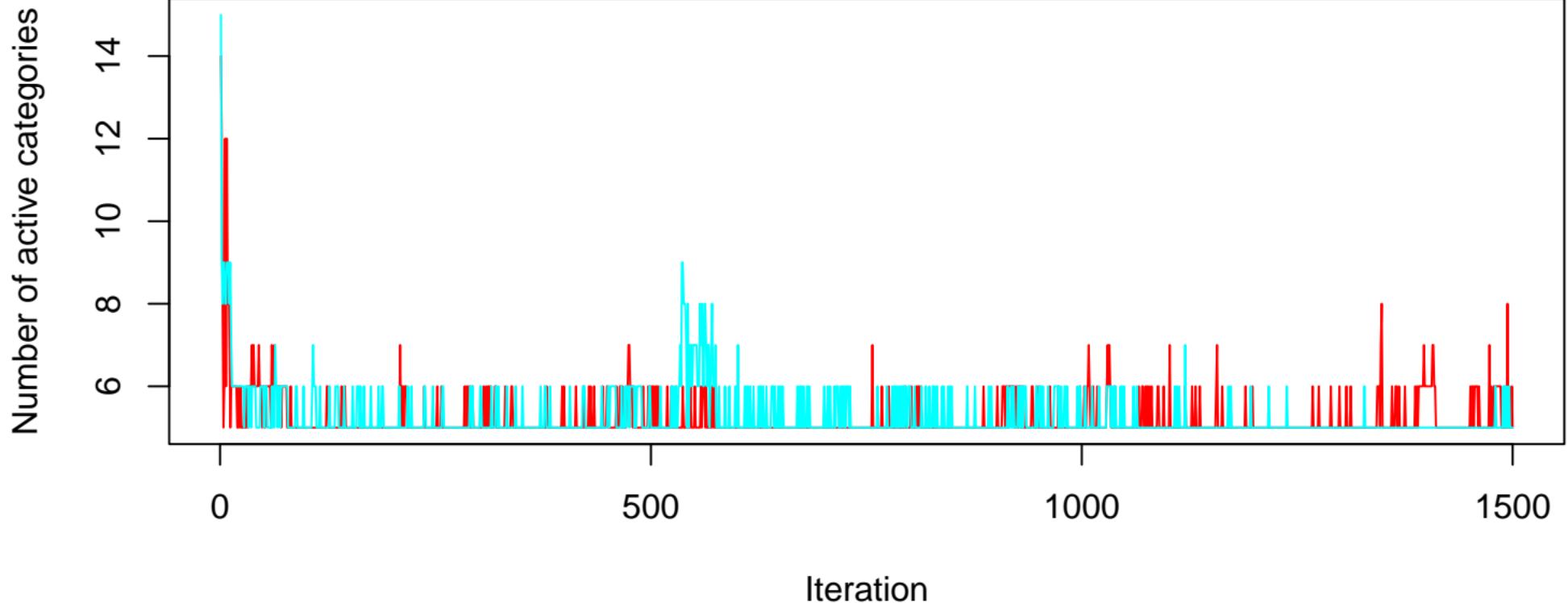
### Sum of catActive for pnum:3



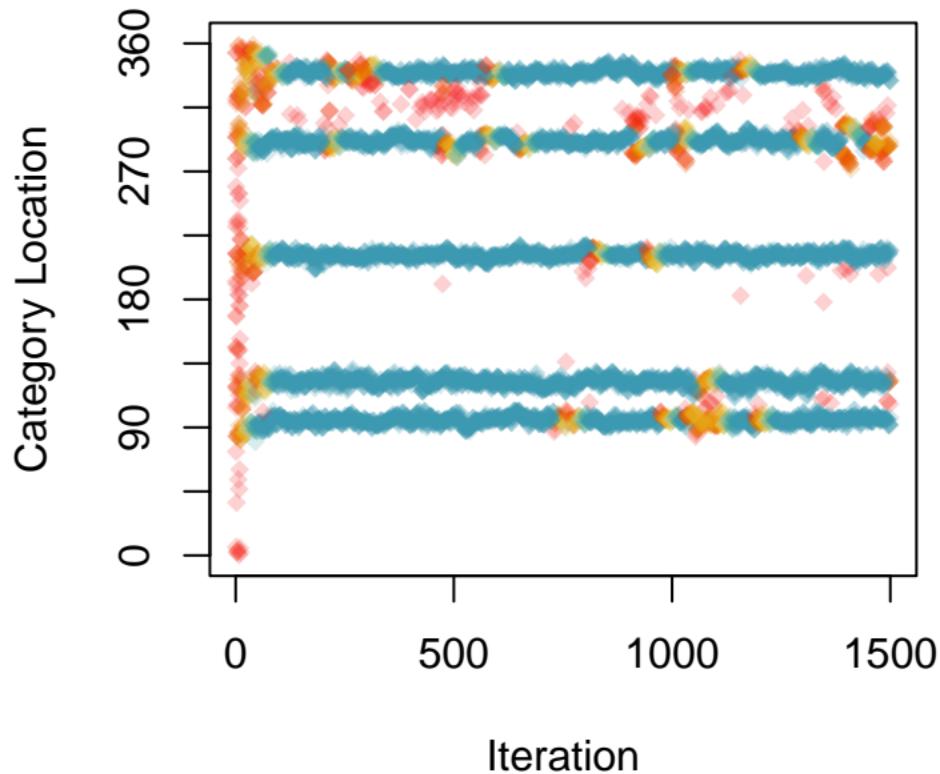
## Active catMu for pnum:4



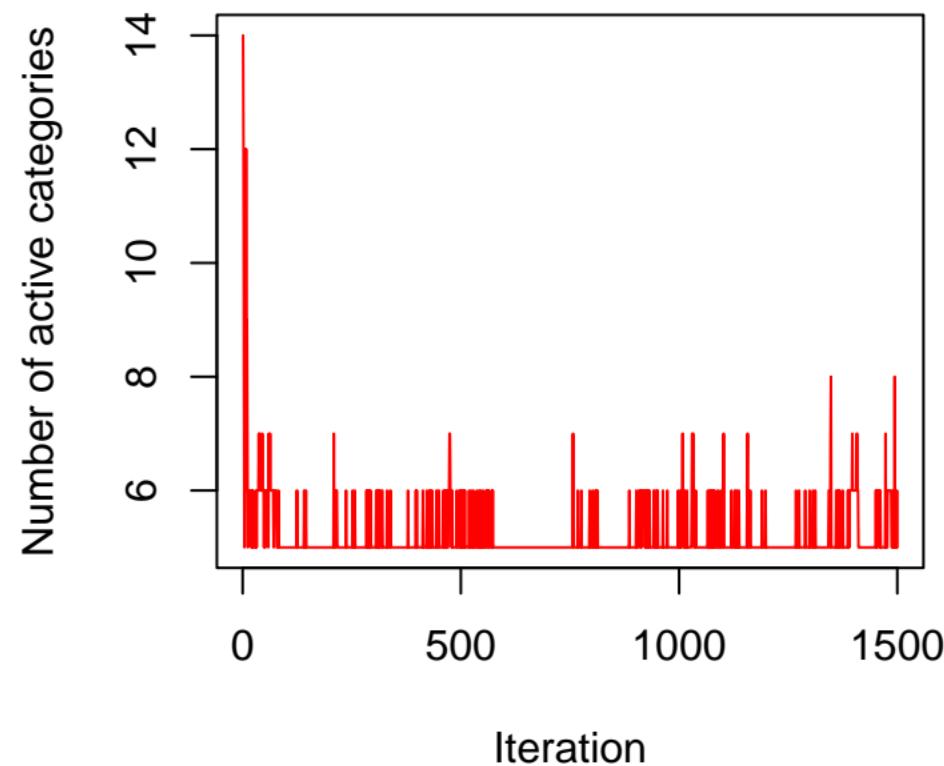
## Sum of catActive for pnum:4



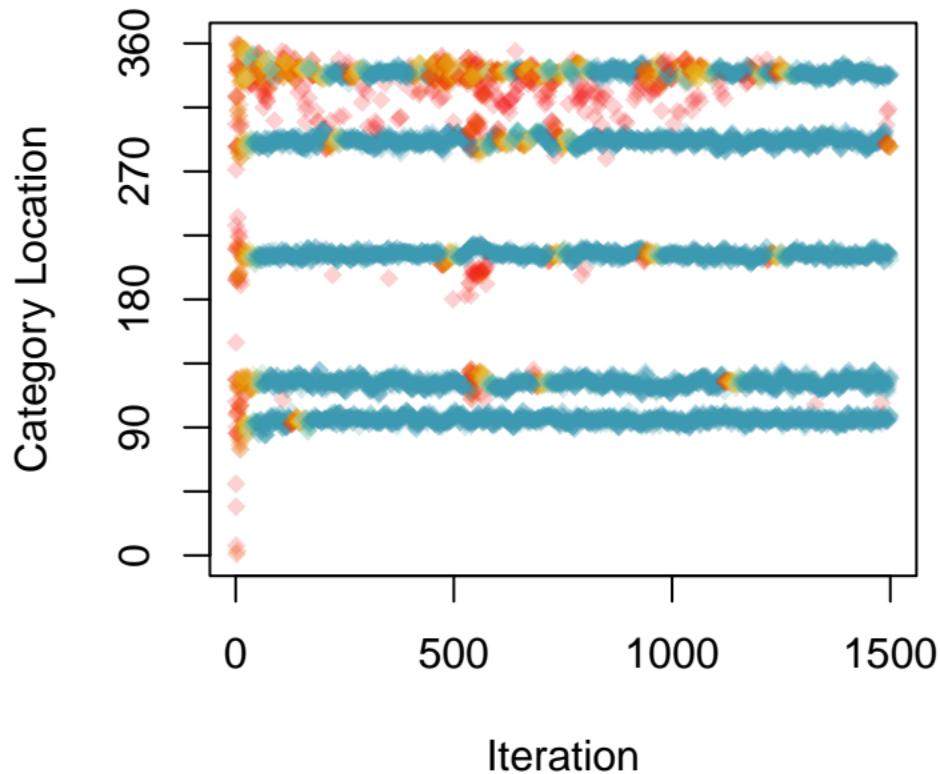
### Active catMu for pnum:4



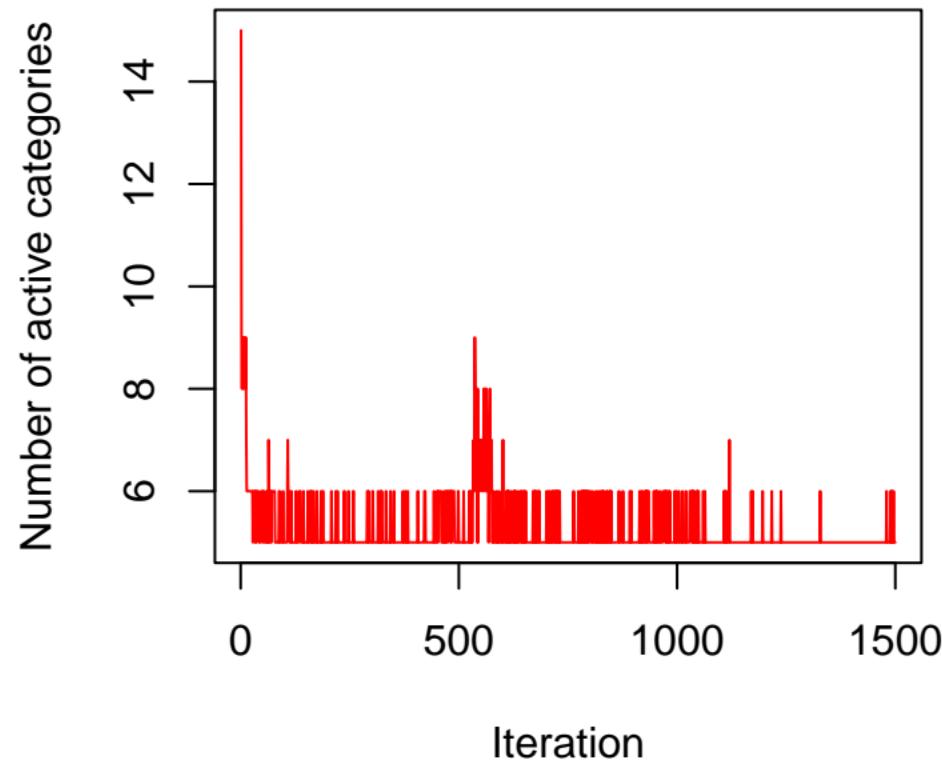
