

In this file we report the first part of the most relevant outputs for the algorithm runs contained in the output table.

In particular, we omitted the case in which the algorithm produced only one cluster.

A1- 1: trend T, deg =1, level = T, Dirichlet, c = 0.001

Number of groups of the chosen cluster configuration: 2

Time series in group 1 : Albania Algeria Bahrain Bangladesh Botswana Brazil Burkina.Faso Cambodia Cameroon Chad Chile China Cyprus Czech.Republic Dominican.Republic Egypt El.Salvador Ethiopia Georgia Ghana Greece Guatemala Honduras Hungary India Indonesia Iran..Islamic.Rep. Italy Japan Jordan Kenya Korea..Rep. Kuwait Kyrgyz.Republic Madagascar Malawi Malaysia Mali Malta Mauritania Mauritius Mexico Morocco Nepal Nigeria Pakistan Paraguay Peru Romania Russian.Federation Saudi.Arabia Singapore Slovak.Republic Thailand Turkey Ukraine United.Arab.Emirates Uruguay Venezuela Yemen

Time series in group 2 : Argentina Australia Austria Belgium Bolivia Bulgaria Canada Colombia Costa.Rica Croatia Denmark Ecuador Estonia Finland France Germany Iceland Ireland Israel Jamaica Kazakhstan Latvia Lesotho Lithuania Luxembourg Moldova Mongolia Namibia Netherlands New.Zealand Nicaragua Norway Panama Philippines Poland Portugal Slovenia South.Africa Spain Sri.Lanka Sweden Switzerland Tanzania Uganda United.Kingdom United.States

HM Measure: 5.63856

\$mstar

[1] 2

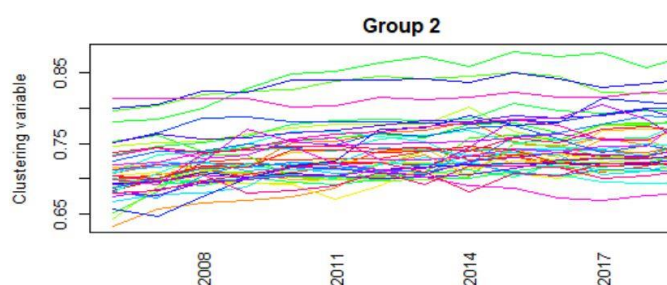
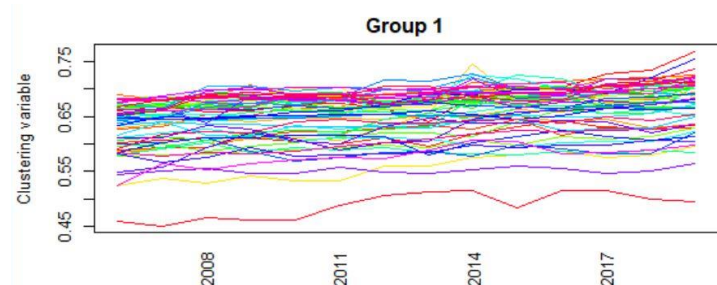
\$lpml

[1] 2638.958

set.seed(123)

```
(tseriesca.out1 <- tseriesca( S, maxiter = 10000, burnin = 1000, thinning = 5, level = T, trend = T, deg = 1,
scale = F, c0eps = 0.001, c1eps = 0.001, c0beta = 0.001, c1beta = 0.001, c0alpha = 0.001, c1alpha = 0.001,
priora = F,
```

```
a = 0, b = 0.01, priorb = T, q0b = 1, q1b = 1, indlpml = T ))
```



A2-1: trend T, deg =1, level = T, Poisson - Dirichlet, c = 0.001

Number of groups of the chosen cluster configuration: 2

Time series in group 1 : Albania Algeria Bahrain Bangladesh Botswana Brazil Burkina.Faso Cambodia Cameroon Chad Chile China Cyprus Czech.Republic Dominican.Republic Egypt El.Salvador Ethiopia Georgia Ghana Greece Guatemala Honduras Hungary India Indonesia Iran..Islamic.Rep. Italy Japan Jordan Kenya Korea..Rep. Kuwait Kyrgyz.Republic Madagascar Malawi Malaysia Mali Malta Mauritania Mauritius Mexico Morocco Nepal Nigeria Pakistan Paraguay Peru Romania Russian.Federation Saudi.Arabia Singapore Slovak.Republic Thailand Turkey Ukraine United.Arab.Emirates Uruguay Venezuela Yemen

Time series in group 2 : Argentina Australia Austria Belgium Bolivia Bulgaria Canada Colombia Costa.Rica Croatia Denmark Ecuador Estonia Finland France Germany Iceland Ireland Israel Jamaica Kazakhstan Latvia Lesotho Lithuania Luxembourg Moldova Mongolia Namibia Netherlands New.Zealand Nicaragua Norway Panama Philippines Poland Portugal Slovenia South.Africa Spain Sri.Lanka Sweden Switzerland Tanzania Uganda United.Kingdom United.States

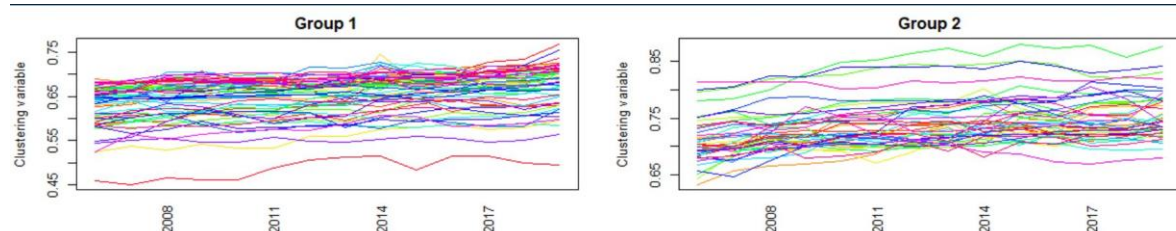
HM Measure: 5.63856

\$mstar

[1] 2

\$lpml

[1] 2635.509



A3-1: trend T, deg =1, level = T, nStable, c = 0.001

Number of groups of the chosen cluster configuration: 2

Time series in group 1 : Albania Algeria Bahrain Bangladesh Botswana Brazil Burkina.Faso Cambodia Cameroon Chad Chile China Cyprus Czech.Republic Dominican.Republic Egypt El.Salvador Ethiopia Georgia Ghana Greece Guatemala Honduras Hungary India Indonesia Iran..Islamic.Rep. Italy Japan Jordan Kenya Korea..Rep. Kuwait Kyrgyz.Republic Madagascar Malawi Malaysia Mali Malta Mauritania Mauritius Mexico Morocco Nepal Nigeria Pakistan Paraguay Peru Romania Russian.Federation Saudi.Arabia Singapore Slovak.Republic Thailand Turkey Ukraine United.Arab.Emirates Uruguay Venezuela Yemen

Time series in group 2 : Argentina Australia Austria Belgium Bolivia Bulgaria Canada Colombia Costa.Rica Croatia Denmark Ecuador Estonia Finland France Germany Iceland Ireland Israel Jamaica Kazakhstan Latvia Lesotho Lithuania Luxembourg Moldova Mongolia Namibia Netherlands New.Zealand Nicaragua Norway Panama Philippines Poland Portugal Slovenia South.Africa Spain Sri.Lanka Sweden Switzerland Tanzania Uganda United.Kingdom United.States

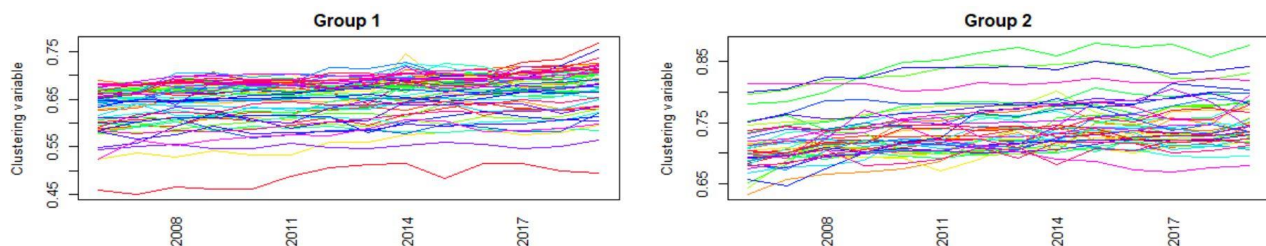
HM Measure: 5.63856

\$mstar

[1] 2

\$lpml

[1] 2684.272



B1-1: trend T, deg = 2, level = T, Dirichlet, c = 0.001

Time series in group 1: Albania Bangladesh Botswana Brazil Chile China Cyprus Czech.Republic Dominican.Republic El.Salvador Georgia Ghana Greece Honduras Hungary Indonesia Italy Kenya Kyrgyz.Republic Madagascar Malawi Malta Mexico Paraguay Peru Romania Russian.Federation Singapore Slovak.Republic Thailand Ukraine Uruguay Venezuela

Time series in group 2 : Algeria Bahrain Burkina.Faso Cambodia Cameroon Ethiopia Guatemala India Japan Korea..Rep. Kuwait Malaysia Mauritius Nepal Nigeria United.Arab.Emirates

Time series in group 3 : Argentina Australia Austria Bolivia Bulgaria Canada Colombia Costa.Rica Croatia Ecuador Estonia France Israel Jamaica Kazakhstan Lesotho Lithuania Luxembourg Moldova Mongolia Namibia Panama Poland Portugal Slovenia Sri.Lanka Tanzania Uganda United.States

Time series in group 4 : Belgium Denmark Finland Germany Iceland Ireland Latvia Netherlands New.Zealand Nicaragua Norway Philippines South.Africa Spain Sweden Switzerland United.Kingdom

Time series in group 5 : Chad Egypt Iran..Islamic.Rep. Jordan Mali Mauritania Morocco Pakistan Saudi.Arabia Turkey Yemen

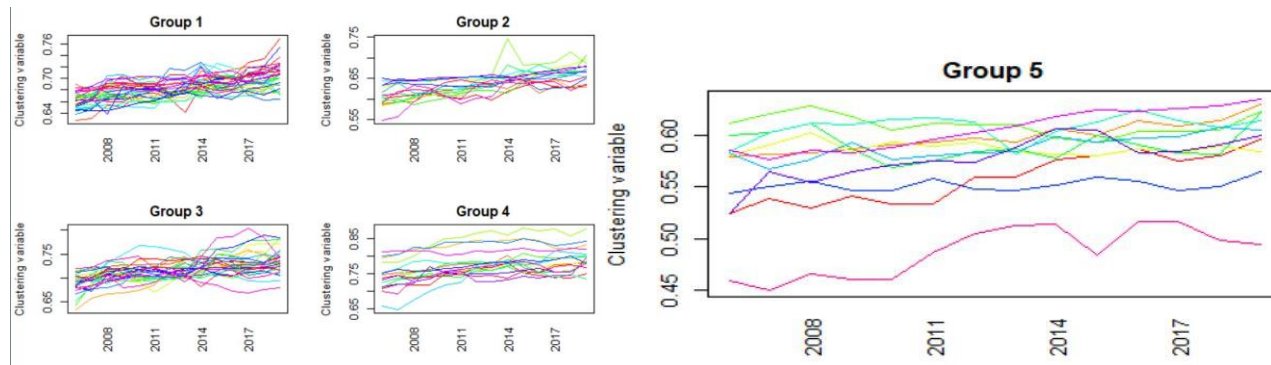
HM Measure: 1.890273

\$mstar

[1] 5

\$lpml

[1] 3138.575



B1-2: trend T, deg = 2, level = T, Dirichlet, c = 0.01

Number of groups of the chosen cluster configuration: 2

Time series in group 1 : Albania Argentina Australia Austria Bangladesh Belgium Bolivia Botswana Brazil Bulgaria Canada Chile China Colombia Costa.Rica Croatia Cyprus Czech.Republic Denmark Dominican.Republic Ecuador El.Salvador Estonia Finland France Georgia Germany Ghana Greece Honduras Hungary Iceland Indonesia Ireland Israel Italy Jamaica Kazakhstan Kenya Kyrgyz.Republic Latvia Lesotho Lithuania Luxembourg Madagascar Malawi Malta Mexico Moldova Mongolia Namibia Netherlands New.Zealand Nicaragua Norway Panama Paraguay Peru Philippines Poland Portugal Romania Russian.Federation Singapore Slovak.Republic Slovenia South.Africa Spain Sri.Lanka Sweden Switzerland Tanzania Thailand Uganda Ukraine United.Kingdom United.States Uruguay Venezuela

Time series in group 2 : Algeria Bahrain Burkina.Faso Cambodia Cameroon Chad Egypt Ethiopia Guatemala India Iran..Islamic.Rep. Japan Jordan Korea..Rep. Kuwait Malaysia Mali Mauritania Mauritius Morocco Nepal Nigeria Pakistan Saudi.Arabia Turkey United.Arab.Emirates Yemen

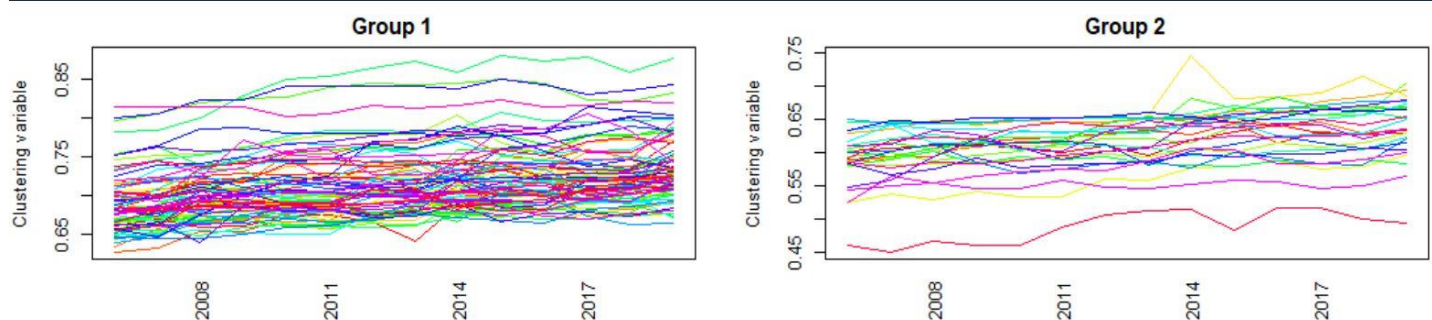
HM Measure: 5.134756

\$mstar

[1] 2

\$lpml

[1] 2267.479



B2 - 1: trend T, deg = 2, level = T, Poisson dirichlet, c = 0.001

Number of groups of the chosen cluster configuration: 5

Time series in group 1 : Albania Bangladesh Botswana Brazil Chile China Cyprus Czech.Republic Dominican.Republic El.Salvador Georgia Ghana Greece Honduras Hungary Indonesia Italy Kenya Kyrgyz.Republic Madagascar Malawi Malta Mexico Paraguay Peru Romania Russian.Federation Singapore Slovak.Republic Thailand Ukraine Uruguay Venezuela

Time series in group 2 : Algeria Bahrain Burkina.Faso Cambodia Cameroon Ethiopia Guatemala India Japan Korea..Rep. Kuwait Malaysia Mauritius Nepal Nigeria United.Arab.Emirates

Time series in group 3 : Argentina Australia Austria Bolivia Bulgaria Canada Colombia Costa.Rica Croatia Ecuador Estonia France Israel Jamaica Kazakhstan Lesotho Lithuania Luxembourg Moldova Mongolia Namibia Panama Poland Portugal Slovenia Sri.Lanka Tanzania Uganda United.States

Time series in group 4 : Belgium Denmark Finland Germany Iceland Ireland Latvia Netherlands New.Zealand Nicaragua Norway Philippines South.Africa Spain Sweden Switzerland United.Kingdom