### Sum of catActive for pnum:4



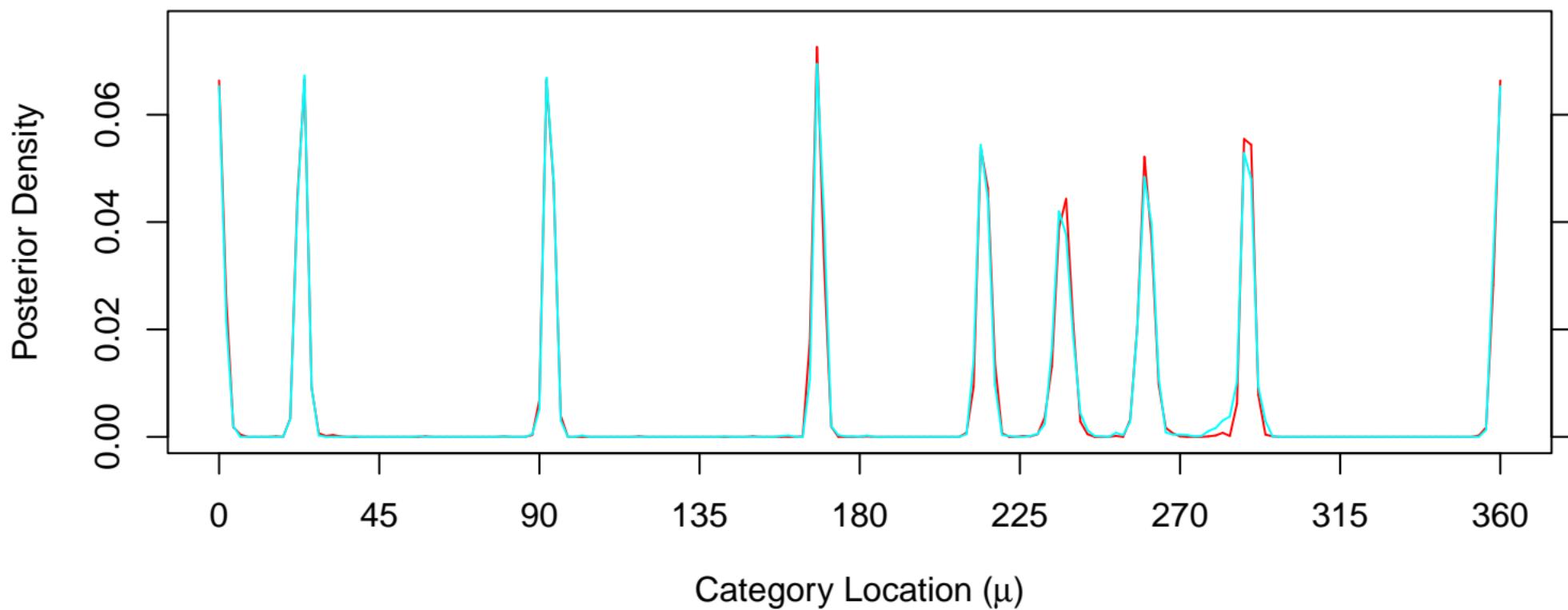
### Active catMu for pnum:4



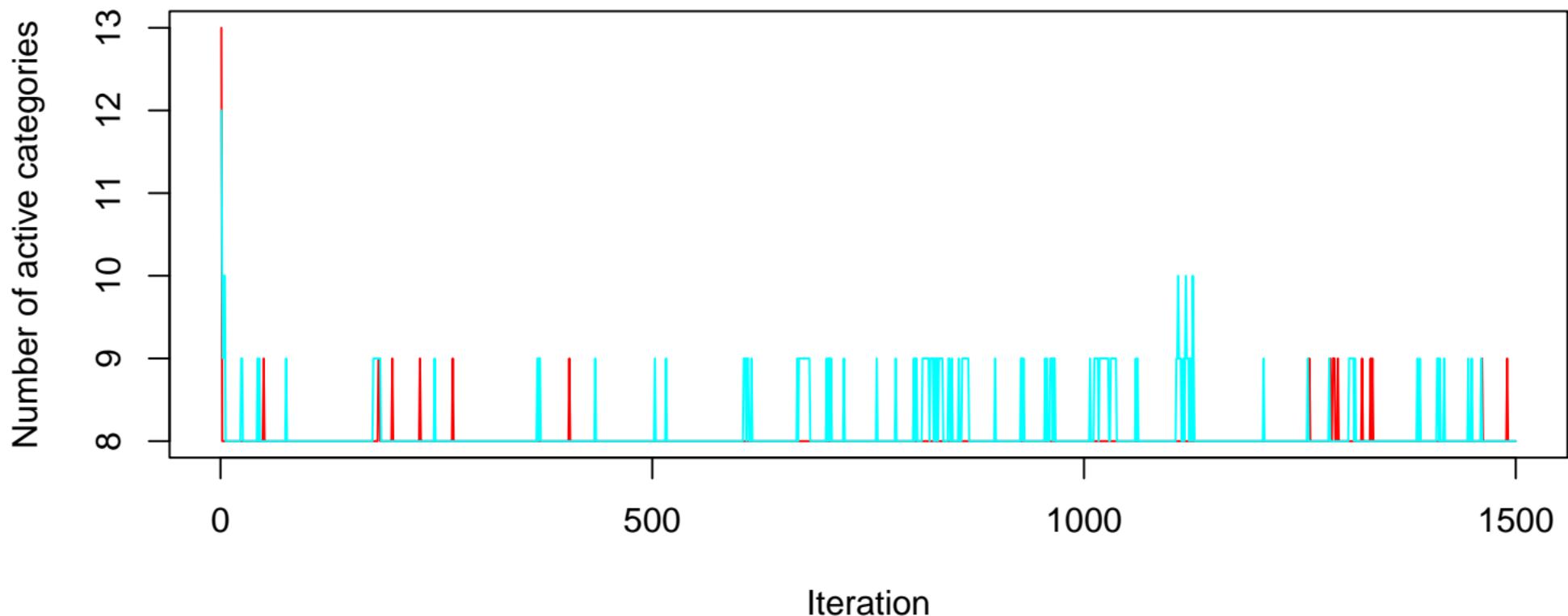
### Sum of catActive for pnum:4



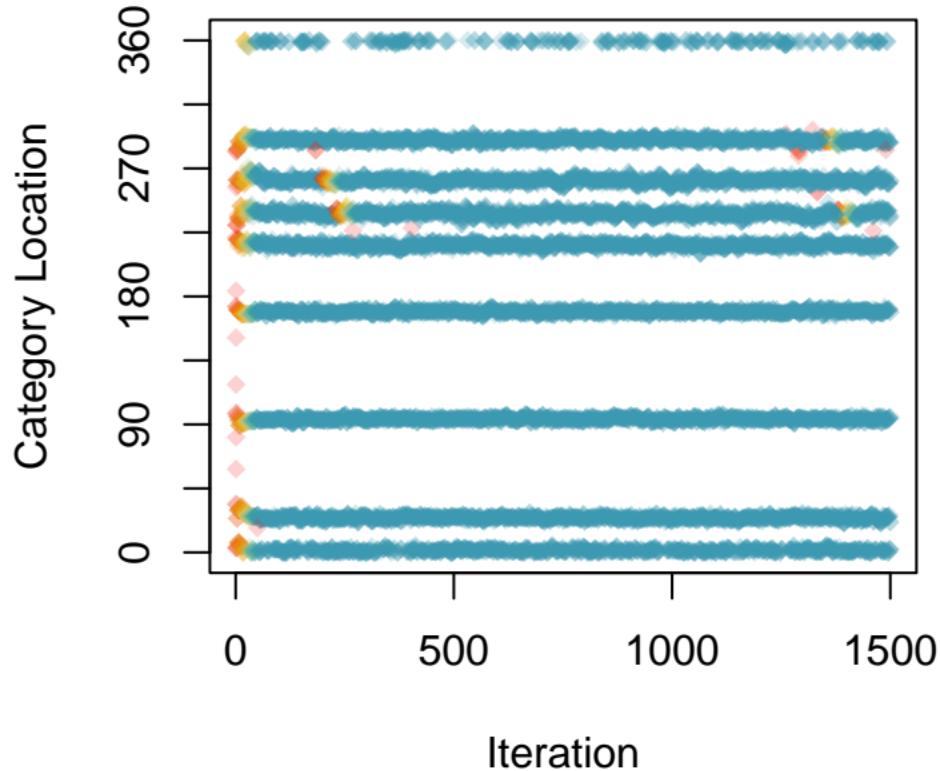
## Active catMu for pnum:5



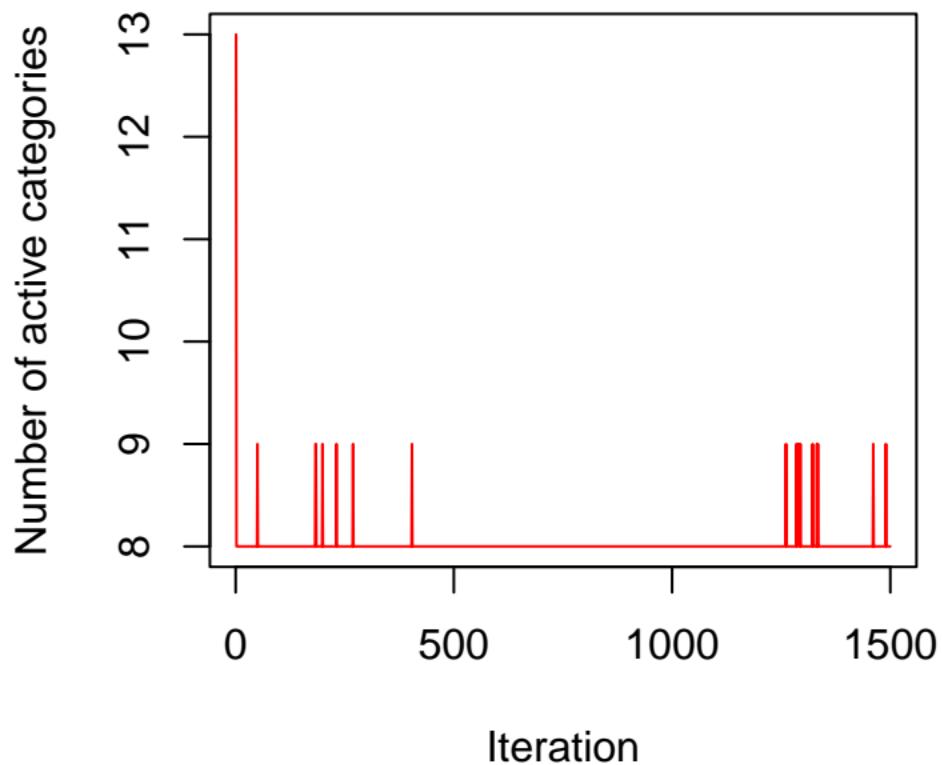
## Sum of catActive for pnum:5



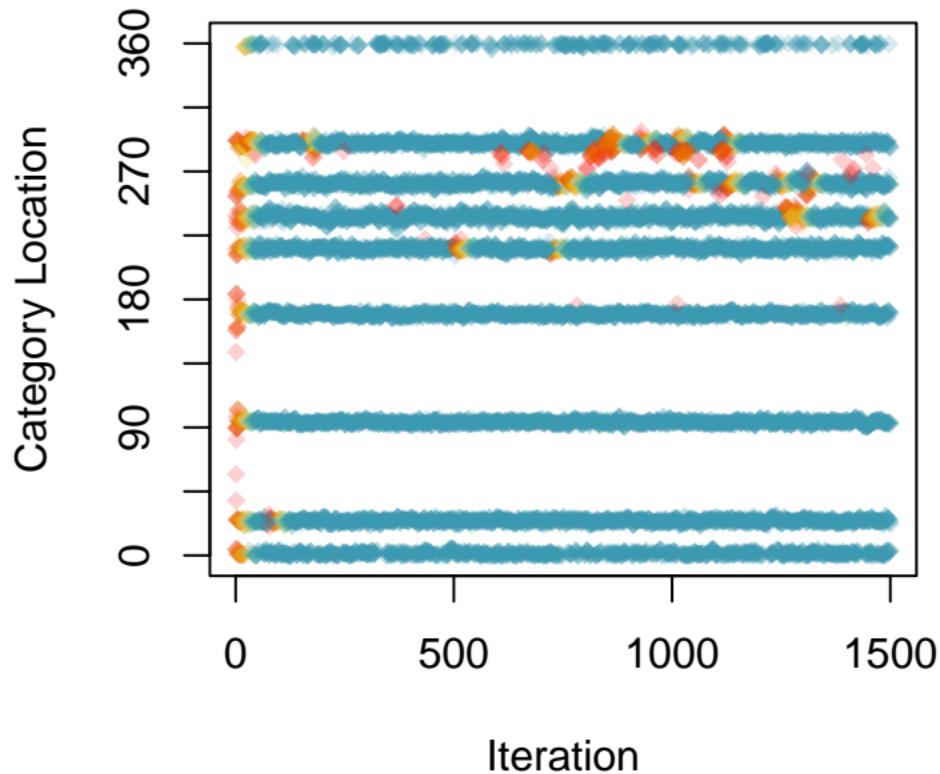
### Active catMu for pnum:5



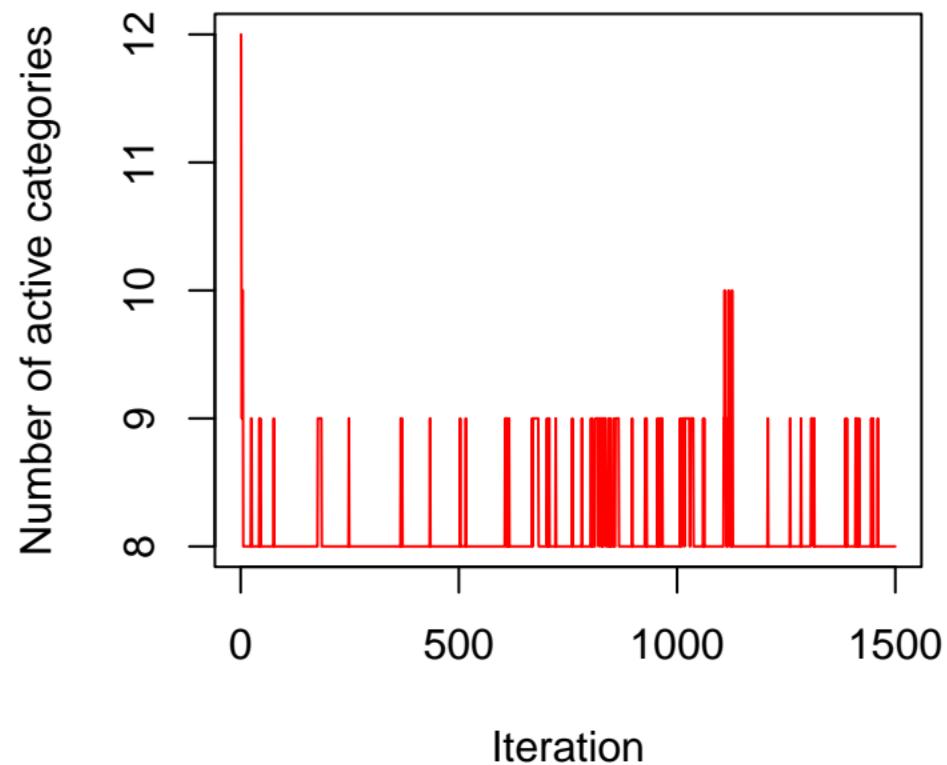
### Sum of catActive for pnum:5



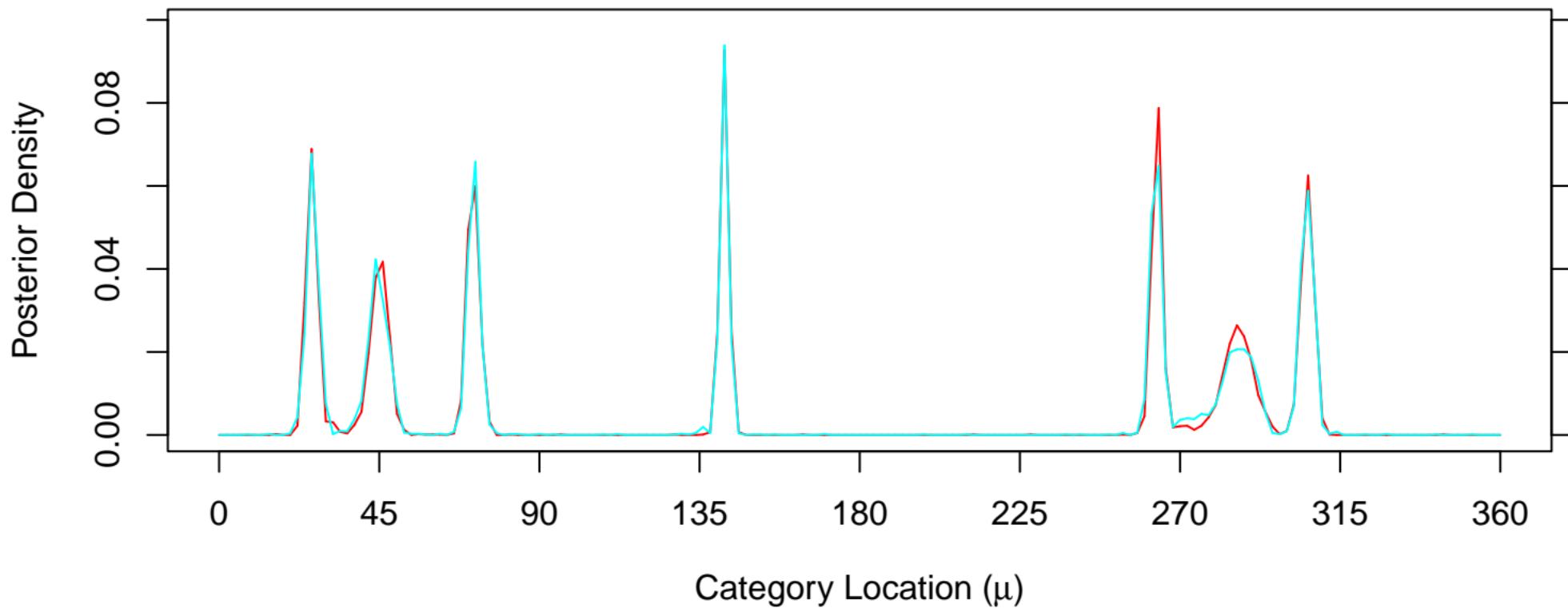
### Active catMu for pnum:5



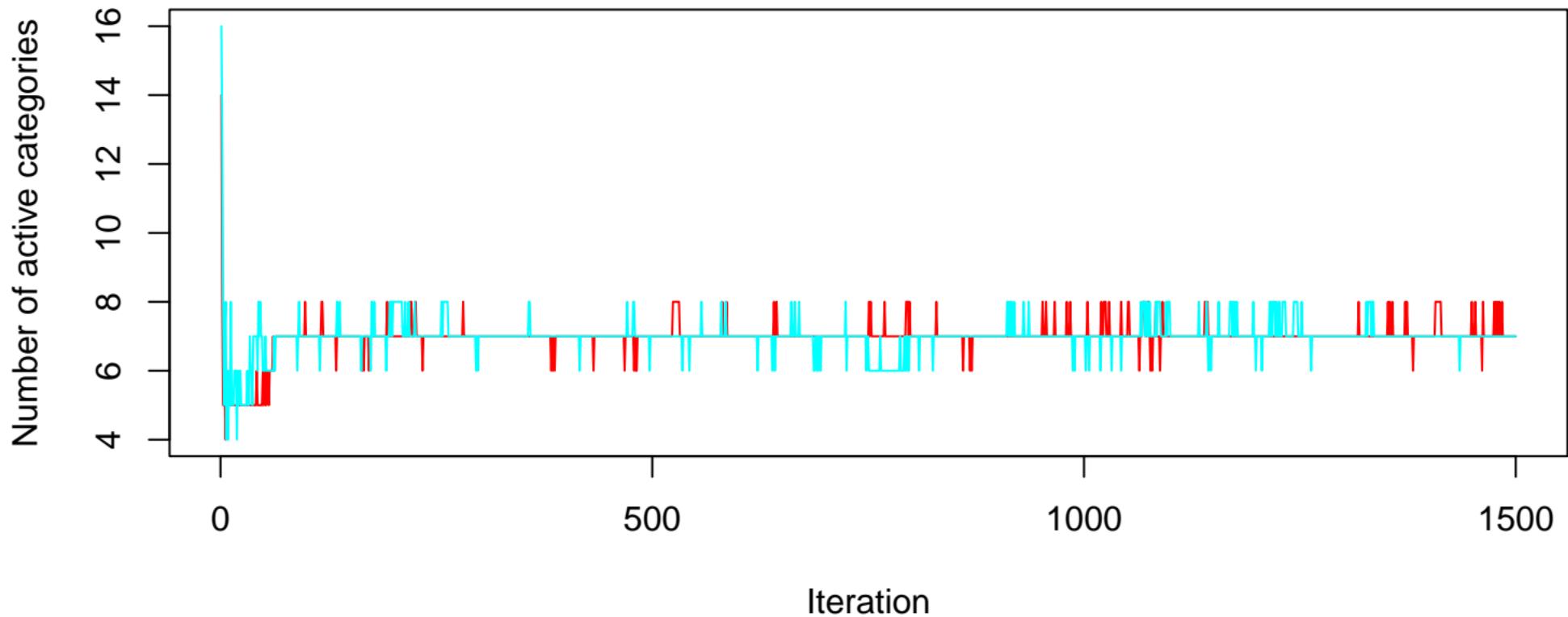
### Sum of catActive for pnum:5



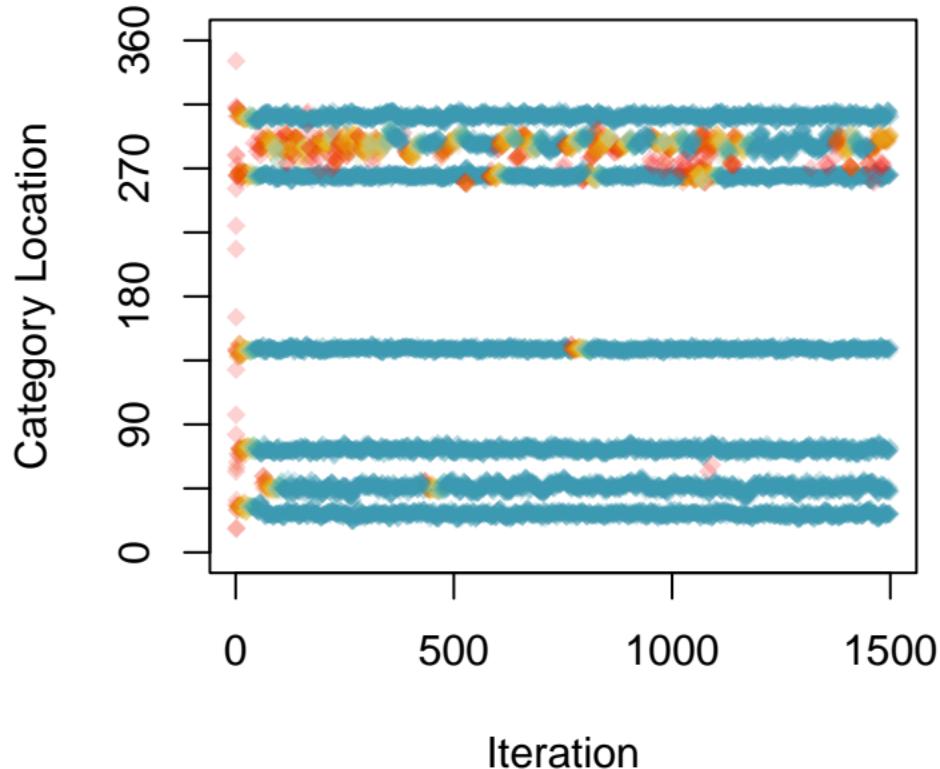