Time series in group 5 : Chad Egypt Iran..Islamic.Rep. Jordan Mali Mauritania Morocco Pakistan Saudi.Arabia Turkey Yemen

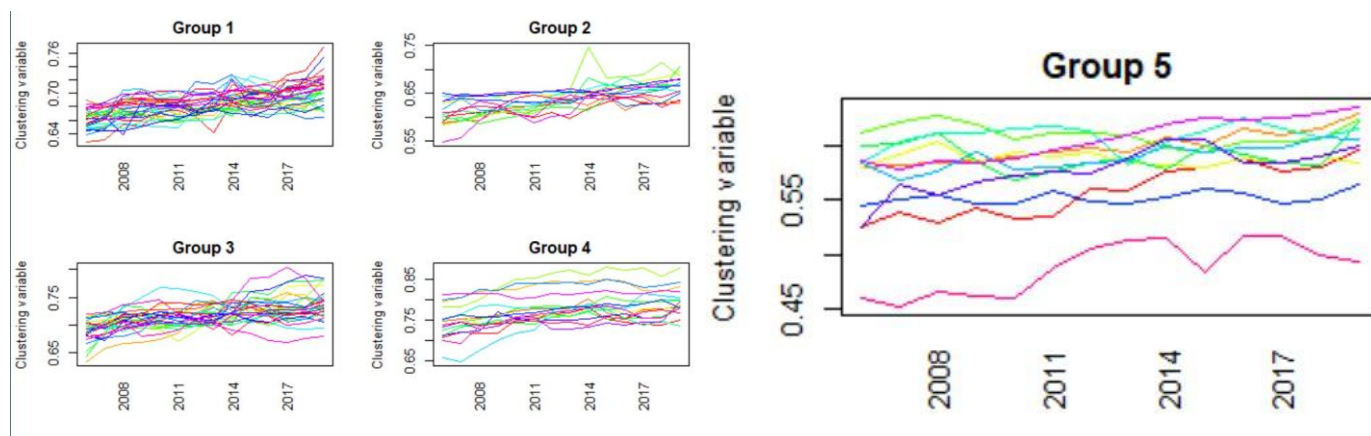
HM Measure: 1.890273

\$mstar

[1] 5

\$lpml

[1] 2669.556



B2-2: trend T, deg =2, level = T, Poisson Dirichlet, c = 0.01

Number of groups of the chosen cluster configuration: 2

Time series in group 1 : Albania Argentina Australia Austria Bangladesh Belgium Bolivia Botswana Brazil Bulgaria Canada Chile China Colombia Costa.Rica Croatia Cyprus Czech.Republic Denmark Dominican.Republic Ecuador El.Salvador Estonia Finland France Georgia Germany Ghana Greece Honduras Hungary Iceland Indonesia Ireland Israel Italy Jamaica Kazakhstan Kenya Kyrgyz.Republic Latvia Lesotho Lithuania Luxembourg Madagascar Malawi Malaysia Malta Mexico Moldova Mongolia Namibia Netherlands New.Zealand Nicaragua Norway Panama Paraguay Peru Philippines Poland Portugal Romania Russian.Federation Singapore Slovak.Republic Slovenia South.Africa Spain Sri.Lanka Sweden Switzerland Tanzania Thailand Uganda Ukraine United.Kingdom United.States Uruguay Venezuela

Time series in group 2 : Algeria Bahrain Burkina.Faso Cambodia Cameroon Chad Egypt Ethiopia Guatemala India Iran..Islamic.Rep. Japan Jordan Korea..Rep. Kuwait Mali Mauritania Mauritius Morocco Nepal Nigeria Pakistan Saudi.Arabia Turkey United.Arab.Emirates Yemen

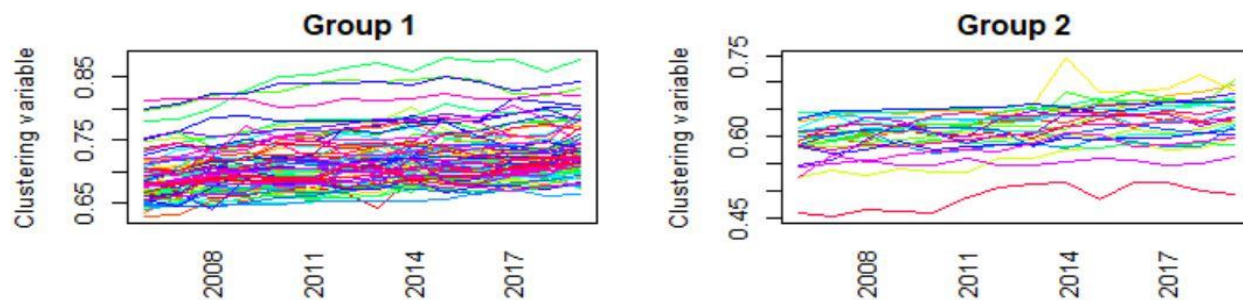
HM Measure: 5.179157

\$mstar

[1] 2

\$lpml

[1] 2098.621



B3-1 : Trend T, deg = 2, level = T, Nstable, c = 0.001

Number of groups of the chosen cluster configuration: 5

Time series in group 1 : Albania Bangladesh Botswana Brazil Chile China Cyprus Czech.Republic Dominican.Republic El.Salvador Georgia Ghana Greece Honduras Hungary Indonesia Italy Kenya Kyrgyz.Republic Madagascar Malawi Malta Mexico Paraguay Peru Romania Russian.Federation Singapore Slovak.Republic Thailand Ukraine Uruguay Venezuela

Time series in group 2 : Algeria Bahrain Burkina.Faso Cambodia Cameroon Ethiopia Guatemala India Japan Korea..Rep. Kuwait Malaysia Mauritius Nepal Nigeria United.Arab.Emirates

Time series in group 3 : Argentina Australia Austria Bolivia Bulgaria Canada Colombia Costa.Rica Croatia Ecuador Estonia France Israel Jamaica Kazakhstan Lesotho Lithuania Luxembourg Moldova Mongolia Namibia Panama Poland Portugal Slovenia Sri.Lanka Tanzania Uganda United.States

Time series in group 4 : Belgium Denmark Finland Germany Iceland Ireland Latvia Netherlands New.Zealand Nicaragua Norway Philippines South.Africa Spain Sweden Switzerland United.Kingdom

Time series in group 5 : Chad Egypt Iran..Islamic.Rep. Jordan Mali Mauritania Morocco Pakistan Saudi.Arabia Turkey Yemen

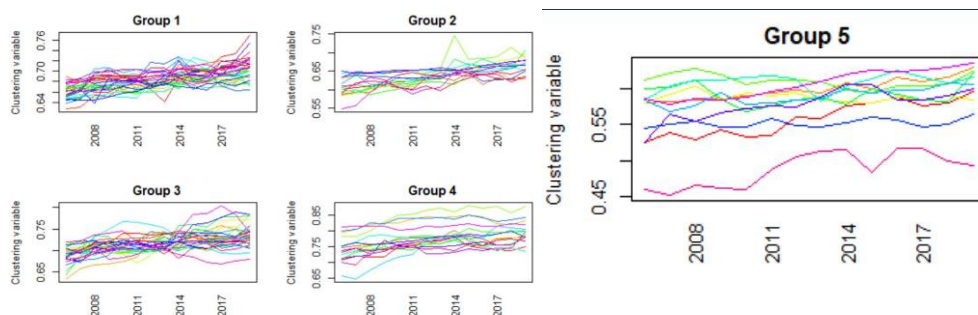
HM Measure: 1.890273

\$mstar

[1] 5

\$lpml

[1] 3141.789



B3-2: trend T, deg = 2, level = T, NSTAN, c = 0.01

Number of groups of the chosen cluster configuration: 2

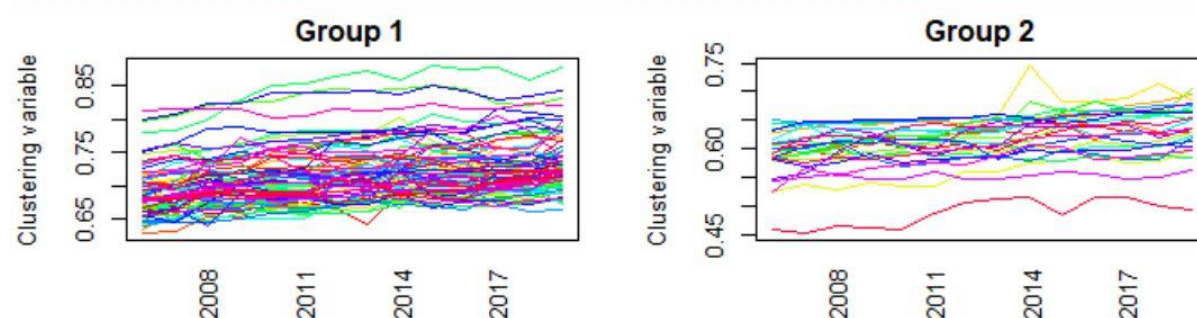
Time series in group 1 : Albania Argentina Australia Austria Bangladesh Belgium Bolivia Botswana Brazil Bulgaria Canada Chile China Colombia Costa.Rica Croatia Cyprus Czech.Republic Denmark Dominican.Republic Ecuador El.Salvador Estonia Finland France Georgia Germany Ghana Greece Honduras Hungary Iceland Indonesia Ireland Israel Italy Jamaica Kazakhstan Kenya Kyrgyz.Republic Latvia Lesotho Lithuania Luxembourg Madagascar Malawi Malta Mexico Moldova Mongolia Namibia Netherlands New.Zealand Nicaragua Norway Panama Paraguay Peru Philippines Poland Portugal Romania Russian.Federation Singapore Slovak.Republic Slovenia South.Africa Spain Sri.Lanka Sweden Switzerland Tanzania Thailand Uganda Ukraine United.Kingdom United.States Uruguay Venezuela

Time series in group 2 : Algeria Bahrain Burkina.Faso Cambodia Cameroon Chad Egypt Ethiopia Guatemala India Iran..Islamic.Rep. Japan Jordan Korea..Rep. Kuwait Malaysia Mali Mauritania Mauritius Morocco Nepal Nigeria Pakistan Saudi.Arabia Turkey United.Arab.Emirates Yemen

HM Measure: 5.134756

\$mstar

[1] 2



C1-1: trend T, deg = 1, level = F, Dirichlet, c = 0.001

Number of groups of the chosen cluster configuration: 11

Time series in group 1 : Albania Bangladesh Bolivia Cameroon Ethiopia France Guatemala India Kenya Mexico Namibia Nepal Nicaragua Slovenia Turkey

Time series in group 2 : Algeria Argentina Bahrain Belgium Botswana Brazil Bulgaria Burkina.Faso Canada Chad Chile Colombia Costa.Rica Croatia Cyprus Czech.Republic Denmark Ecuador Egypt El.Salvador Estonia Georgia Germany Greece Honduras Indonesia Israel Italy Korea..Rep. Latvia Lithuania Madagascar Malaysia Malta Mauritius Moldova Mongolia Nigeria Norway Panama Paraguay Peru Philippines Poland Portugal Romania Singapore South.Africa Spain Thailand Uganda Ukraine United.Kingdom Uruguay Venezuela Yemen

Time series in group 3 : Australia Austria China Finland Ireland Japan Kazakhstan Kuwait Kyrgyz.Republic Luxembourg Malawi Netherlands Russian.Federation Sweden Switzerland United.Arab.Emirates United.States

Time series in group 4 : Cambodia Dominican.Republic Jamaica

Time series in group 5 : Ghana

Time series in group 6 : Hungary Iran..Islamic.Rep. Mali Morocco Slovak.Republic

Time series in group 7 : Iceland Saudi.Arabia

Time series in group 8 : Jordan Lesotho Sri.Lanka

Time series in group 9 : Mauritania Tanzania

Time series in group 10 : New.Zealand

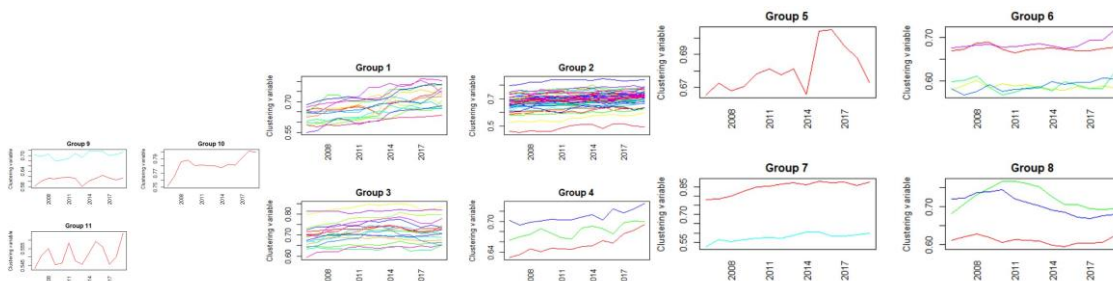
Time series in group 11 : Pakistan

HM Measure: 10.36886

\$mstar 11

[1] \$lpml

[1] 3591.2711



C2 -1: trend T, deg = 1, level = F, Poisson Dirichlet, c = 0.001

Number of groups of the chosen cluster configuration: 6

Time series in group 1 : Albania Bangladesh Bolivia Cameroon Chad Ethiopia France Iceland India Ireland Madagascar Mexico Namibia Nepal Nicaragua Singapore Slovenia

Time series in group 2 : Algeria Argentina Australia Austria Bahrain Belgium Botswana Brazil Bulgaria Burkina.Faso Cambodia Canada Chile Colombia Costa.Rica Cyprus Czech.Republic Denmark Dominican.Republic Ecuador Egypt El.Salvador Estonia Georgia Germany Ghana Greece Guatemala Indonesia Israel Italy Jamaica Japan Kazakhstan Kenya Korea..Rep. Kuwait Latvia Lithuania Luxembourg Malaysia Mali Malta Mauritania Mauritius Moldova Mongolia Morocco New.Zealand Nigeria Norway Pakistan Panama Paraguay Peru Philippines Poland Portugal Romania Russian.Federation Saudi.Arabia South.Africa Spain Switzerland Tanzania Thailand Turkey Uganda Ukraine United.Arab.Emirates United.Kingdom United.States Uruguay Venezuela Yemen

Time series in group 3 : China Iran..Islamic.Rep. Lesotho Netherlands Slovak.Republic

Time series in group 4 : Croatia

Time series in group 5 : Finland Honduras Kyrgyz.Republic Malawi Sweden

Time series in group 6 : Hungary Jordan Sri.Lanka

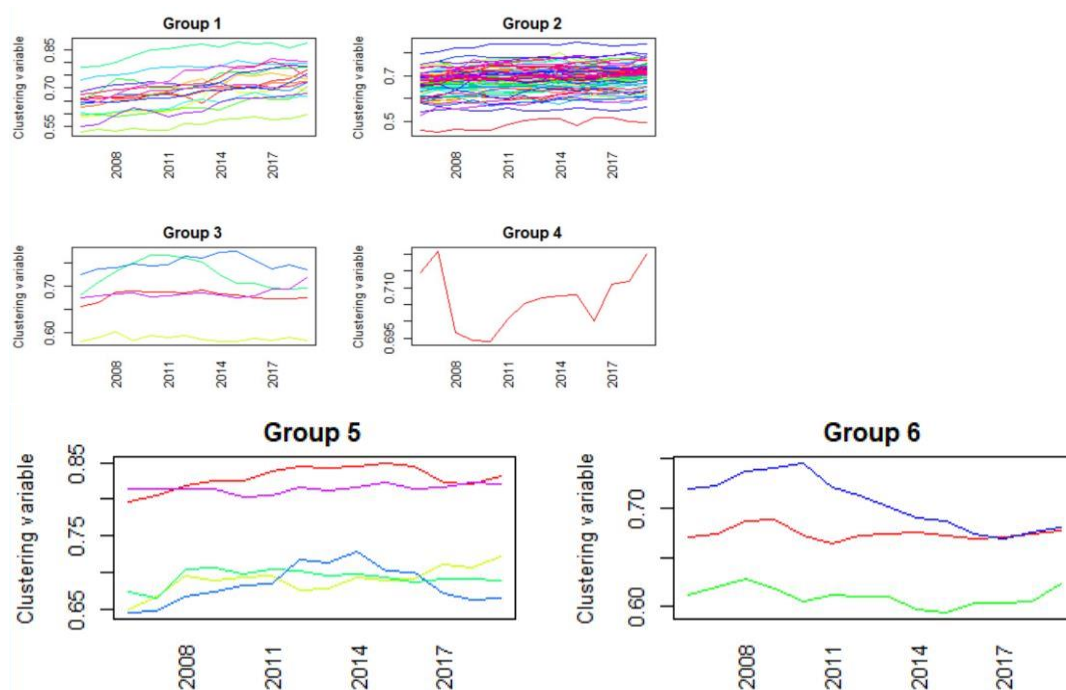
HM Measure: 10.83423

\$mstar

[1] 6

\$lpml

[1] 3591.276



C3-1: trend T, deg = 2, level = F, Nstable, c = 0.001

Number of groups of the chosen cluster configuration: 4

Time series in group 1 : Albania Bangladesh Bolivia Cameroon Chad Ethiopia France Guatemala Iceland India Mexico Nepal Nicaragua Slovenia