## Active catMu for pnum:6



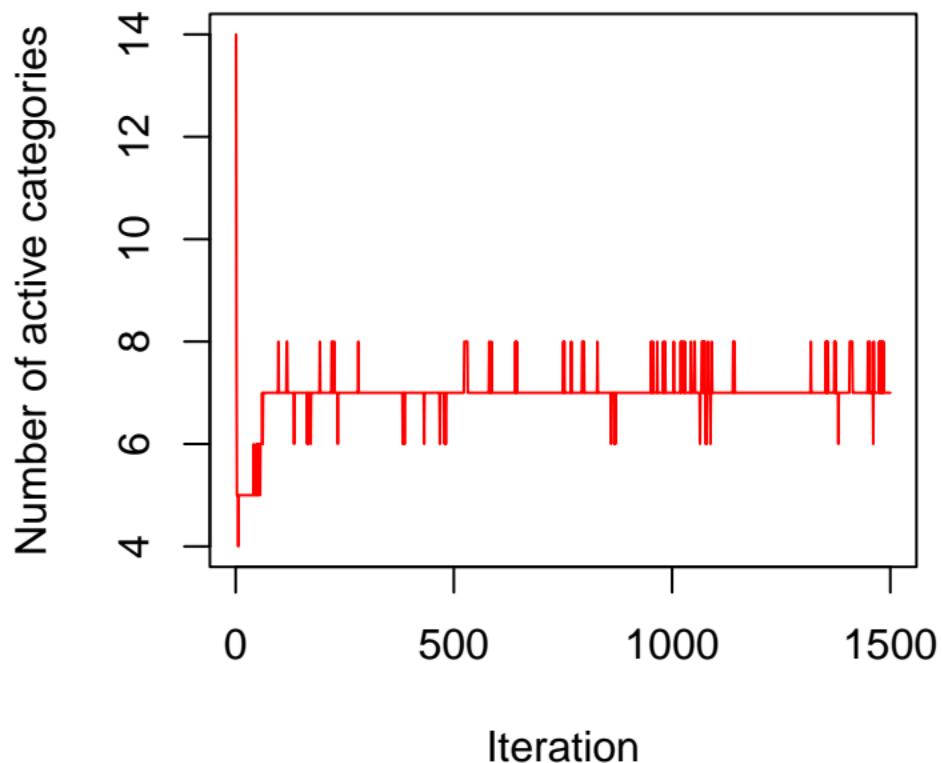
## Sum of catActive for pnum:6



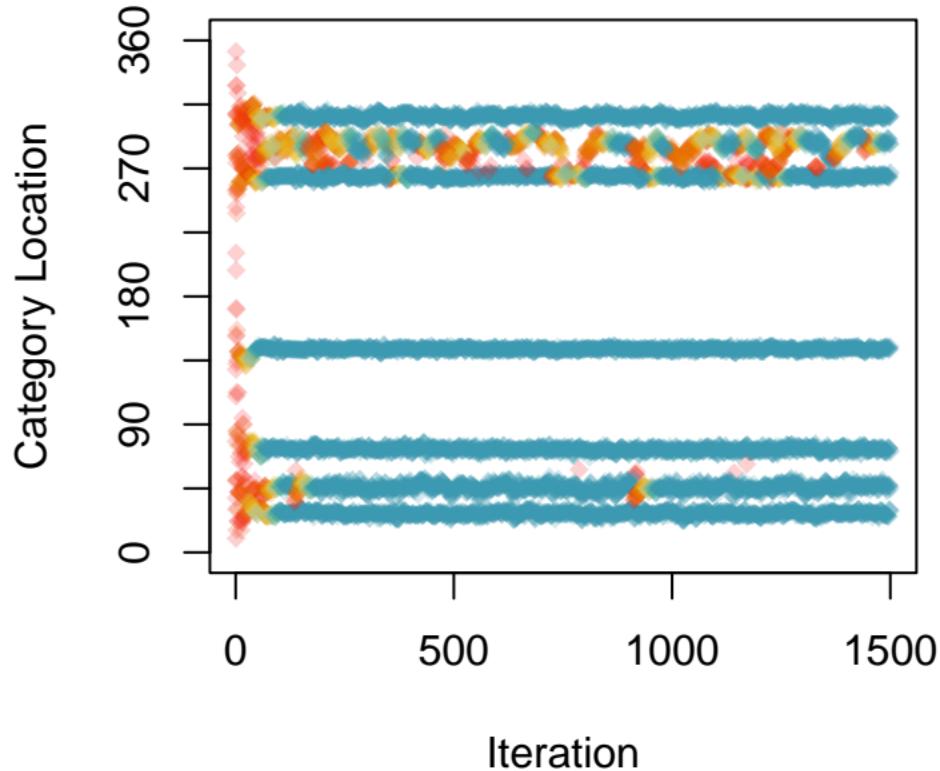
### Active catMu for pnum:6



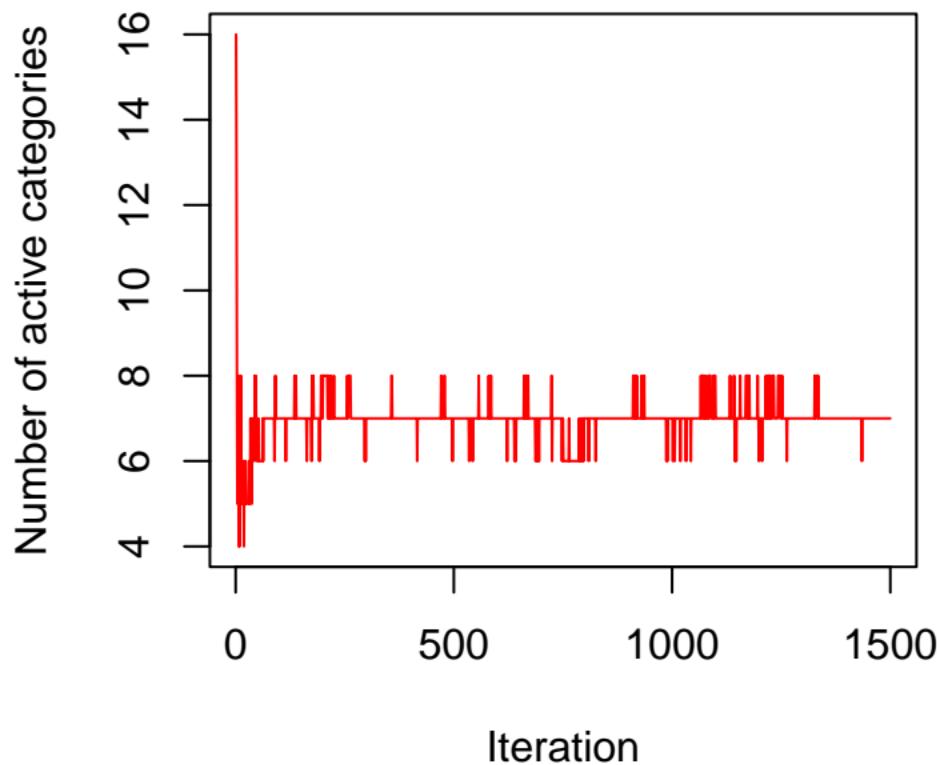
### Sum of catActive for pnum:6



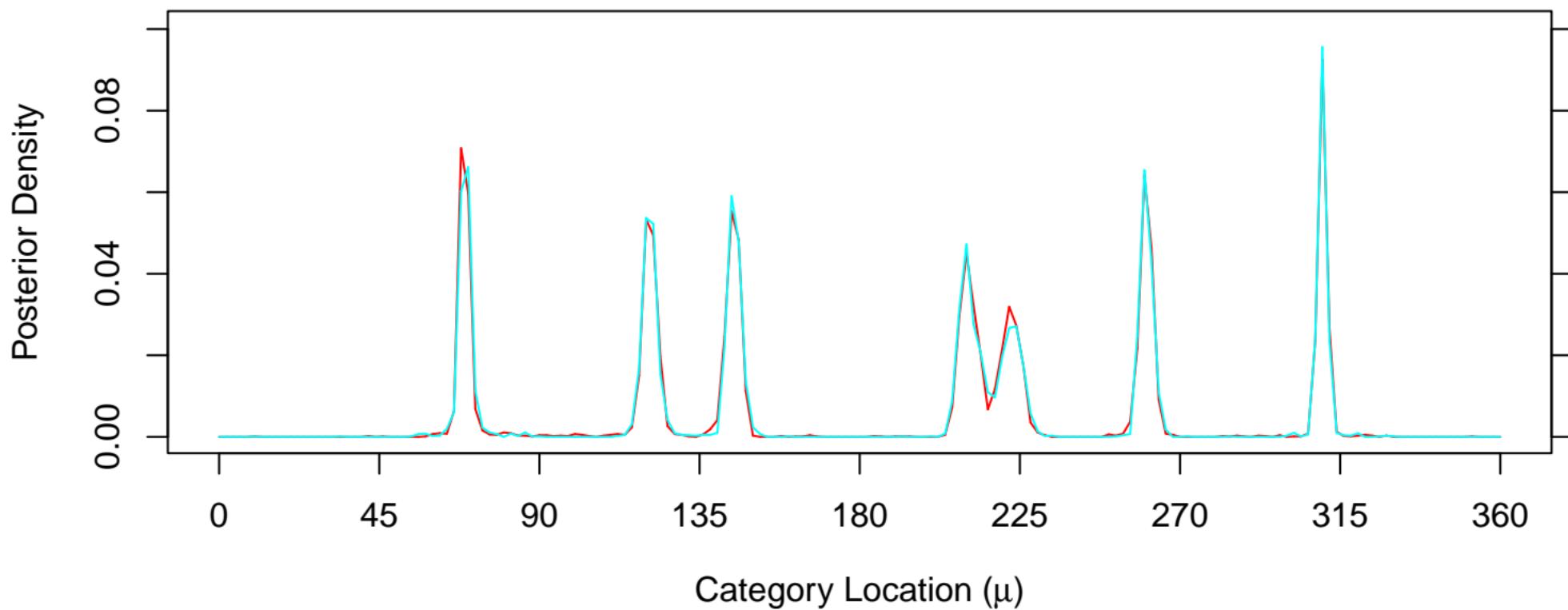