Time series in group 2 : Algeria Argentina Australia Austria Bahrain Belgium Botswana Brazil Bulgaria Burkina.Faso Cambodia Canada Chile Colombia Costa.Rica Croatia Cyprus Czech.Republic Denmark Dominican.Republic Ecuador Egypt El.Salvador Estonia Finland Georgia Germany Ghana Greece Honduras Indonesia Ireland Israel Italy Jamaica Japan Kazakhstan Kenya Korea..Rep. Latvia Lithuania Luxembourg Madagascar Malaysia Malta Mauritania Mauritius Moldova Morocco Namibia Netherlands New.Zealand Nigeria Norway Pakistan Panama Paraguay Peru Philippines Poland Portugal Romania Saudi.Arabia Singapore Slovak.Republic South.Africa Spain Sweden Switzerland Thailand Turkey Uganda Ukraine United.Arab.Emirates United.Kingdom United.States Uruguay Venezuela Yemen

Time series in group 3 : China Hungary Iran..Islamic.Rep. Jordan Kuwait Sri.Lanka

Time series in group 4 : Kyrgyz.Republic Lesotho Malawi Mali Mongolia Russian.Federation Tanzania

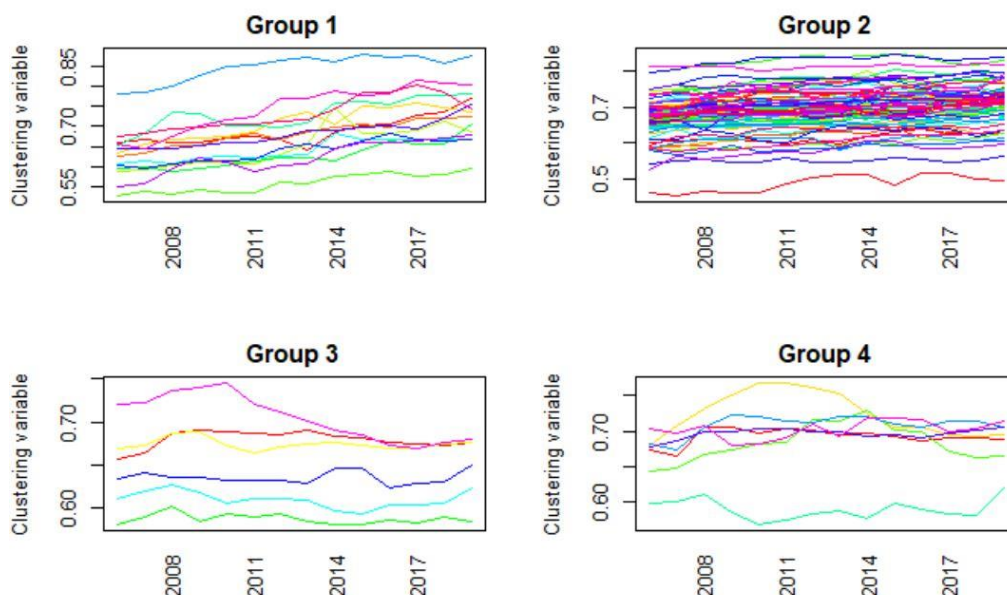
HM Measure: 10.74551

\$mstar

[1] 4

\$lpml

[1] 3591.248



D1-1: trend T, deg = 2, level = F, Dirichlet, c = 0.001

Number of groups of the chosen cluster configuration: 3

Time series in group 1 : Albania Bangladesh Bolivia Ethiopia France Mexico Namibia Nepal Nicaragua Slovenia

Time series in group 2 : Algeria Argentina Australia Austria Bahrain Belgium Botswana Brazil Bulgaria Burkina.Faso Cambodia Cameroon Canada Chad Chile China Colombia Costa.Rica Croatia Cyprus Czech.Republic Denmark Dominican.Republic Ecuador Egypt El.Salvador Estonia Finland Georgia Germany Ghana Greece Guatemala Honduras Hungary Iceland India Indonesia Iran..Islamic.Rep. Ireland Israel Italy Jamaica Japan Jordan Kazakhstan Kenya Korea..Rep. Kuwait Kyrgyz.Republic Latvia Lesotho Lithuania Luxembourg Madagascar Malawi Malaysia Mali Malta Mauritania Mauritius Moldova Mongolia Morocco Netherlands New.Zealand Nigeria Norway Pakistan Panama Paraguay Peru Philippines Poland Portugal Romania Russian.Federation Saudi.Arabia Singapore Slovak.Republic South.Africa Spain Sweden Switzerland Tanzania Thailand Turkey Uganda Ukraine United.Arab.Emirates United.Kingdom United.States Uruguay Venezuela Yemen

Time series in group 3 : Sri.Lanka

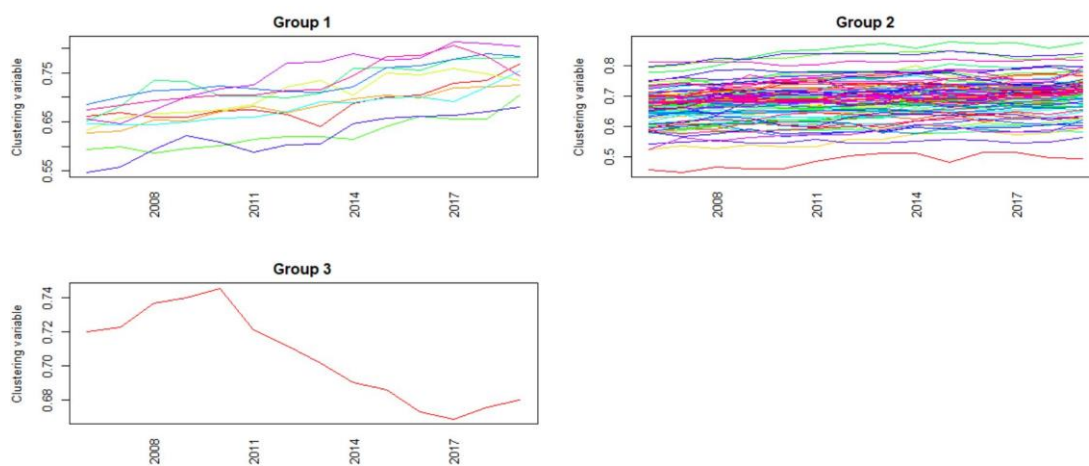
HM Measure: 10.96927

\$mstar

[1] 3

\$lpml

[1] 3705.739



D2-1: trend T, deg = 2, level = F,Poisson Dirichlet, c = 0.001

Number of groups of the chosen cluster configuration: 4

Time series in group 1 : Albania Algeria Argentina Australia Austria Bahrain Bangladesh Belgium Bolivia Botswana Brazil Bulgaria Burkina.Faso Cambodia Cameroon Canada Chad Chile China Colombia Costa.Rica Croatia Cyprus Czech.Republic Denmark Dominican.Republic Ecuador Egypt El.Salvador Estonia Ethiopia Finland France Georgia Germany Ghana Greece Guatemala Honduras Iceland India Indonesia Ireland Israel Italy Jamaica Japan Kazakhstan Kenya Korea..Rep. Kuwait Kyrgyz.Republic Latvia Lesotho Lithuania Luxembourg Madagascar Malawi Malaysia Mali Malta Mauritania Mauritius Mexico Moldova Mongolia Morocco Namibia Nepal Netherlands New.Zealand Nicaragua Nigeria Norway Pakistan Panama Paraguay Peru Philippines Poland Portugal Romania Russian.Federation Saudi.Arabia Singapore Slovak.Republic Slovenia South.Africa Spain Sweden Switzerland Tanzania Thailand Turkey Uganda Ukraine United.Arab.Emirates United.Kingdom United.States Uruguay Venezuela Yemen

Time series in group 2 : Hungary

Time series in group 3 : Iran..Islamic.Rep.

Time series in group 4 : Jordan Sri.Lanka

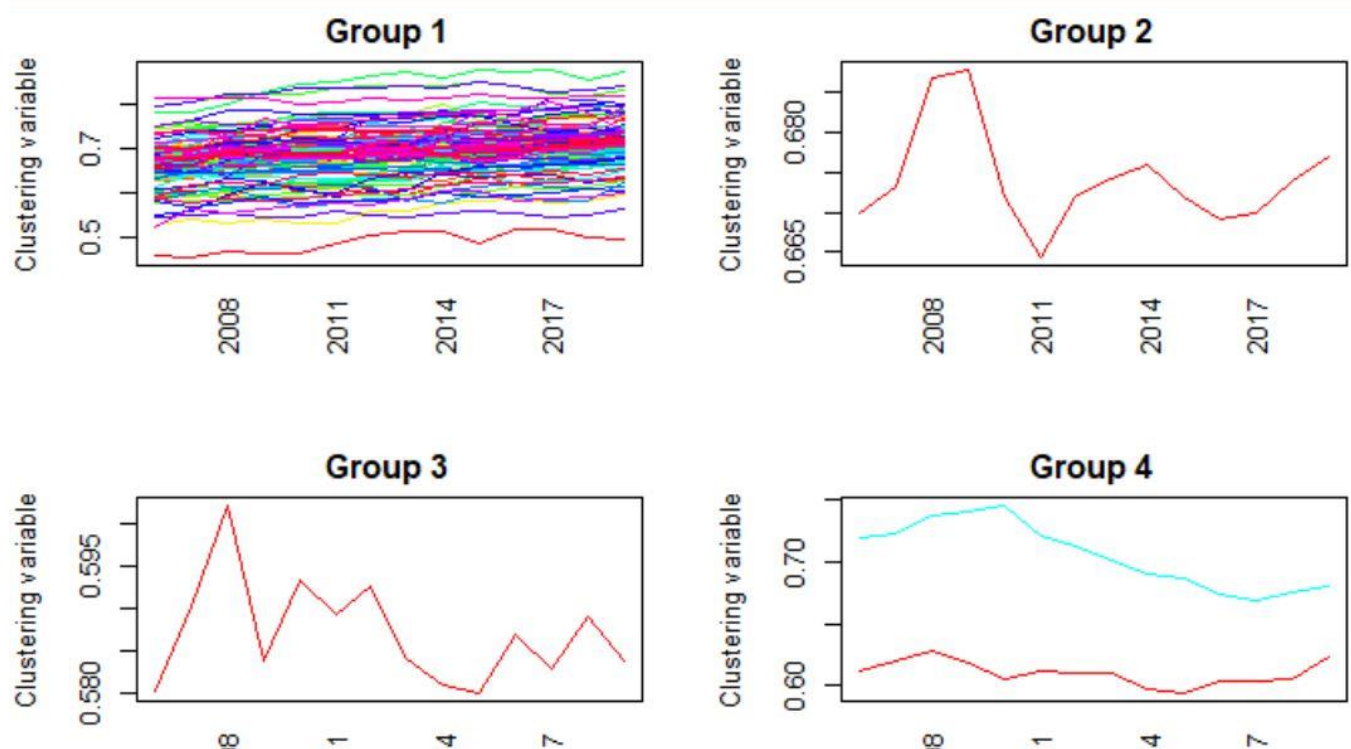
HM Measure: 10.81035

\$mstar

[1] 4

\$lpml

[1] 3718.373



D3-1: trend T, deg = 2, level = F, Nstable , c = 0.001

Number of groups of the chosen cluster configuration: 4

Time series in group 1 : Albania Algeria Argentina Australia Austria Bahrain Bangladesh Belgium Bolivia Botswana Brazil Bulgaria Burkina.Faso Cambodia Cameroon Canada Chad Chile China Colombia Costa.Rica Croatia Cyprus Czech.Republic Denmark Dominican.Republic Ecuador Egypt El.Salvador Estonia Ethiopia Finland France Georgia Germany Ghana Greece Guatemala Honduras Iceland India Indonesia Ireland Israel Italy Jamaica Japan Kazakhstan Kenya Korea..Rep. Kuwait Kyrgyz.Republic Latvia Lesotho Lithuania Luxembourg Madagascar Malawi Malaysia Mali Malta Mauritania Mauritius Mexico Moldova Mongolia Morocco Namibia Nepal Netherlands New.Zealand Nicaragua Nigeria Norway Pakistan Panama Paraguay Peru Philippines Poland Portugal Romania Russian.Federation Saudi.Arabia Singapore Slovak.Republic Slovenia South.Africa Spain Sweden Switzerland Tanzania Thailand Turkey Uganda Ukraine United.Arab.Emirates United.Kingdom United.States Uruguay Venezuela Yemen