### Active catMu for pnum:6



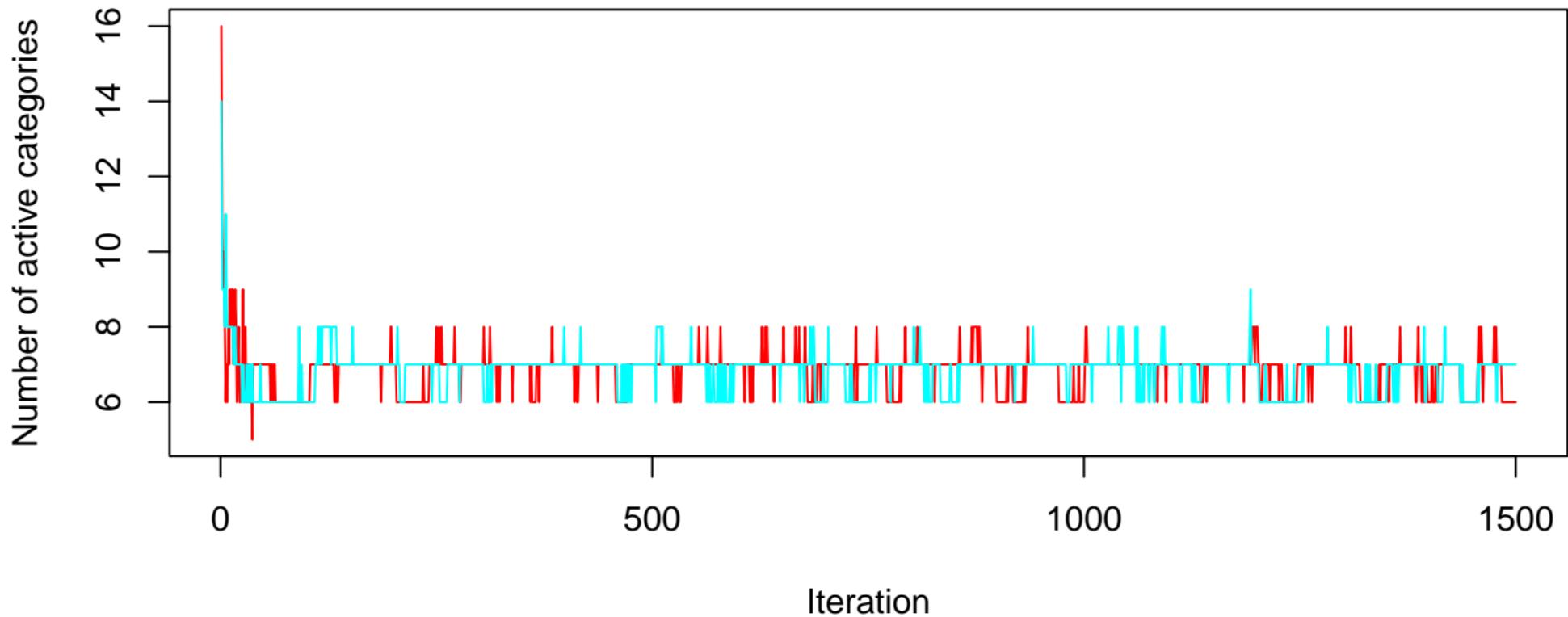
### Sum of catActive for pnum:6



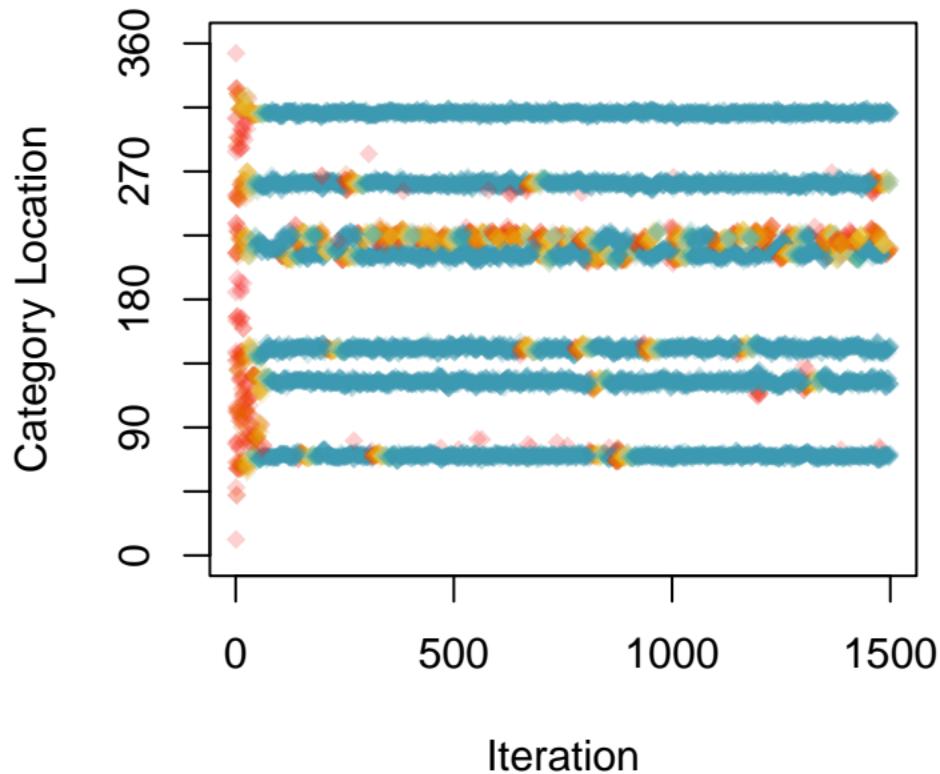
## Active catMu for pnum:7



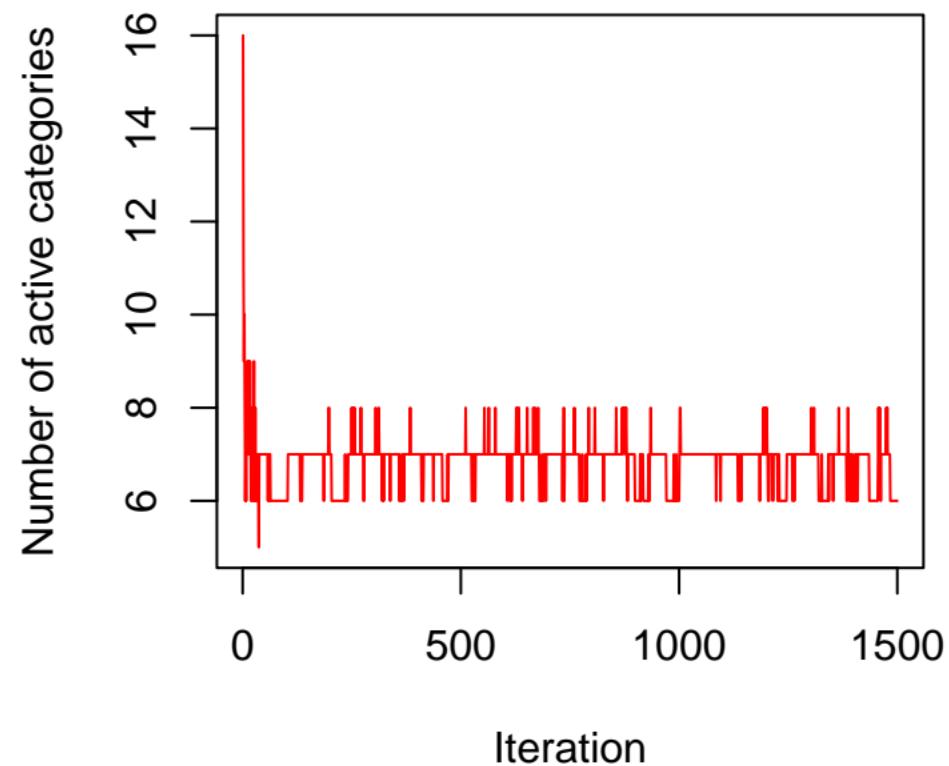
## Sum of catActive for pnum:7



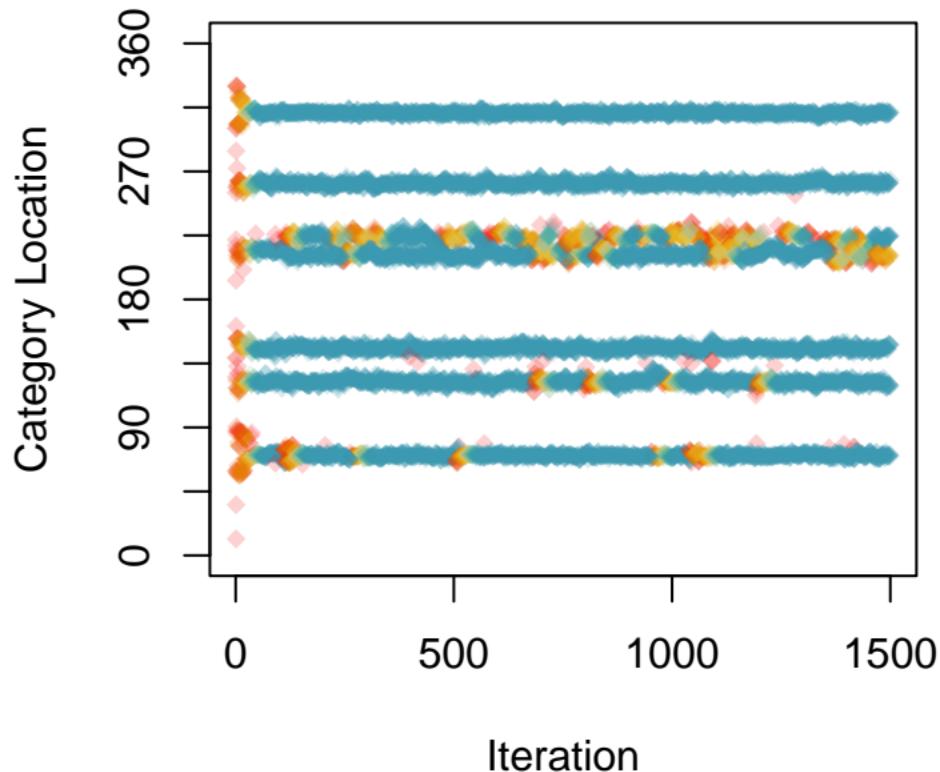
### Active catMu for pnum:7



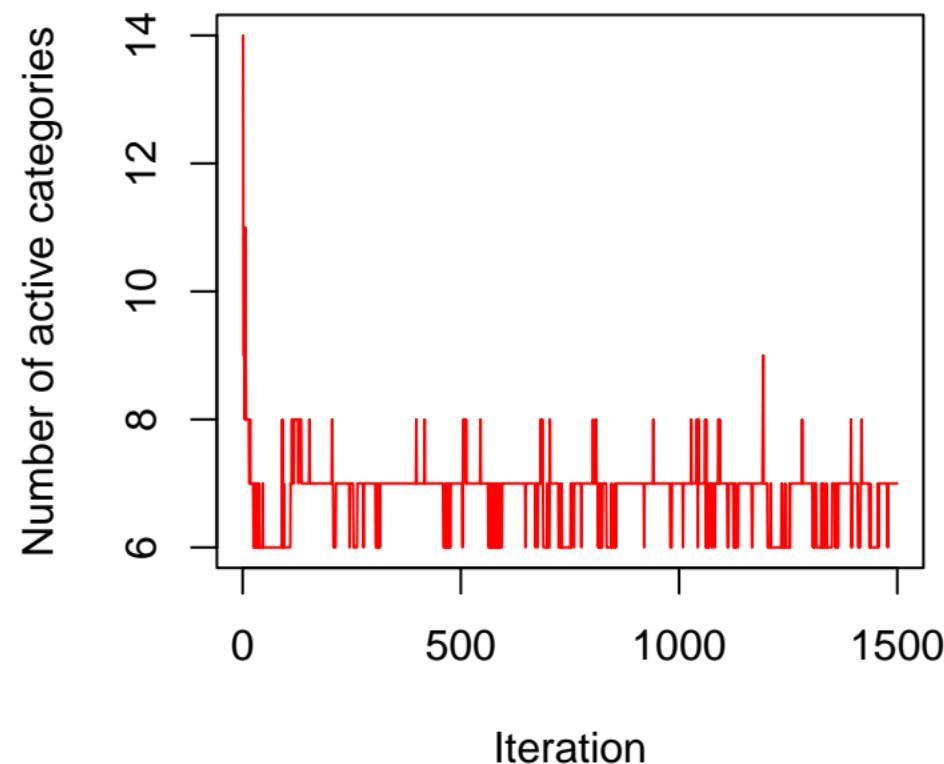