Time series in group 2 : Hungary

Time series in group 3 : Iran..Islamic.Rep. Sri.Lanka

Time series in group 4 : Jordan

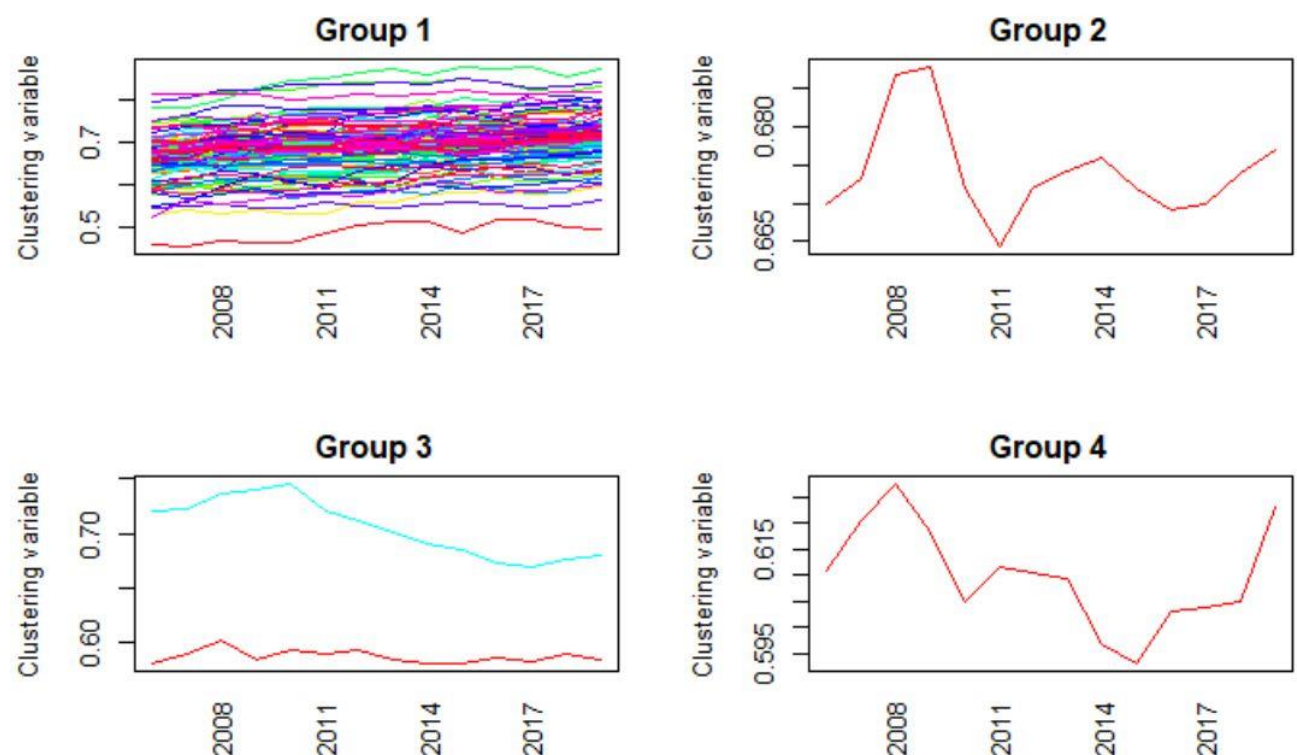
HM Measure: 10.94693

\$mstar

[1] 4

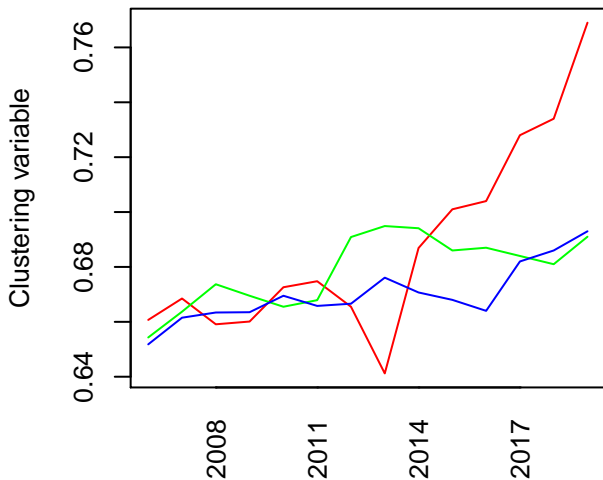
\$lpml

[1] 3736.161

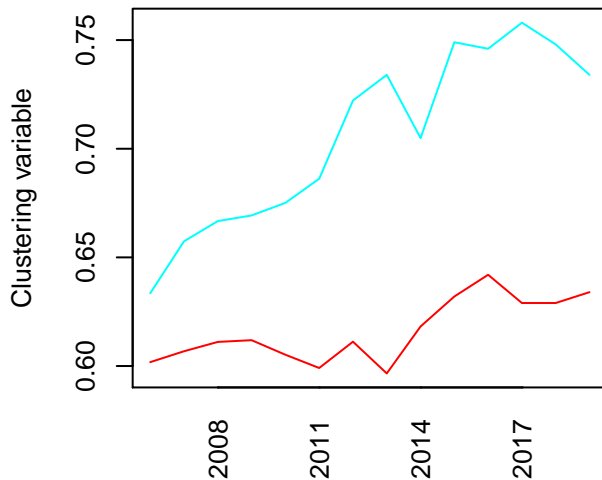


E1-1: trend F, level = F, Dirichlet, c = 0.001:

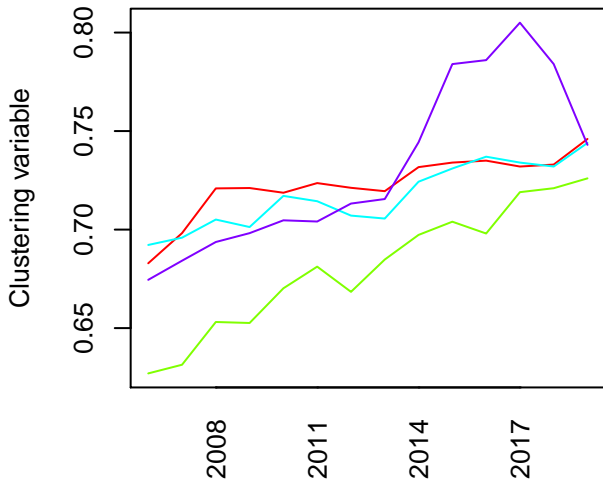
Group 1



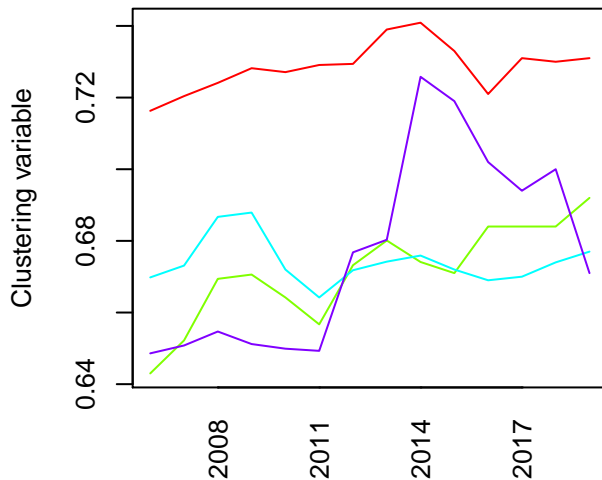
Group 2



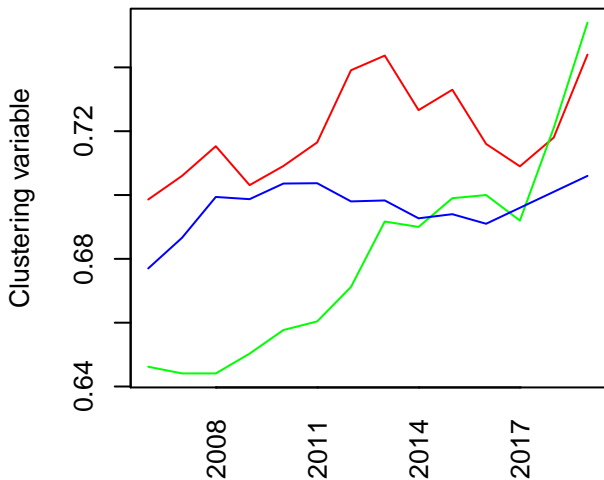
Group 3



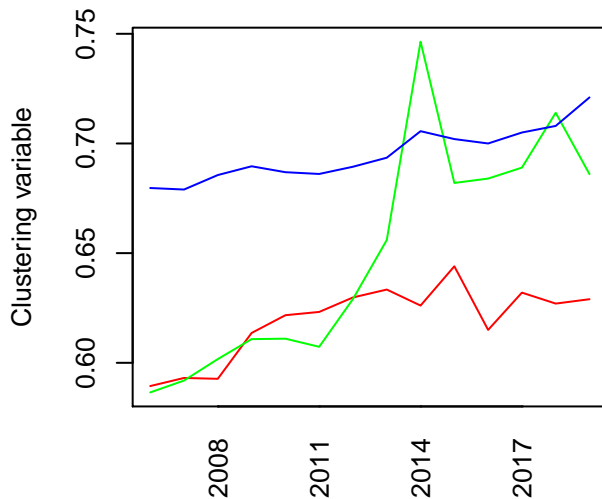
Group 4



Group 5



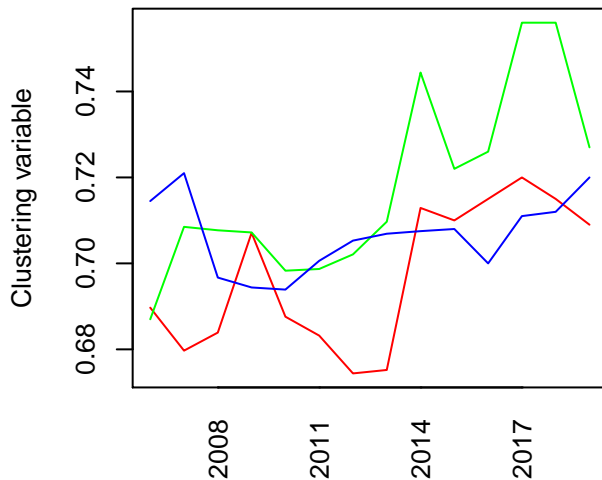
Group 6



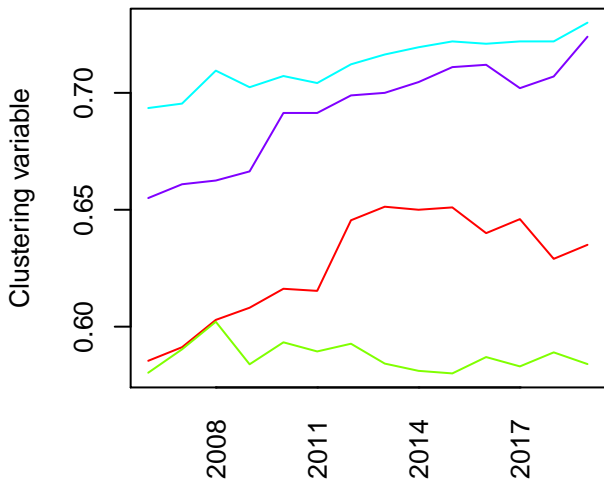
Group 7



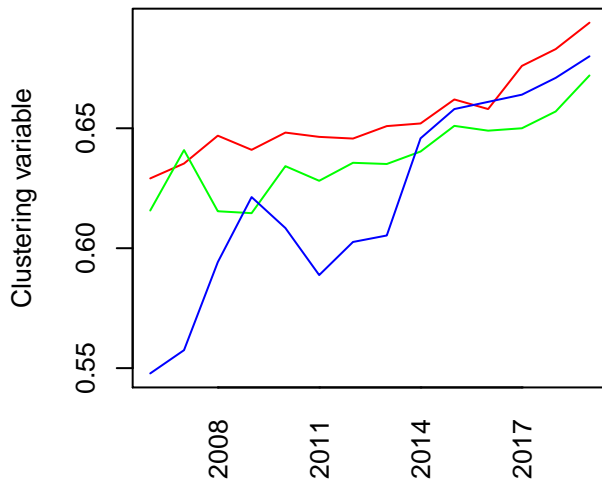
Group 8



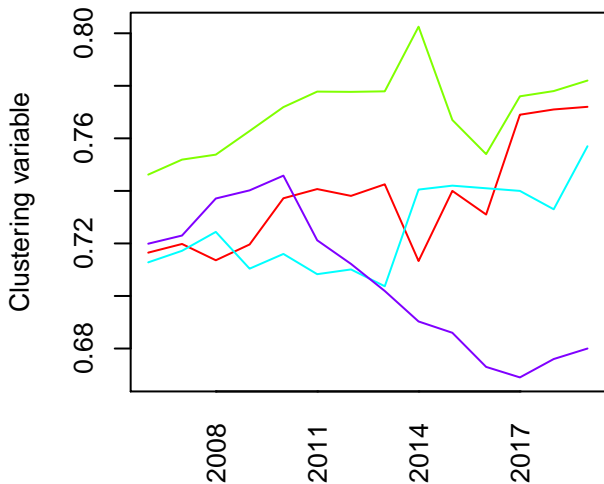
Group 9



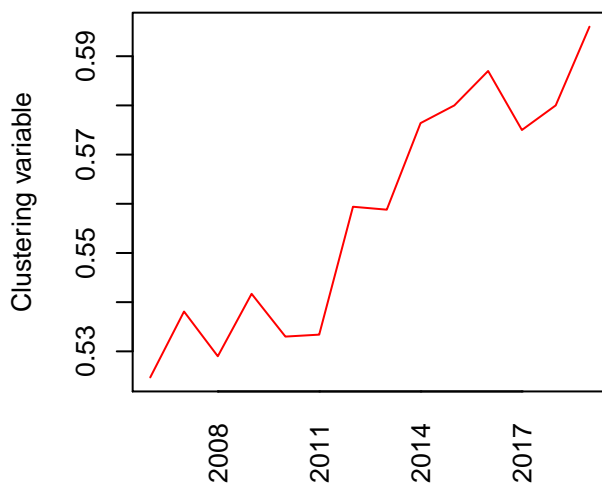
Group 10



Group 11



Group 12



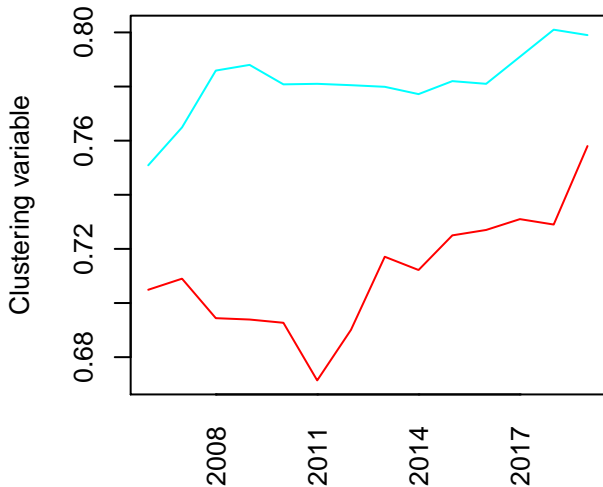
Group 13



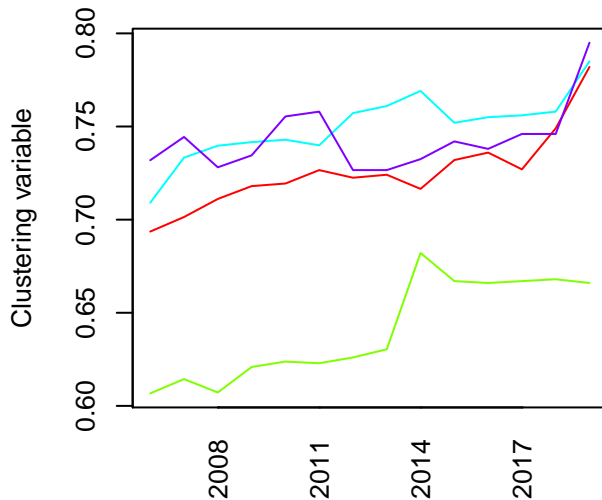
Group 14



Group 15



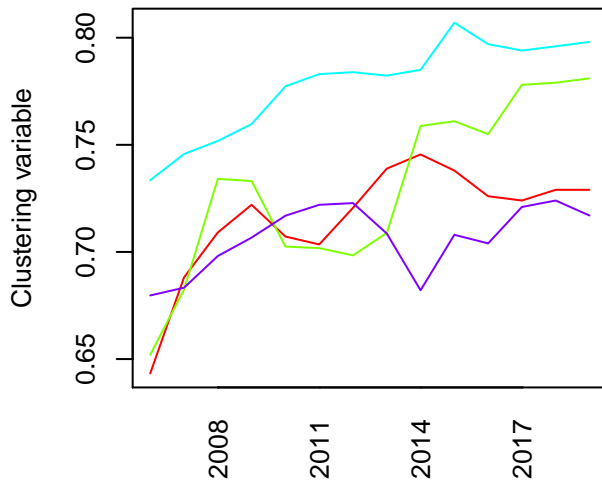
Group 16



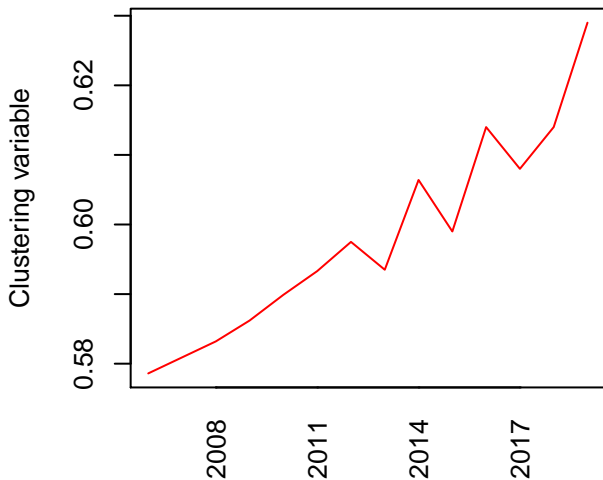
Group 17



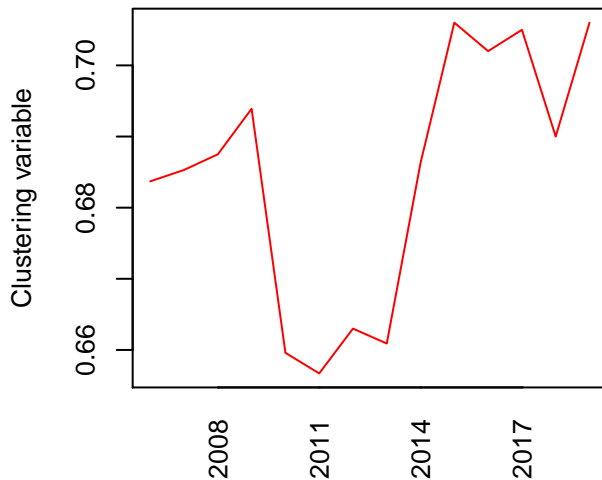
Group 18



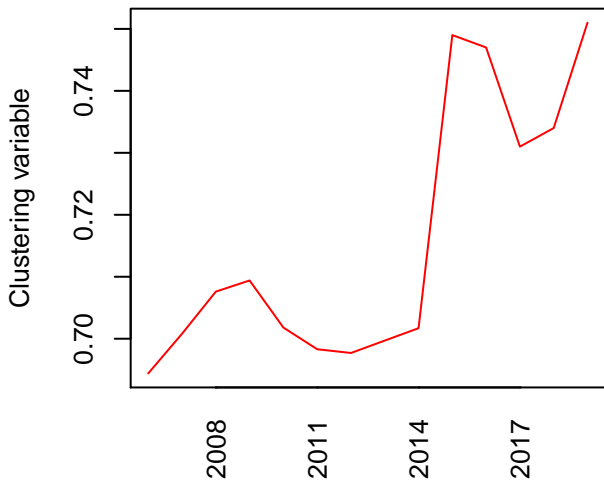
Group 19



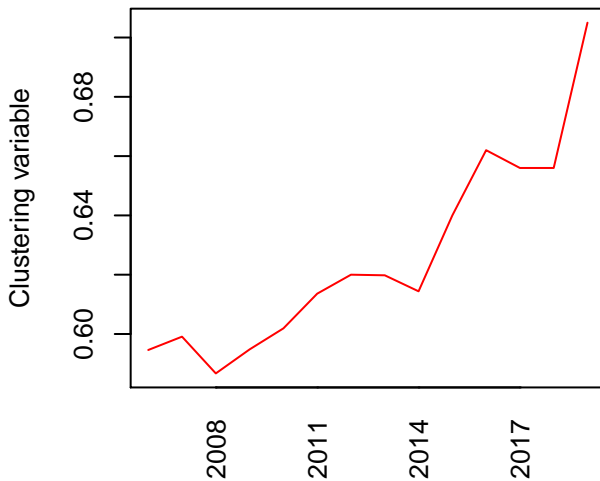
Group 20



Group 21



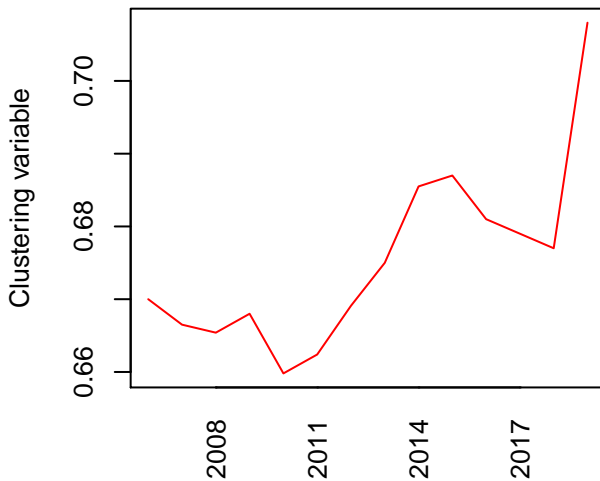
Group 22



Group 23



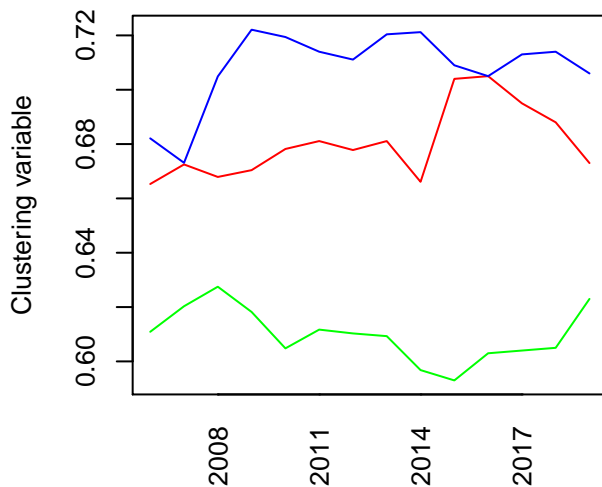
Group 24



Group 25



Group 26



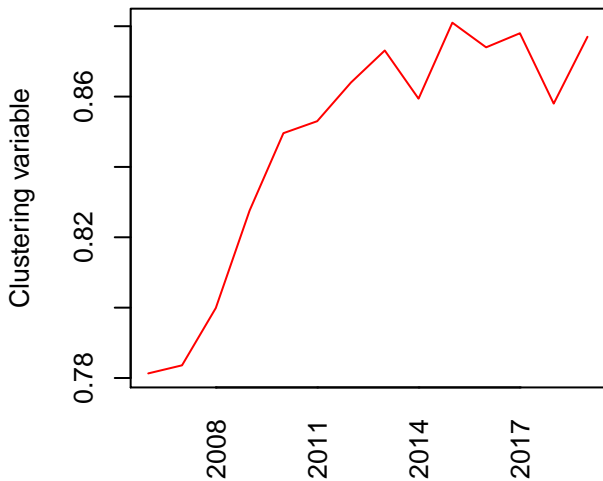
Group 27