### Sum of catActive for pnum:7



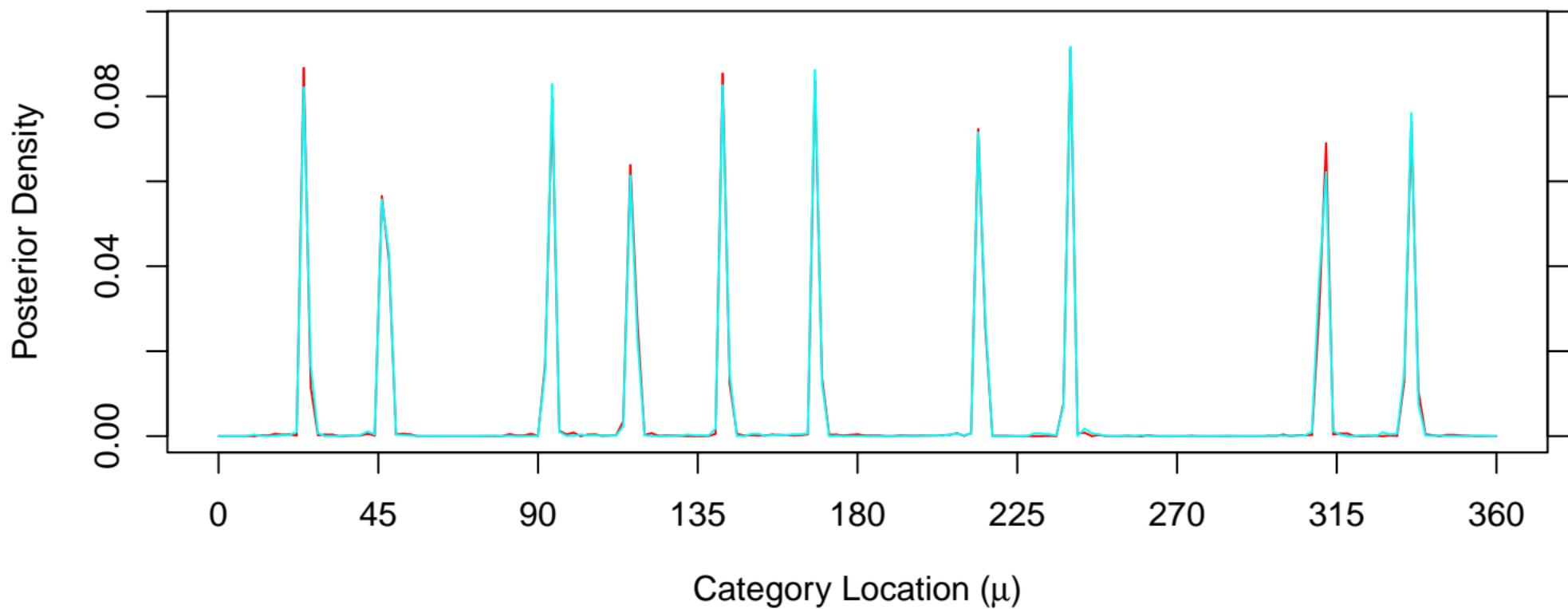
### Active catMu for pnum:7



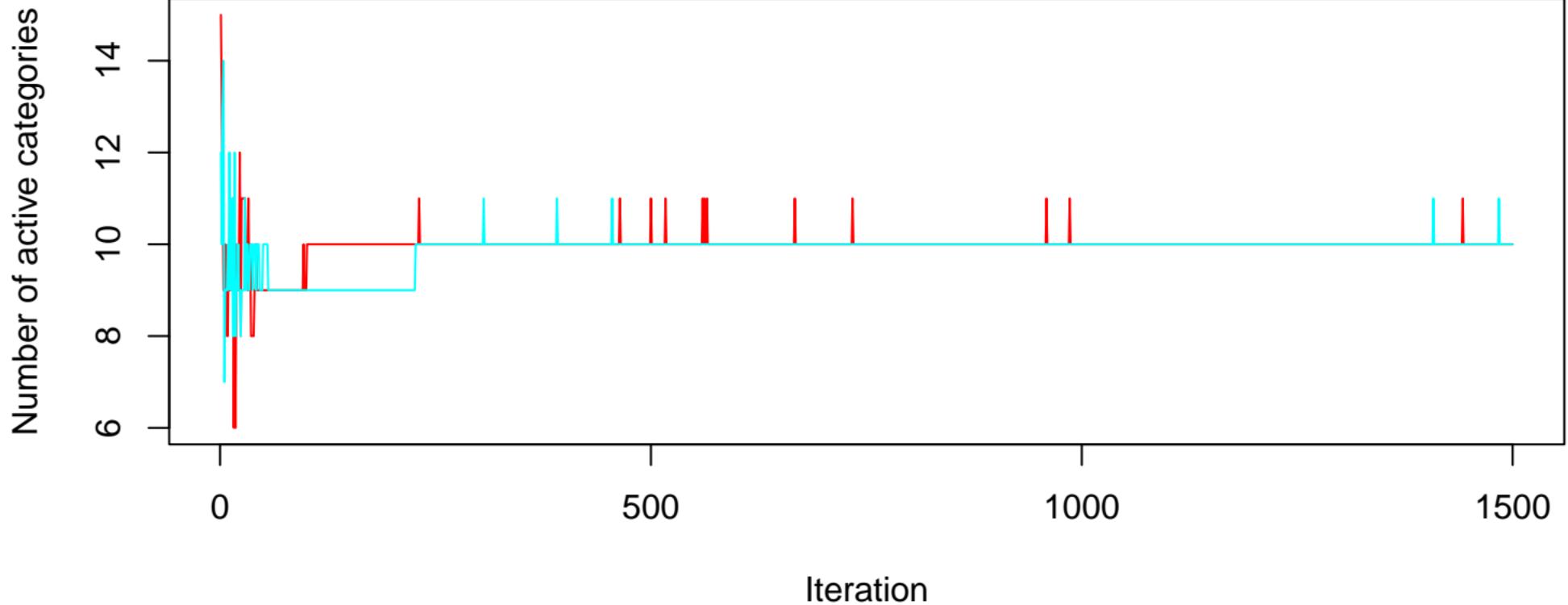
### Sum of catActive for pnum:7



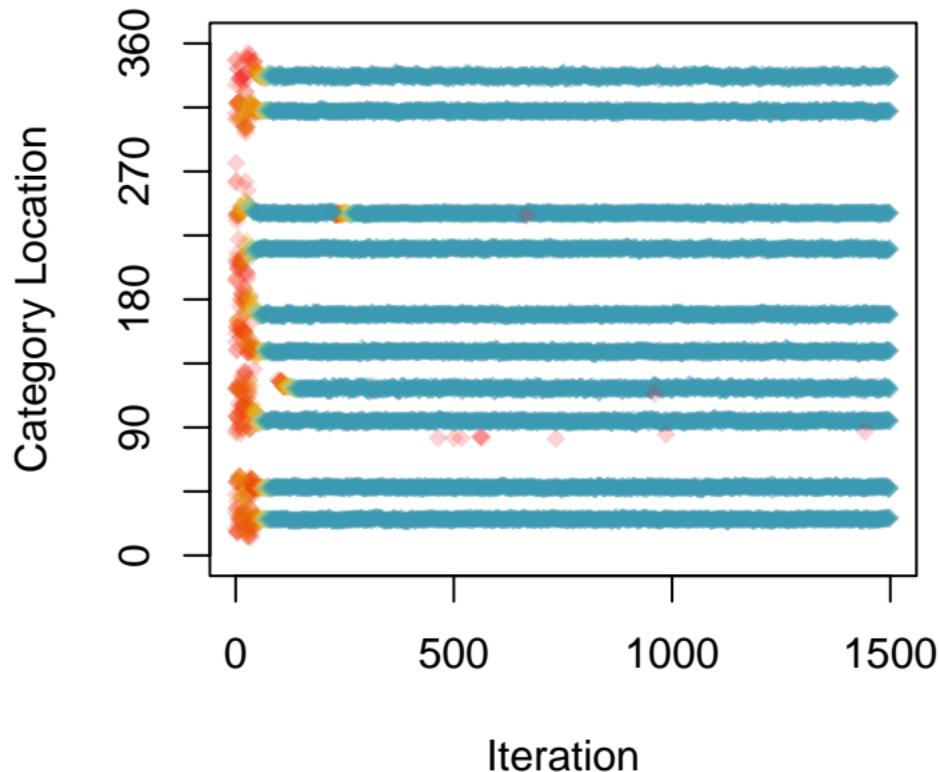
## Active catMu for pnum:8



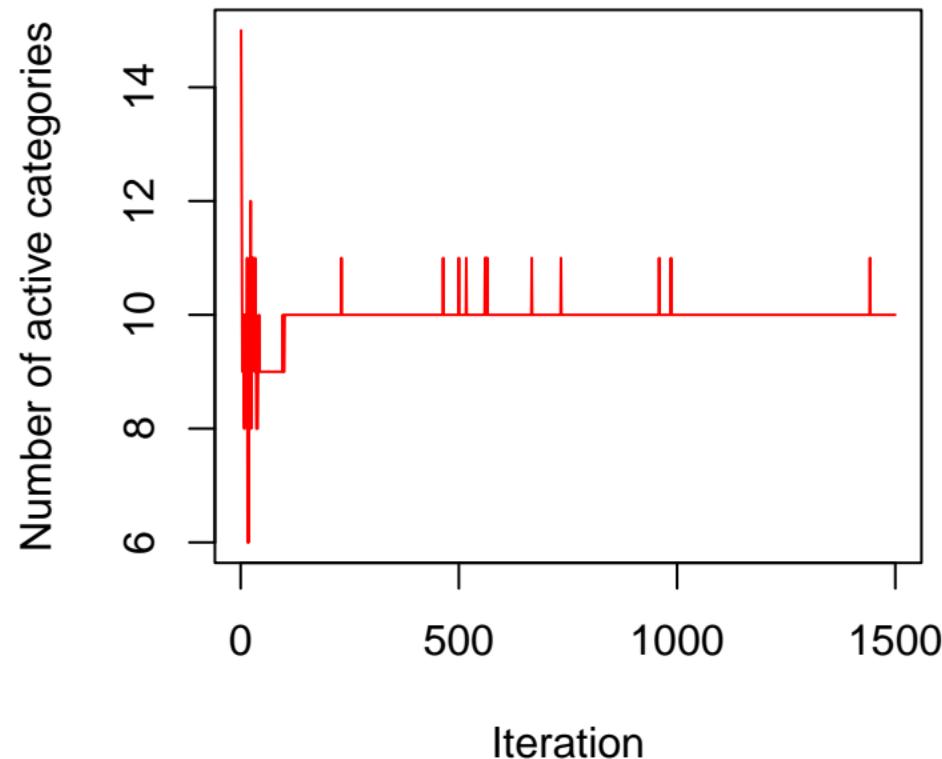