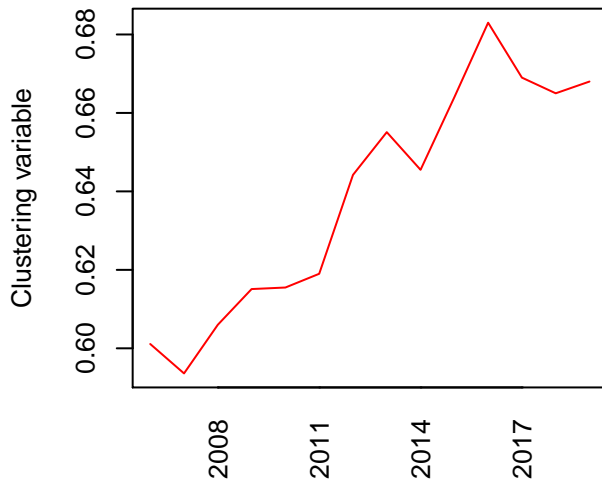
Group 28



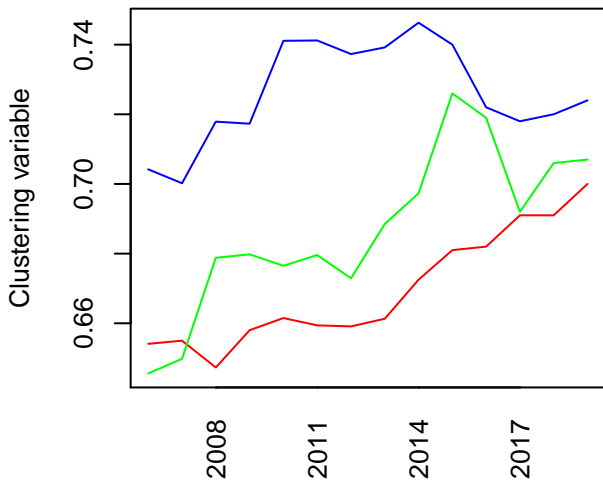
Group 29



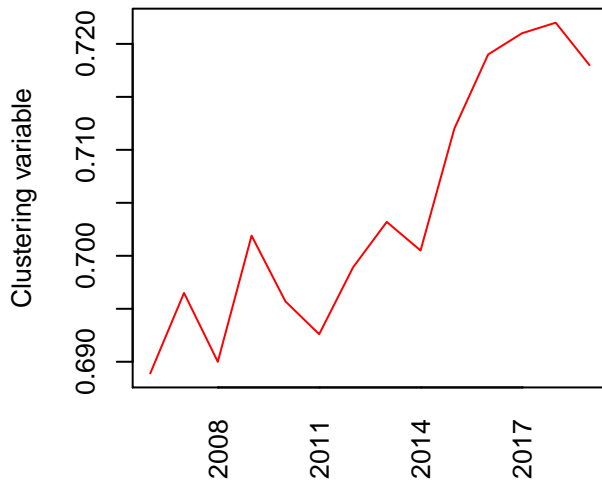
Group 30



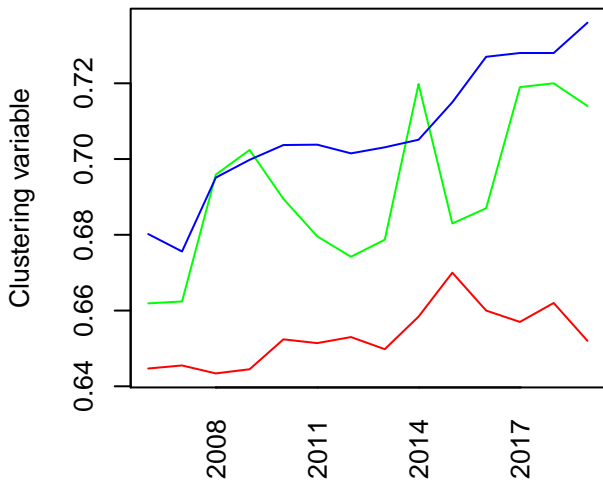
Group 31



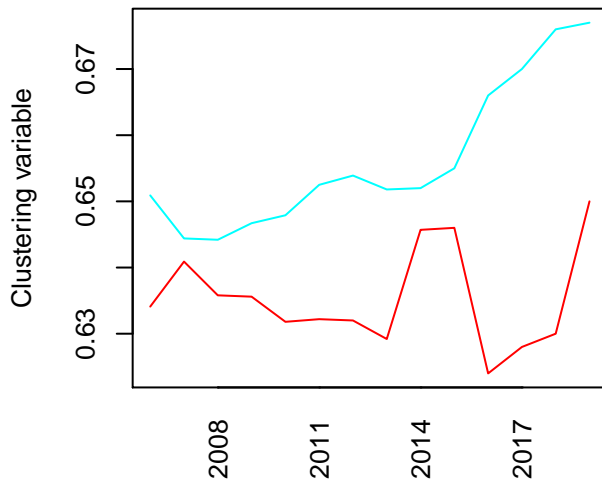
Group 32



Group 33



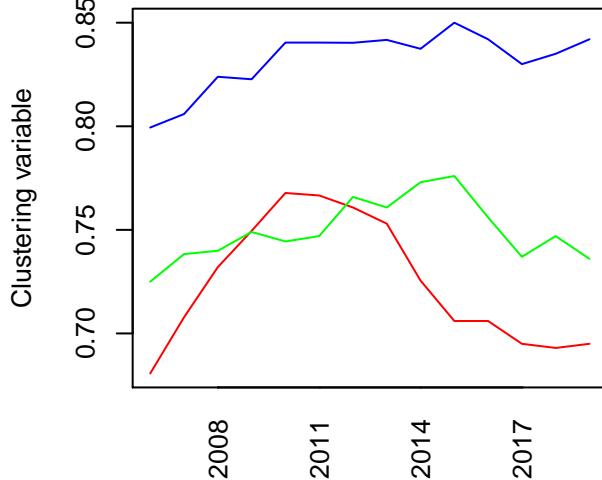
Group 34



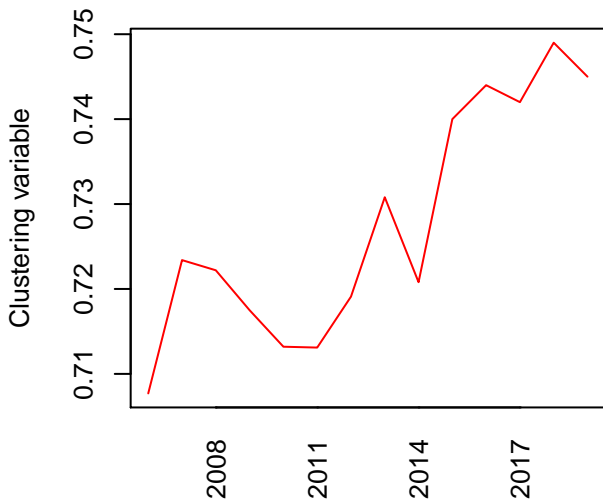
Group 35



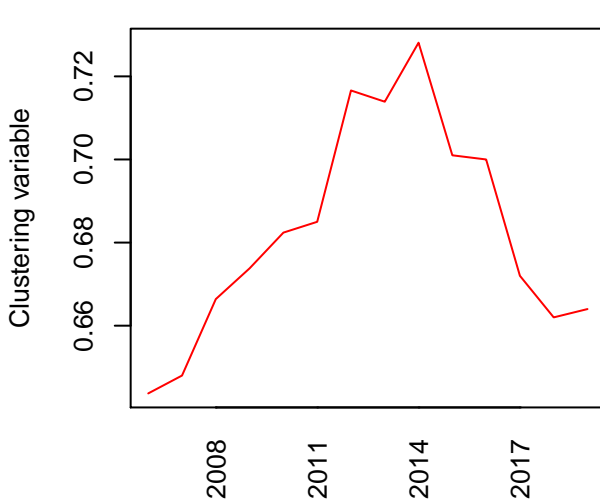
Group 36



Group 37



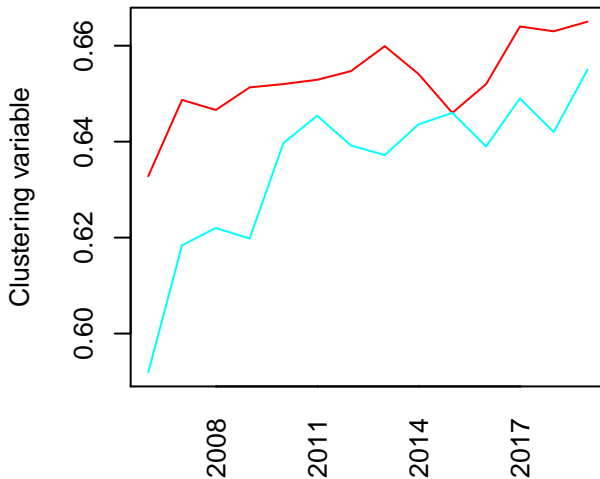
Group 38



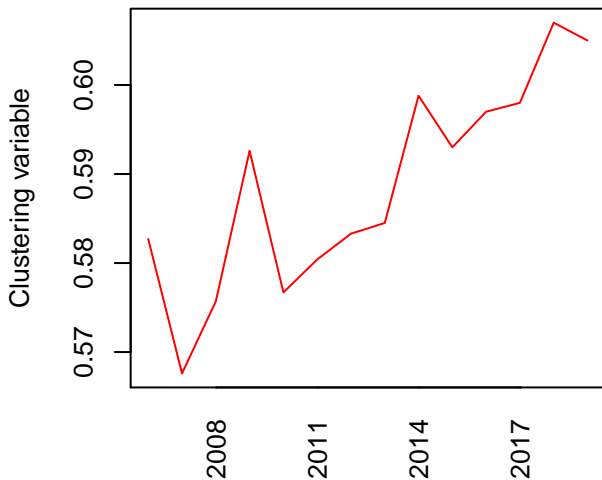
Group 39



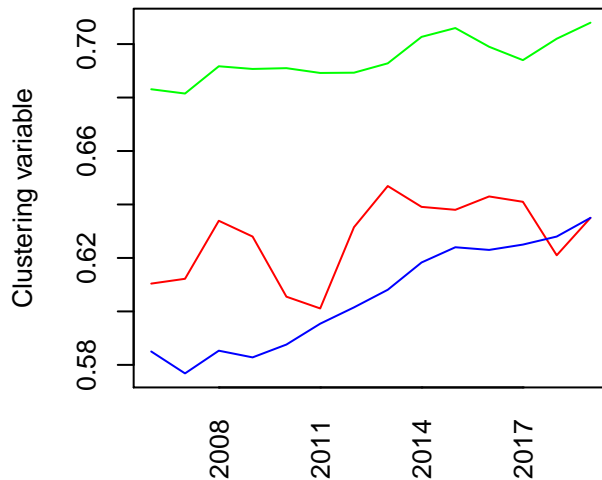
Group 40



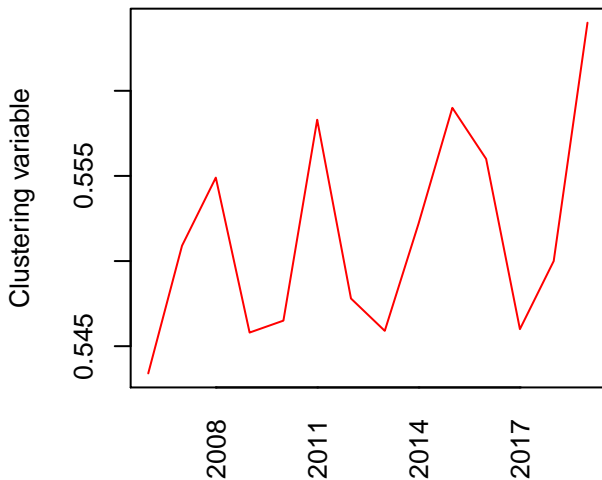
Group 41



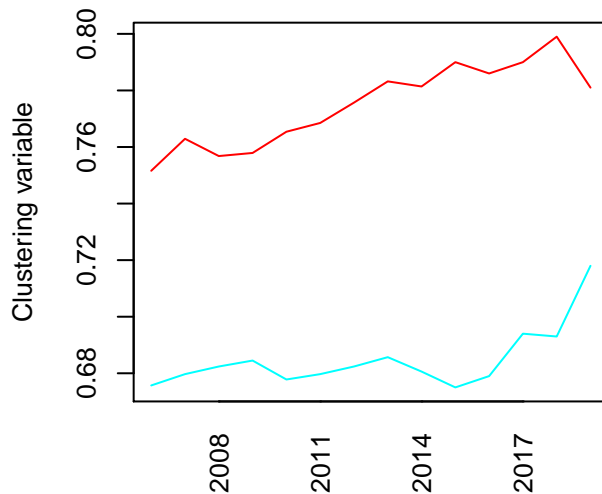
Group 42



Group 43



Group 44



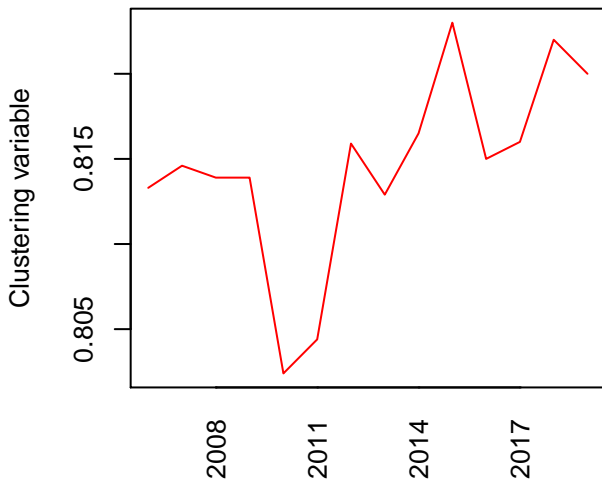
Group 45



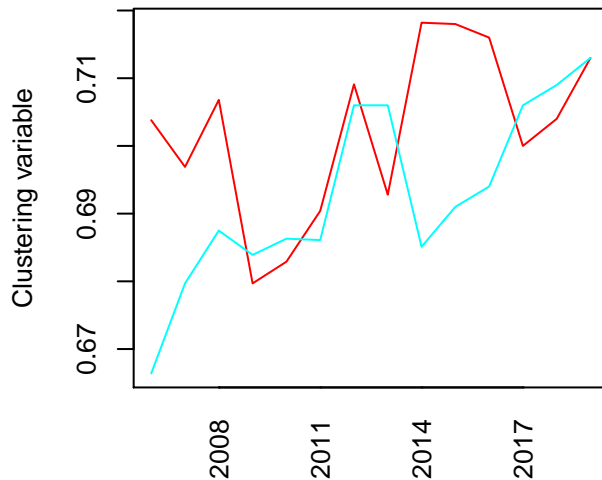
Group 46



Group 47



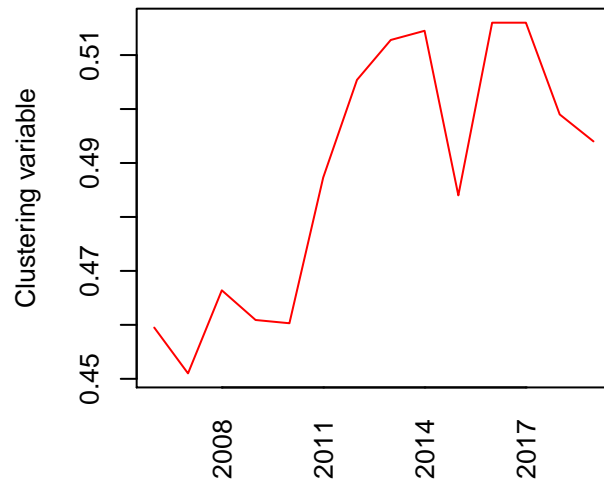
Group 48



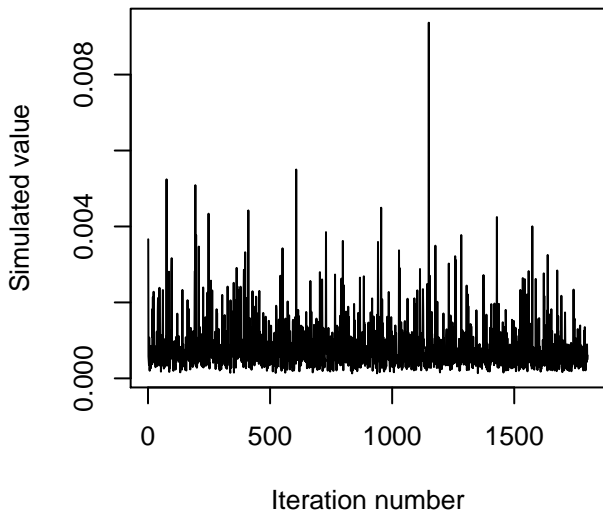
Group 49



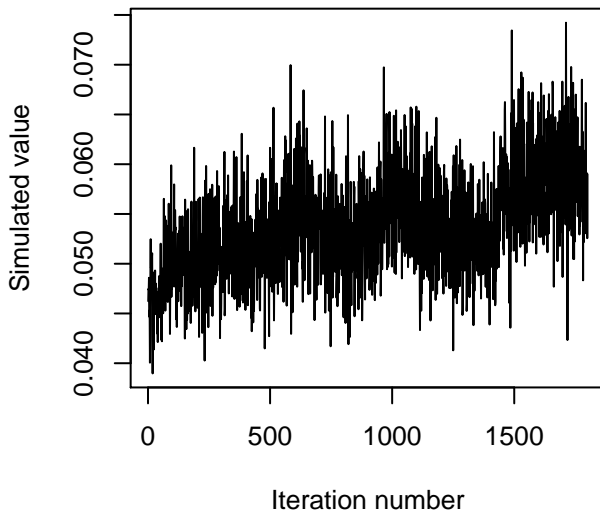
Group 50



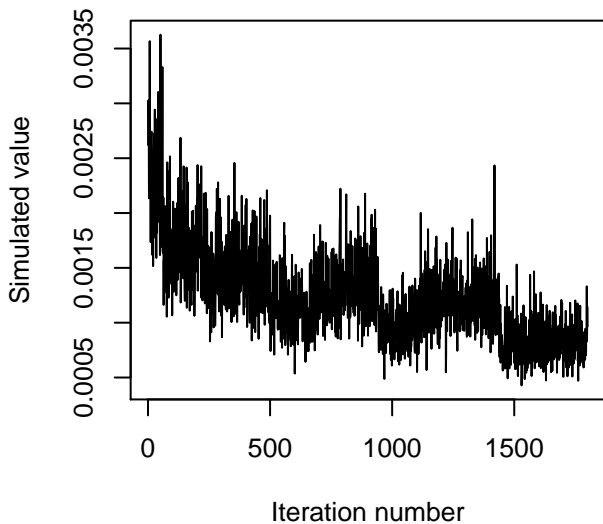
Trace plot of sig2eps



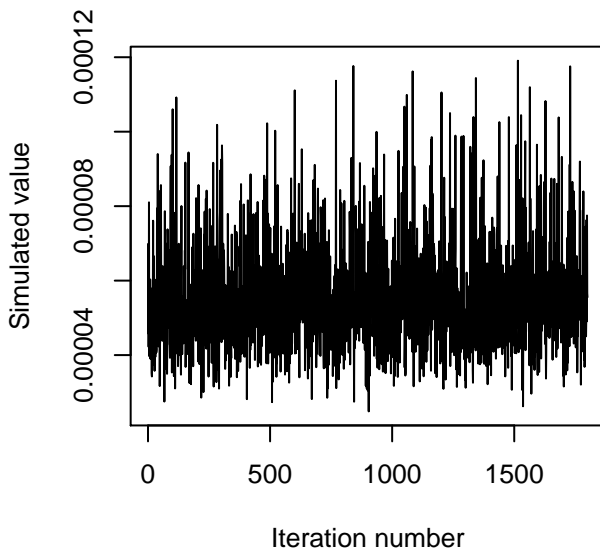
Trace plot of sig2theta



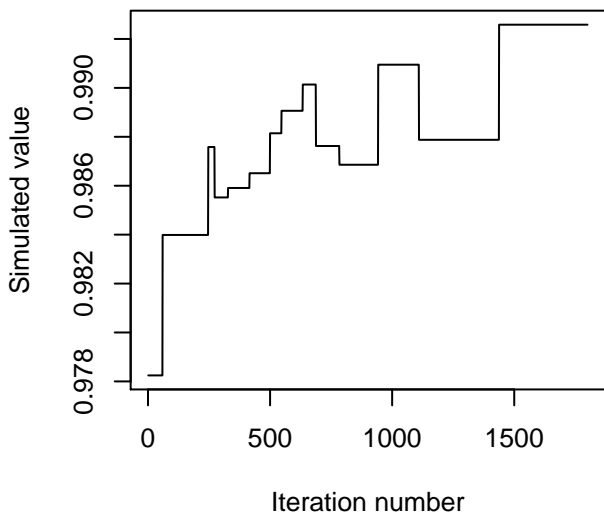
Trace plot of sig2alpha



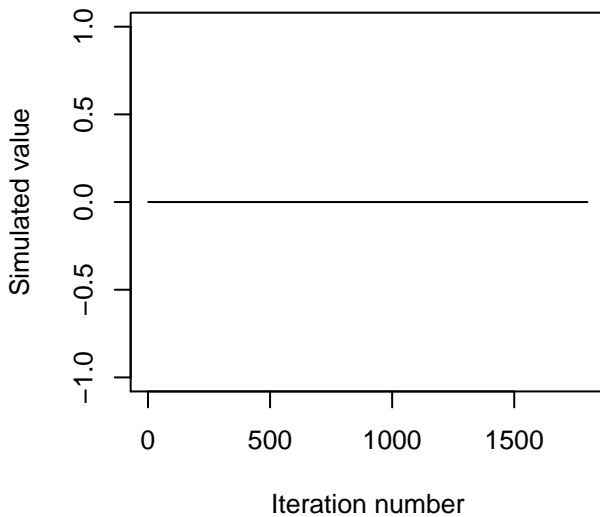
Trace plot of sig2beta



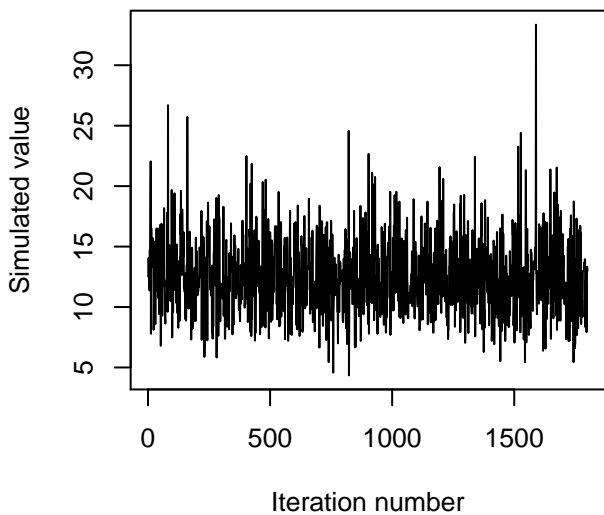
Trace plot of rho



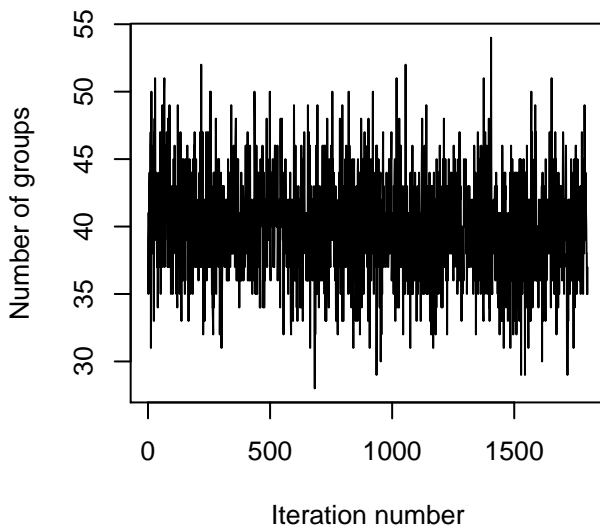
Trace plot of a



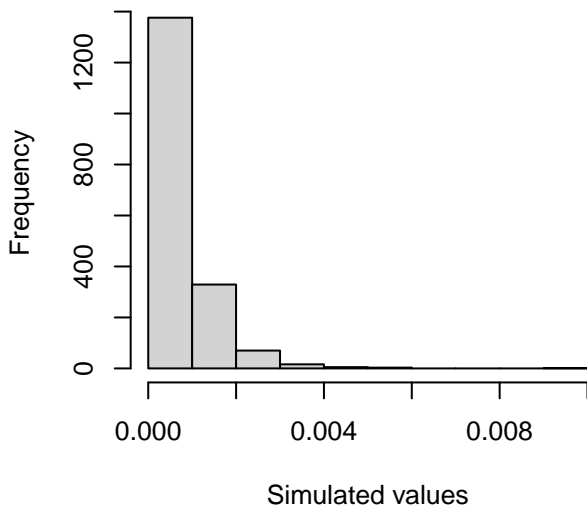
Trace plot of b



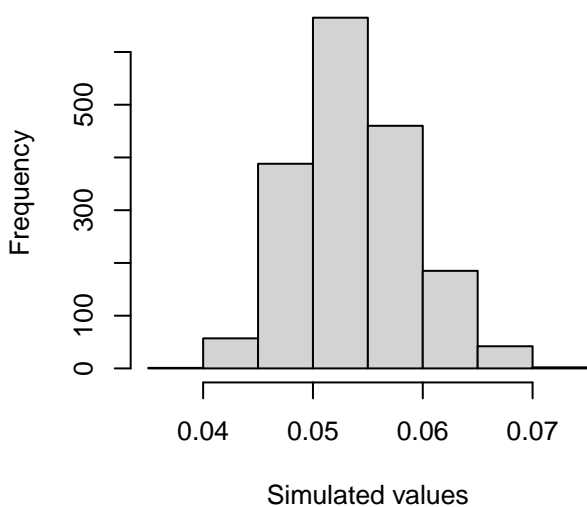
m



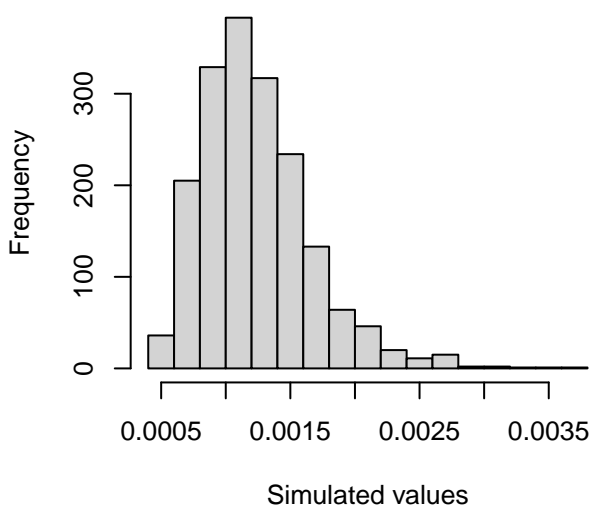
Hist. of sig2eps



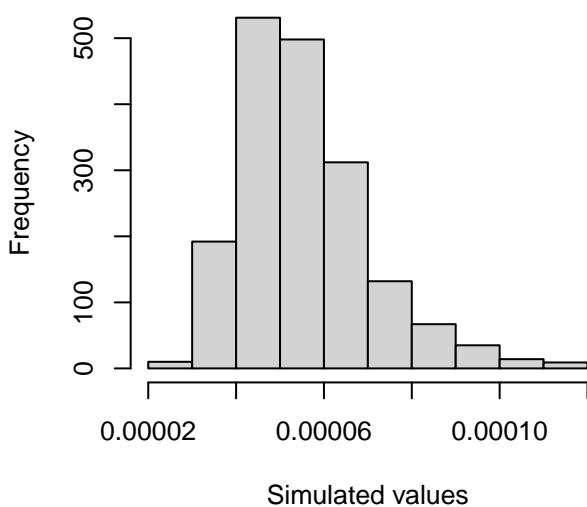
Hist. of sig2the



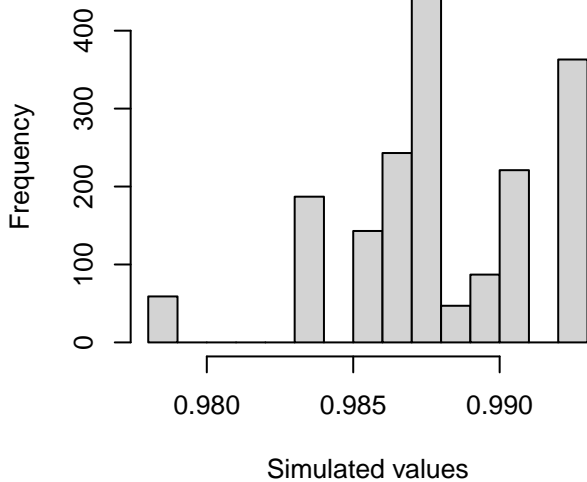
Hist. of sig2alpha



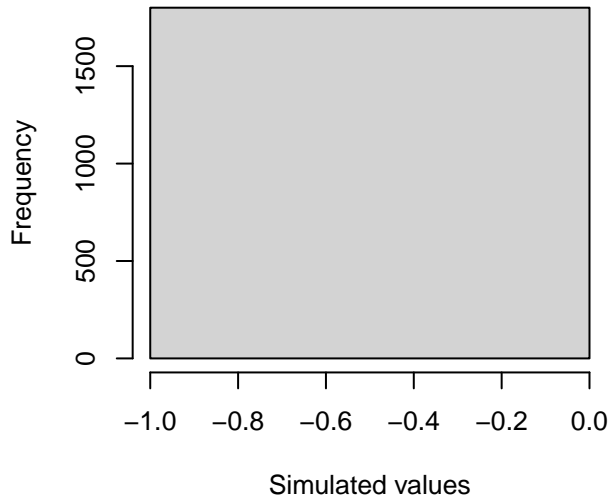
Hist. of sig2beta



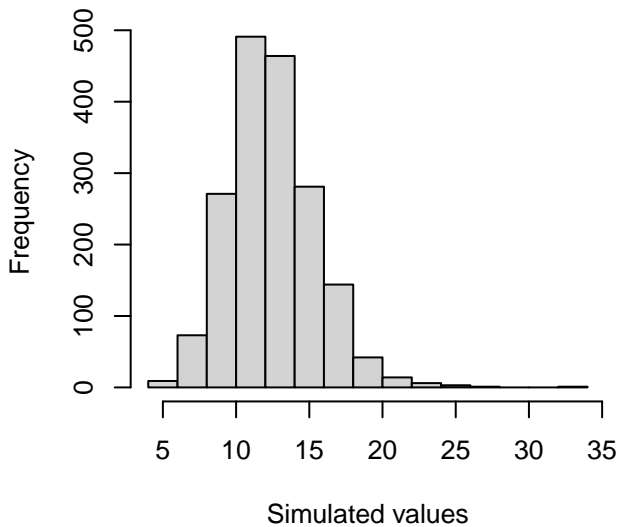
Hist. of rho



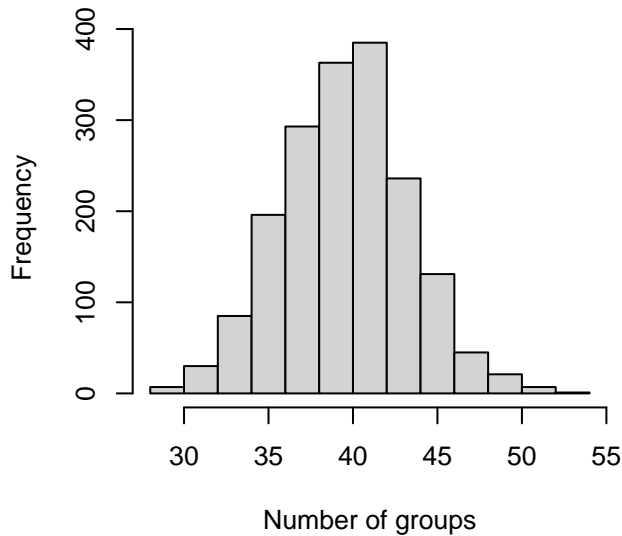
Hist. of a



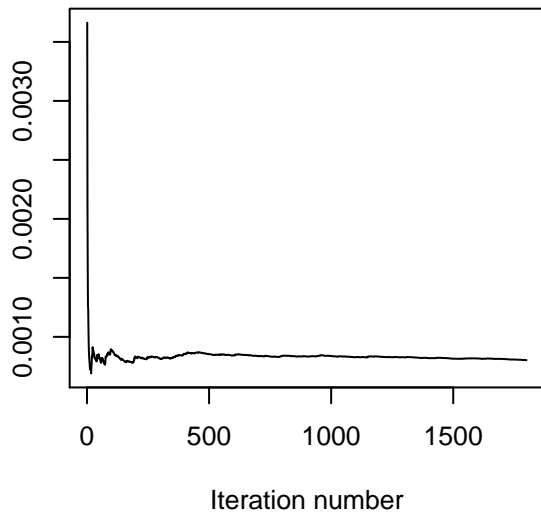
Hist. of b



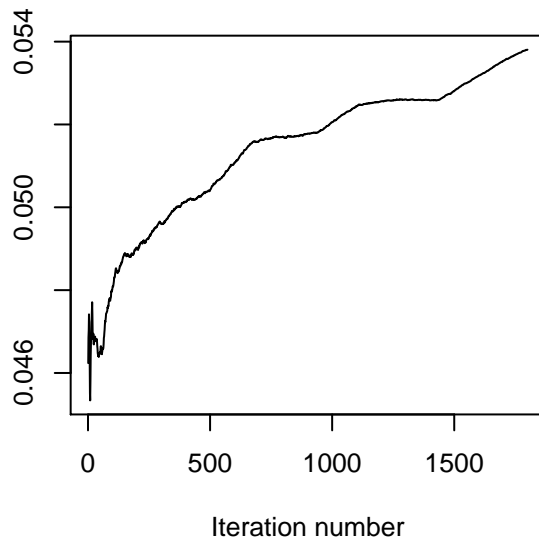
Hist. of m



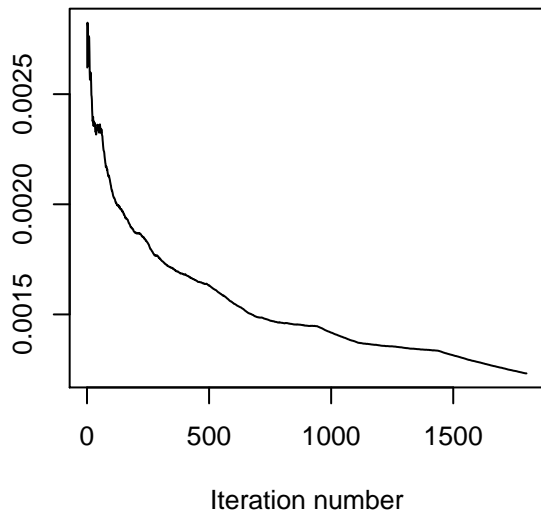
Ergodic mean of sig2eps



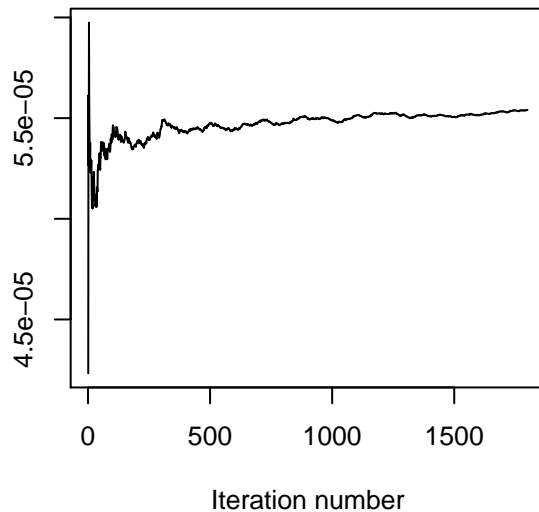
Ergodic mean of sig2the



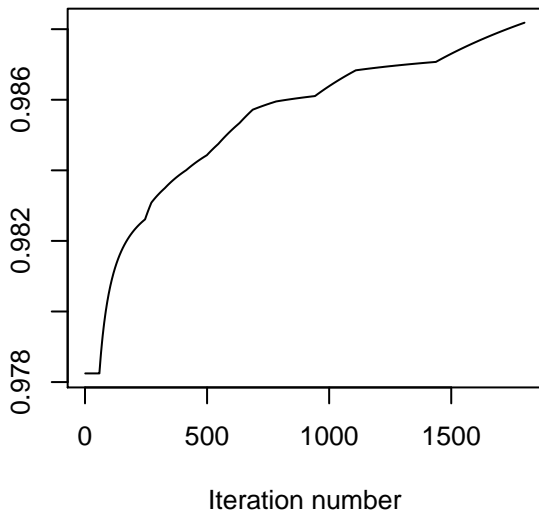
Ergodic mean of sig2alpha



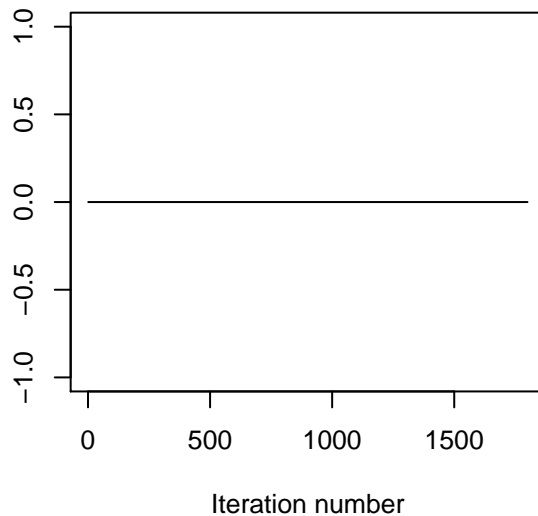
Ergodic mean of sig2beta