## Sum of catActive for pnum:8



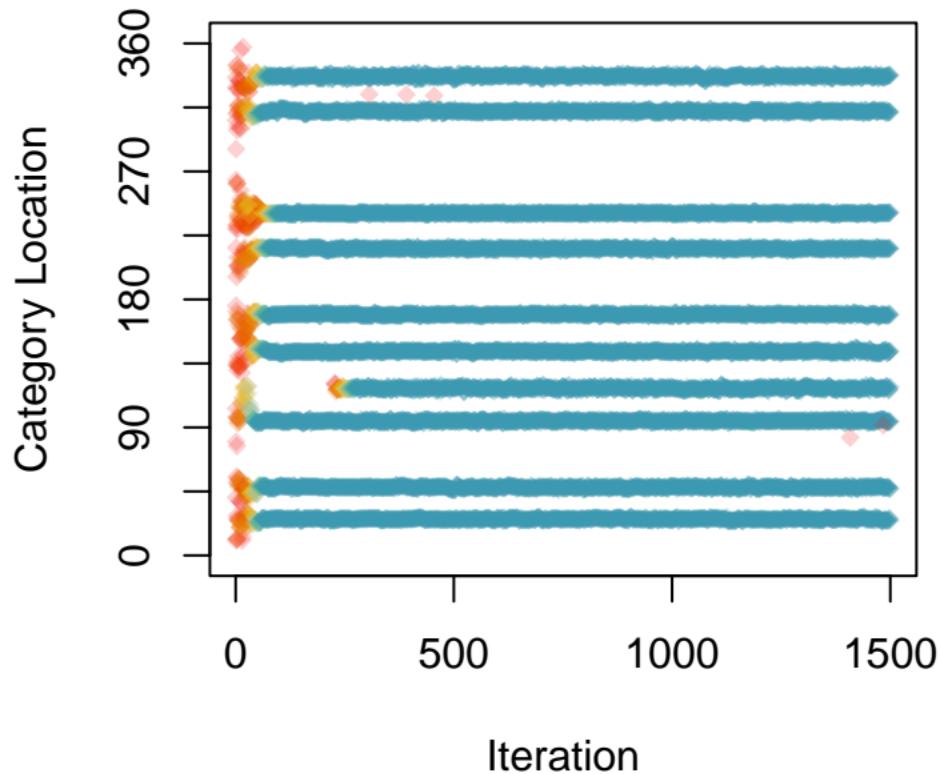
### Active catMu for pnum:8



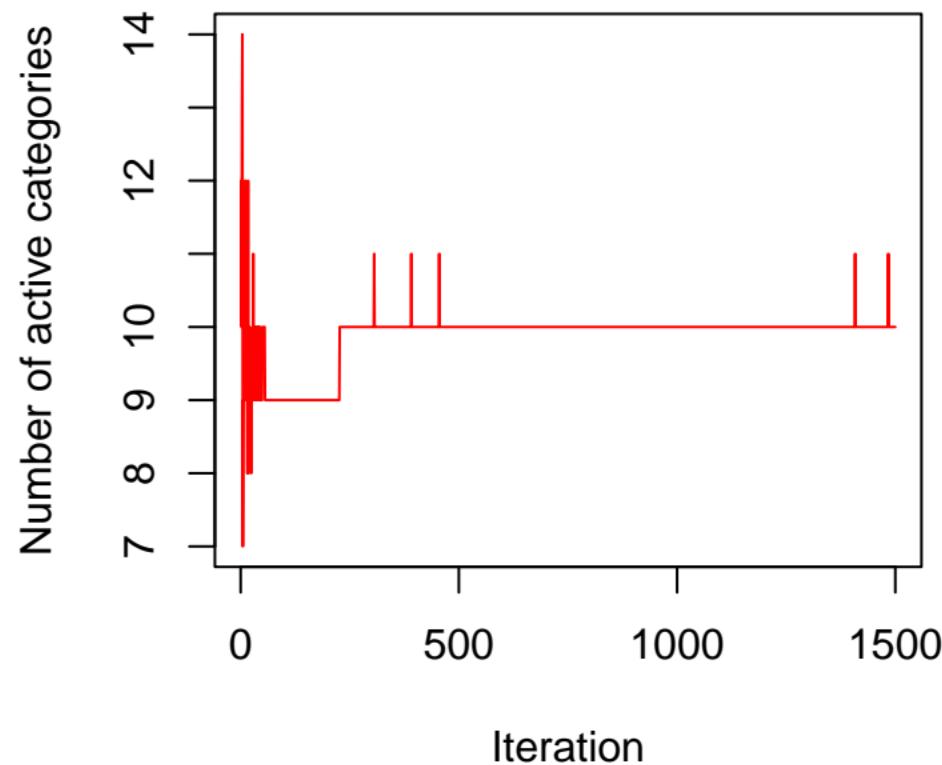
### Sum of catActive for pnum:8



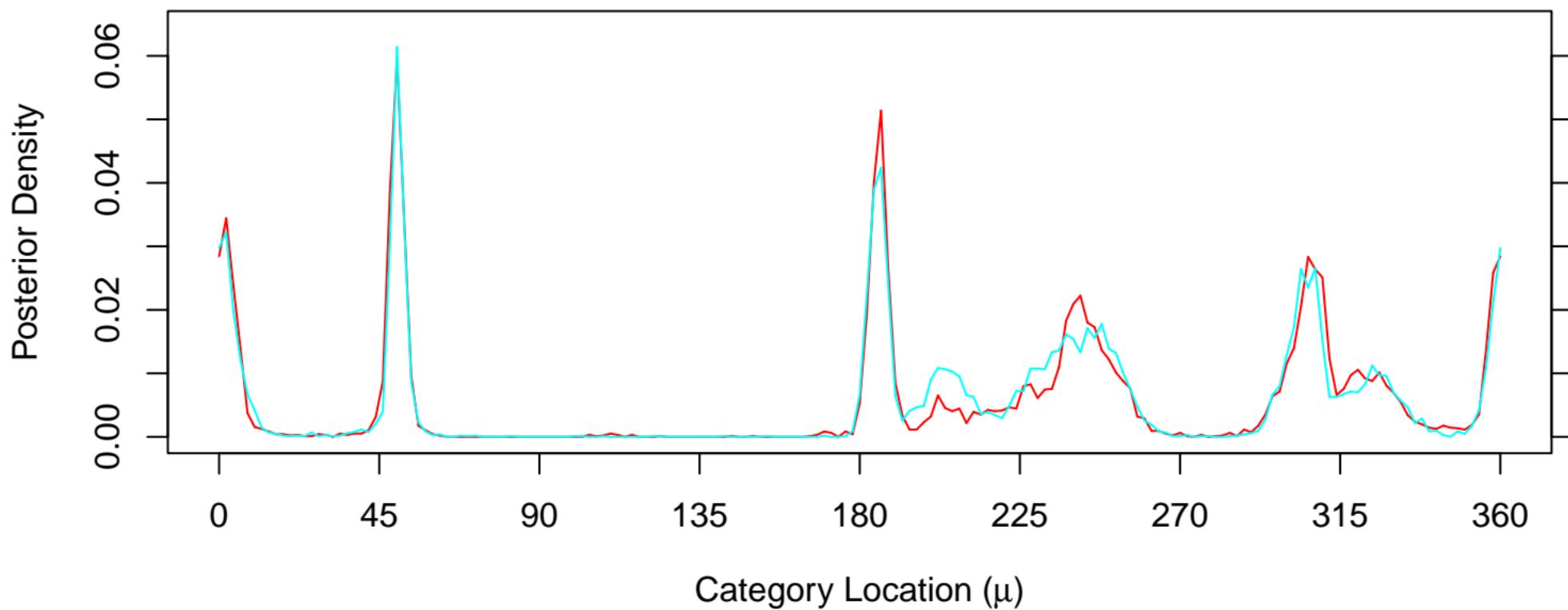
### Active catMu for pnum:8



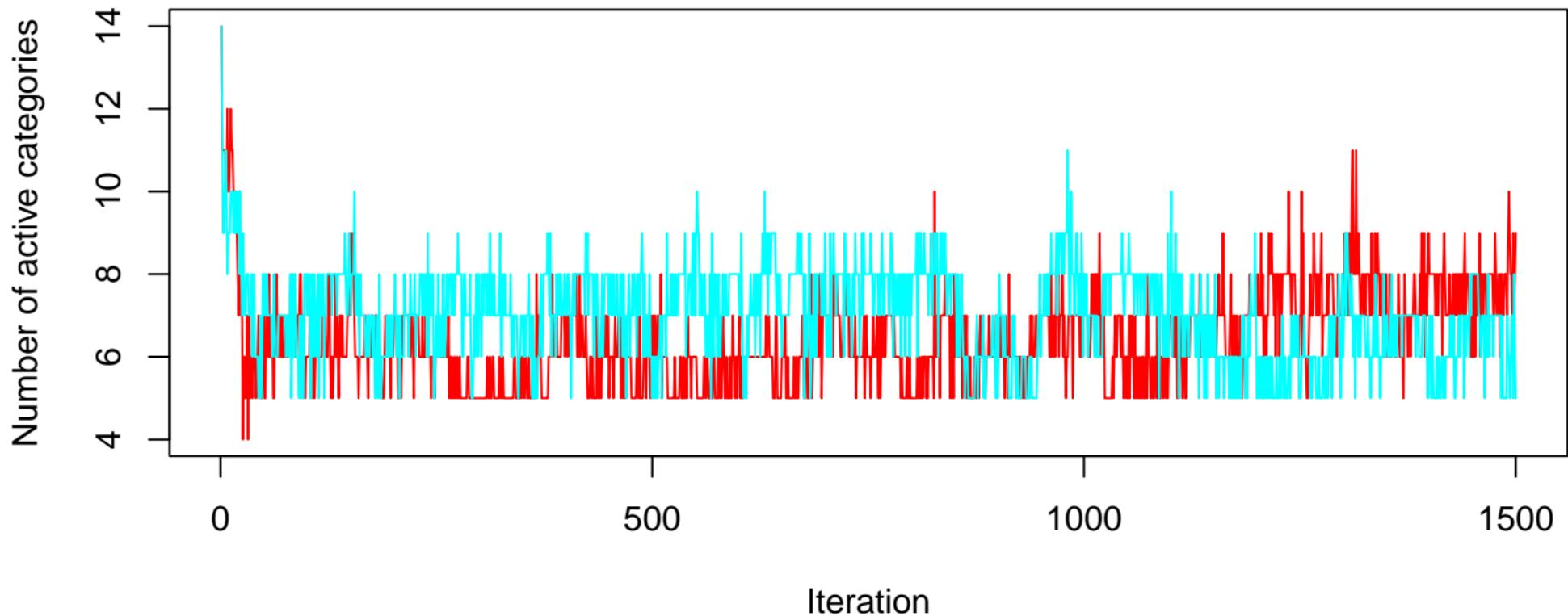
### Sum of catActive for pnum:8



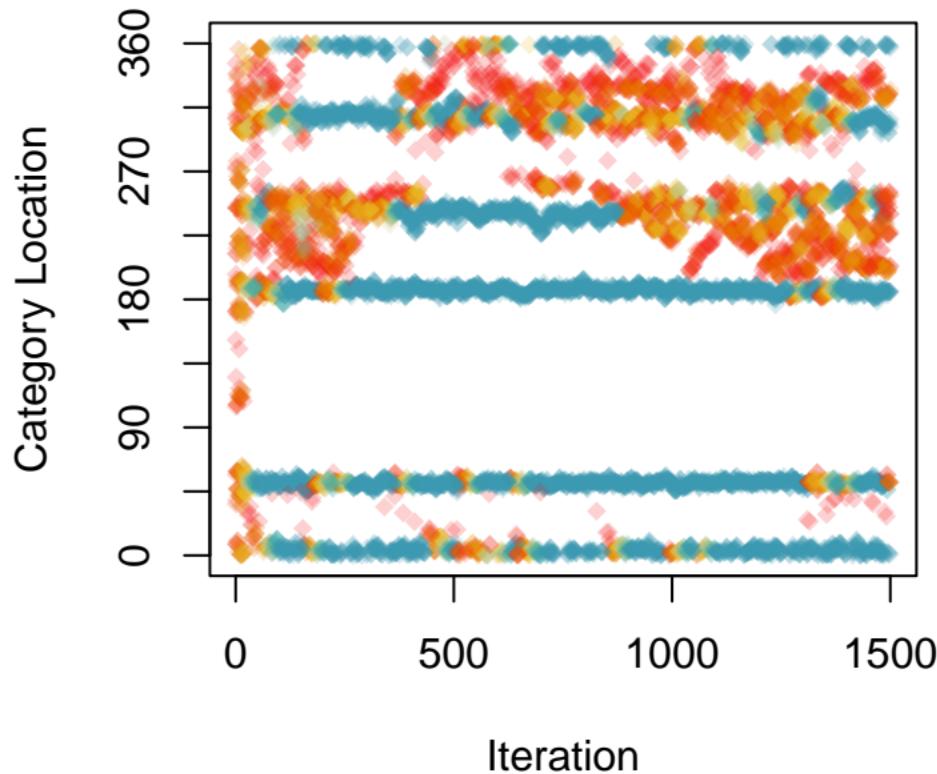
## Active catMu for pnum:9



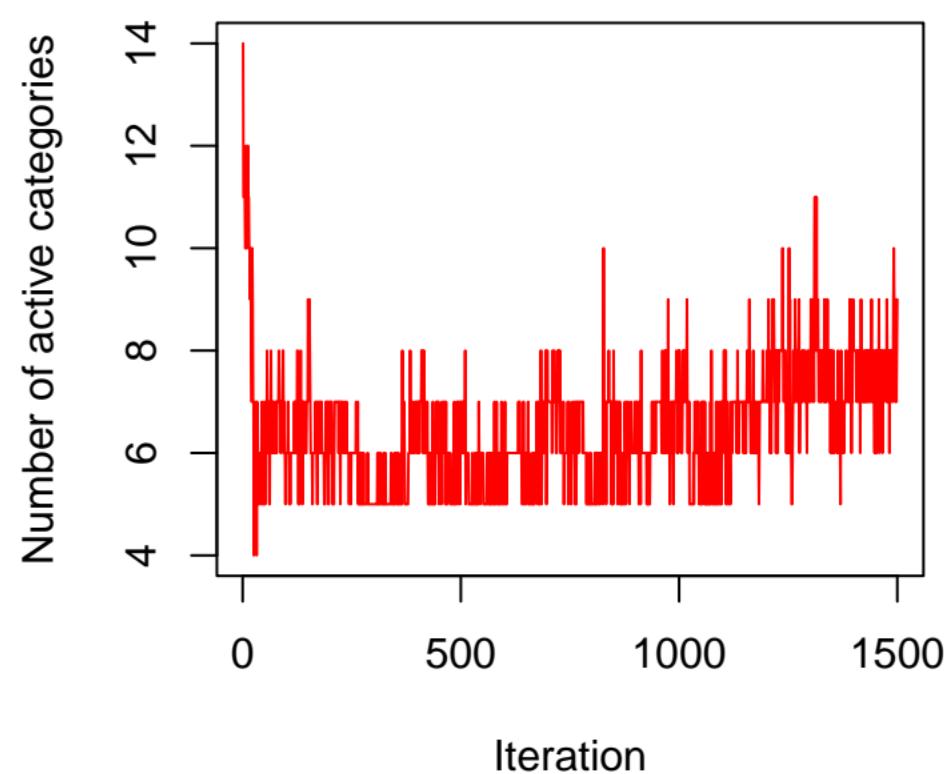
## Sum of catActive for pnum:9



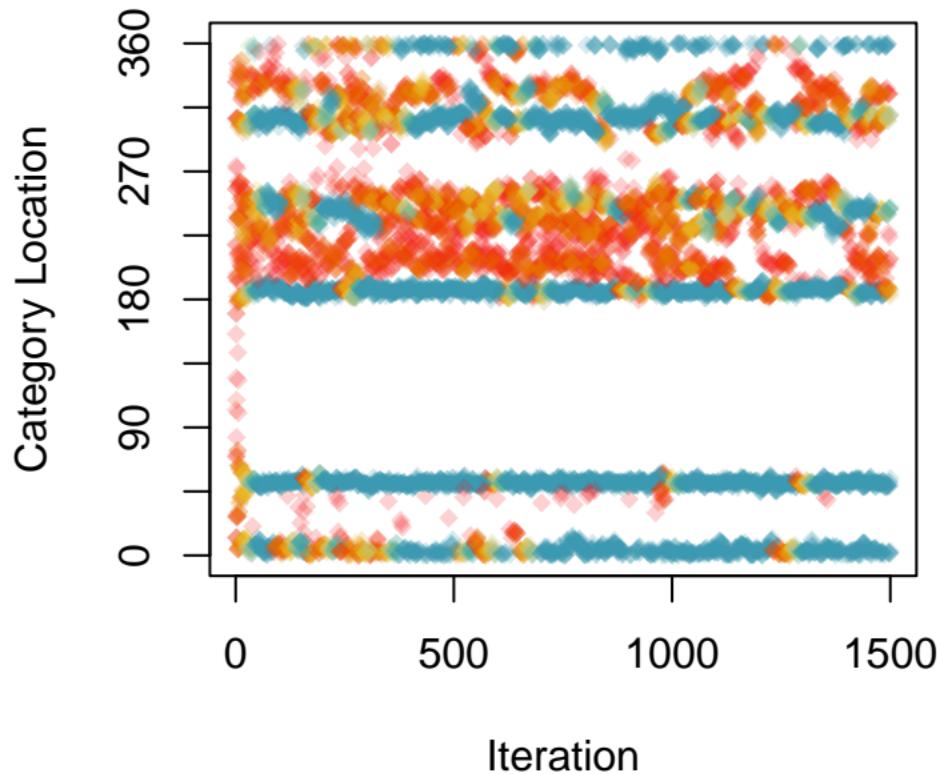
### Active catMu for pnum:9



### Sum of catActive for pnum:9



### Active catMu for pnum:9



### Sum of catActive for pnum:9