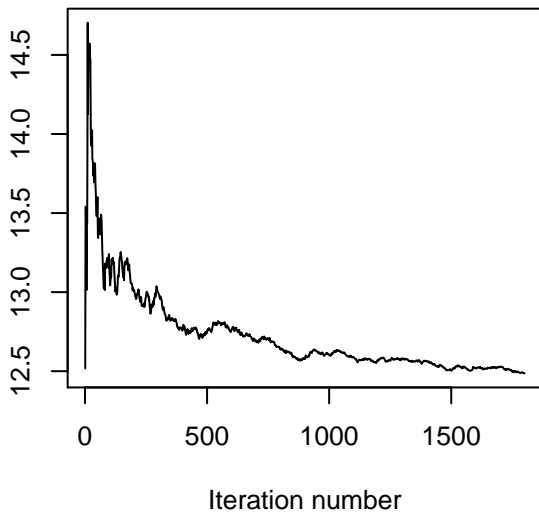
Ergodic mean of rho



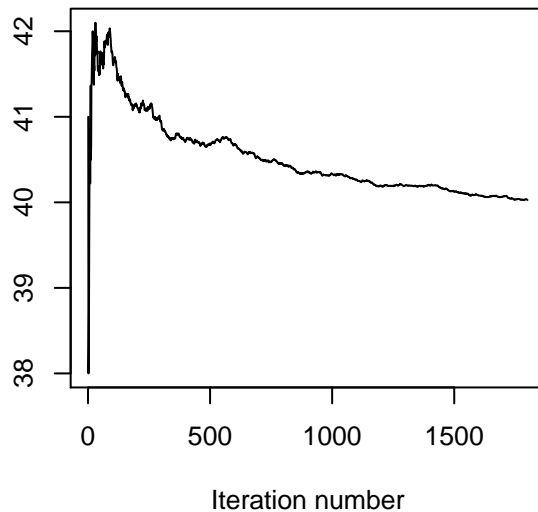
Ergodic mean of a



Ergodic mean of b

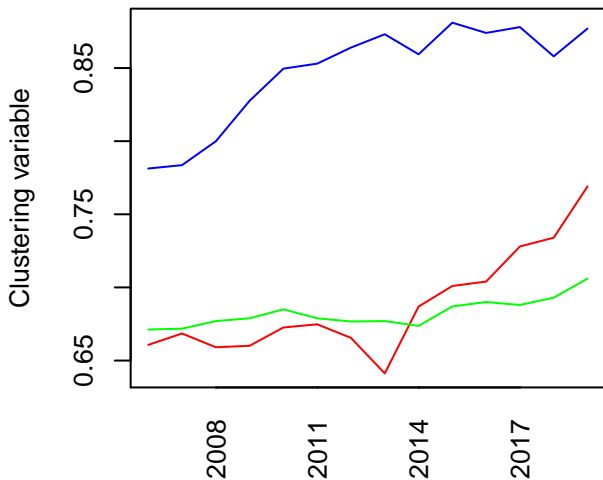


Ergodic mean of m

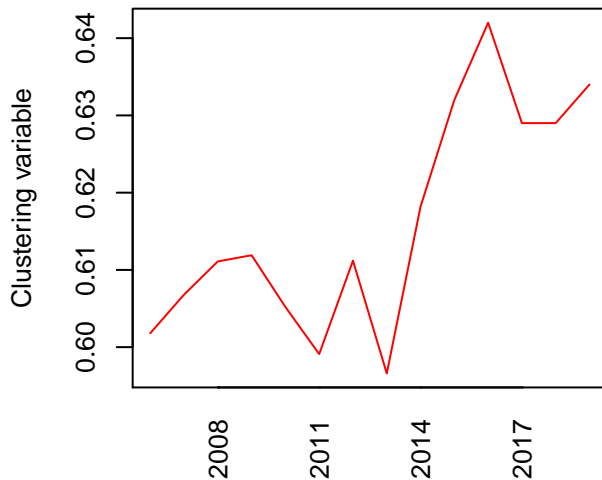


E2-1: trend = F, level = T, Poisson - Dirichlet, $c = 0.001$

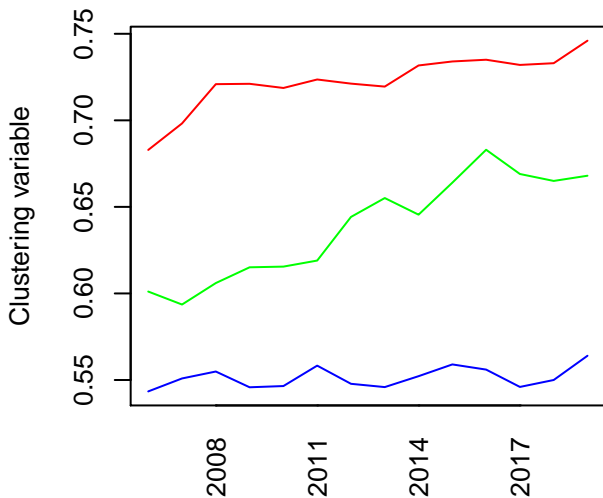
Group 1



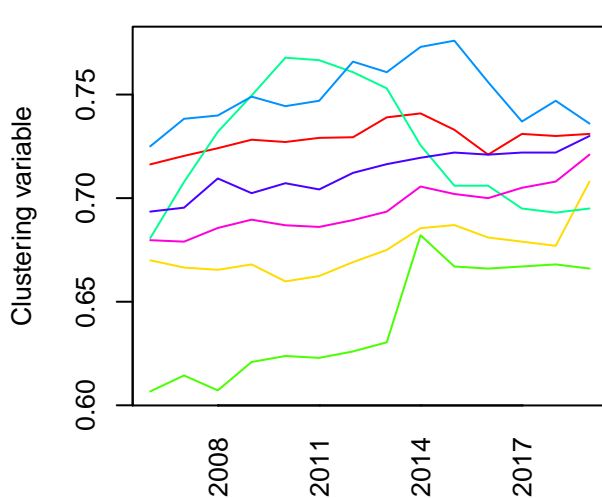
Group 2



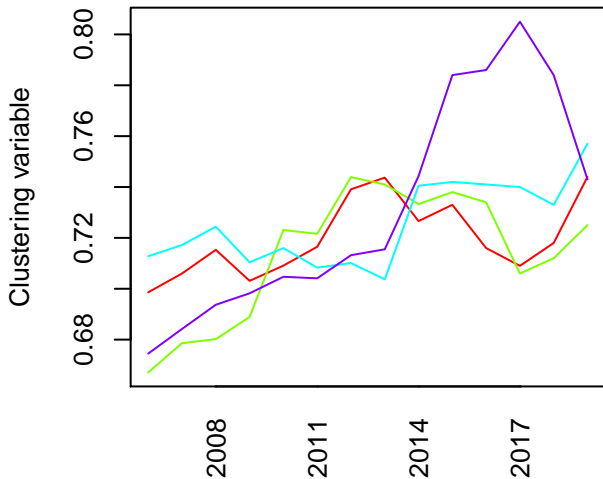
Group 3



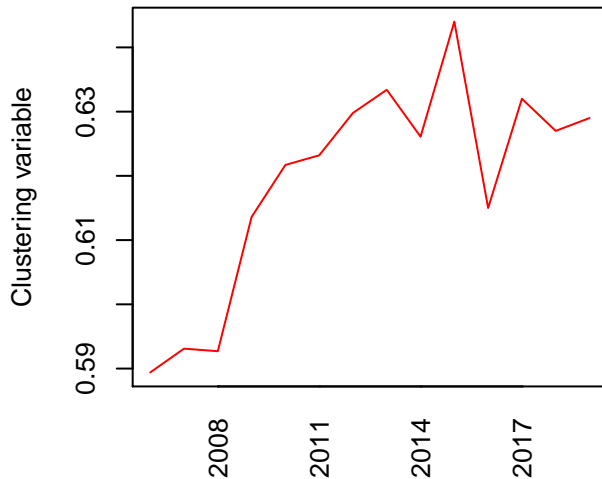
Group 4



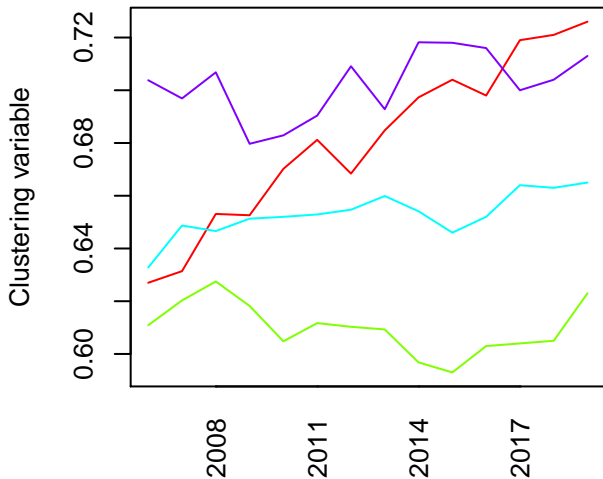
Group 5



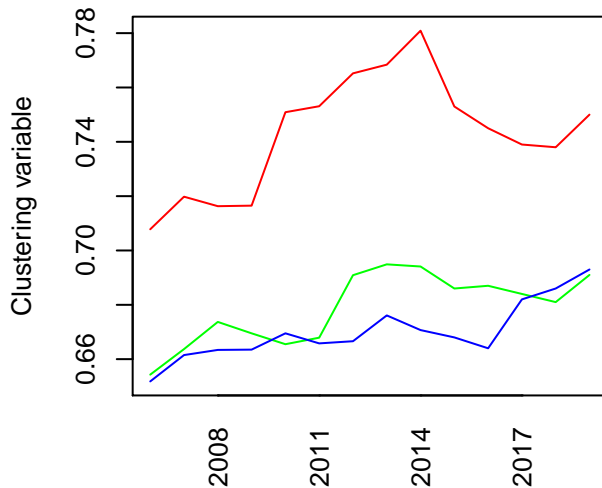
Group 6



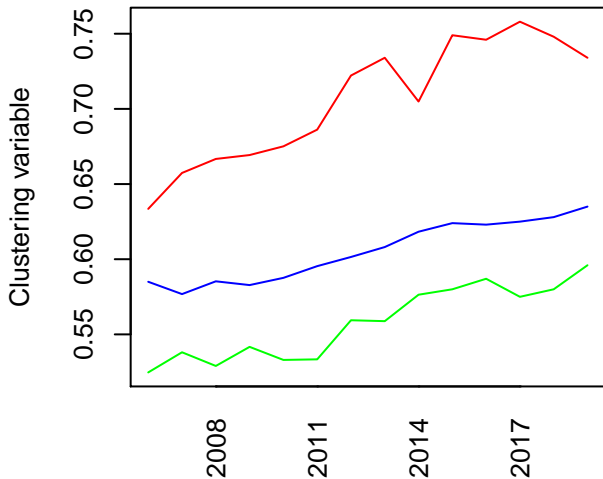
Group 7



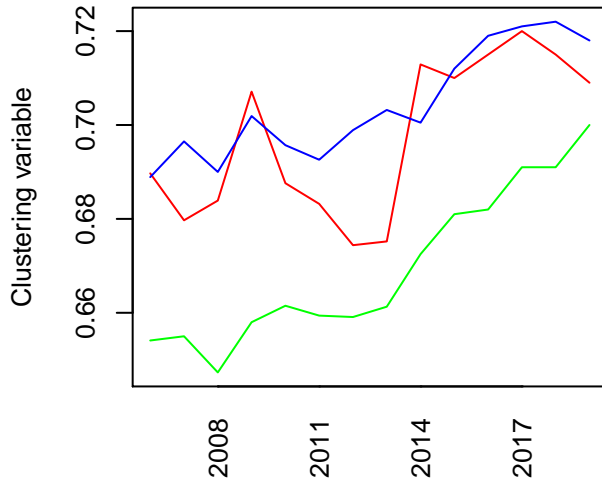
Group 8



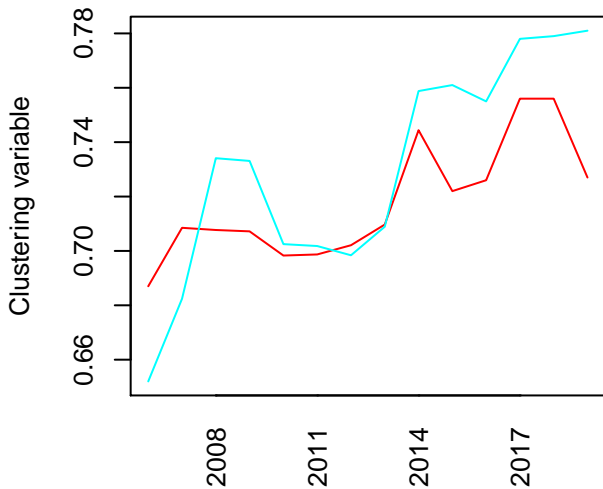
Group 9



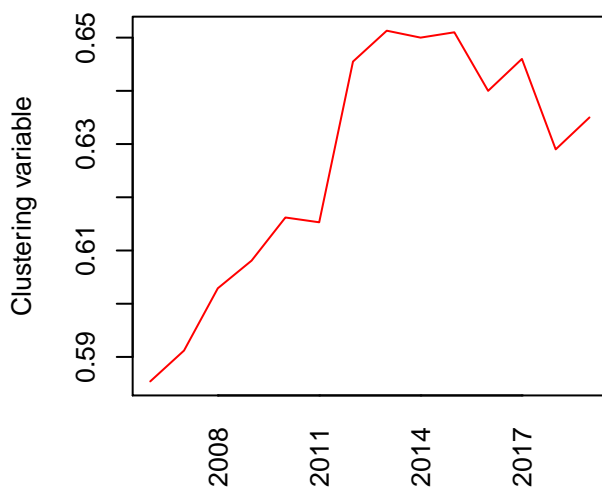
Group 10



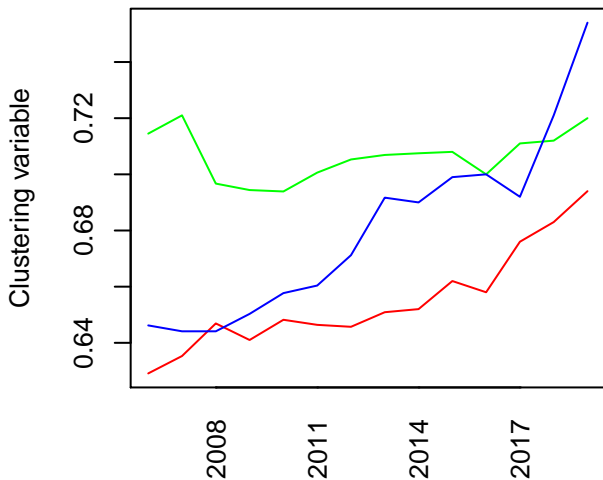
Group 11



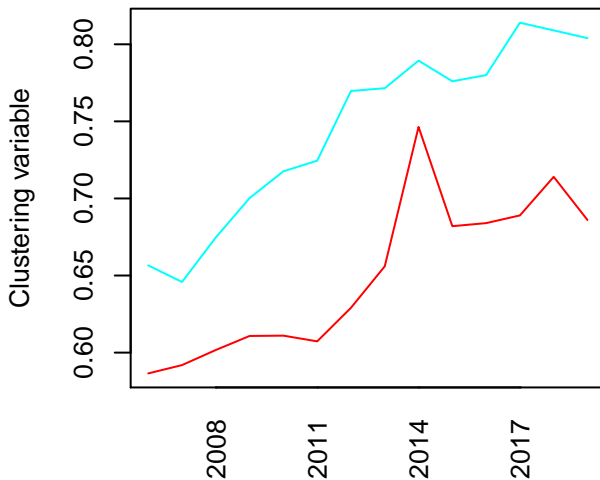
Group 12



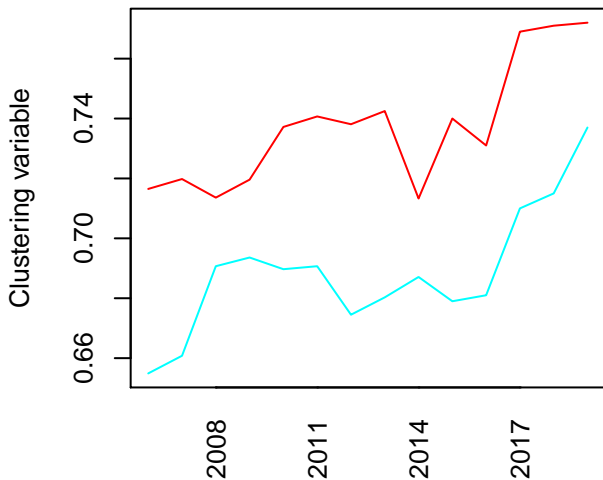
Group 13



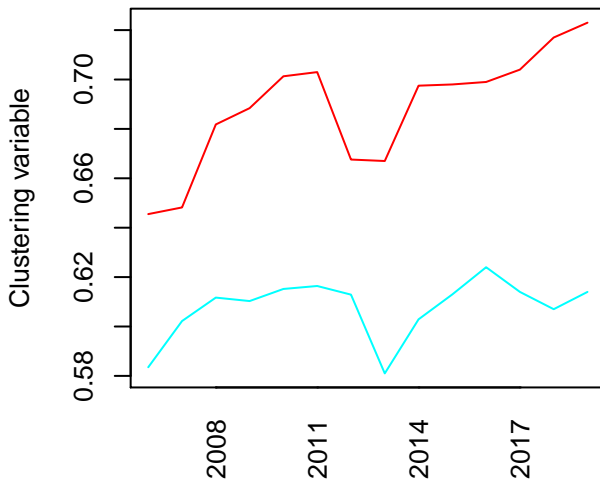
Group 14



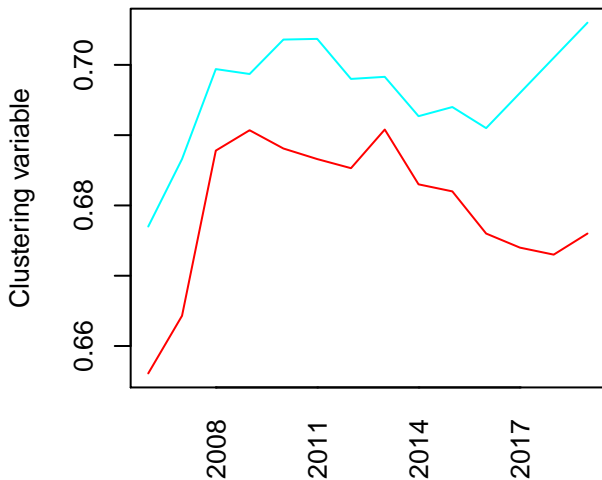
Group 15



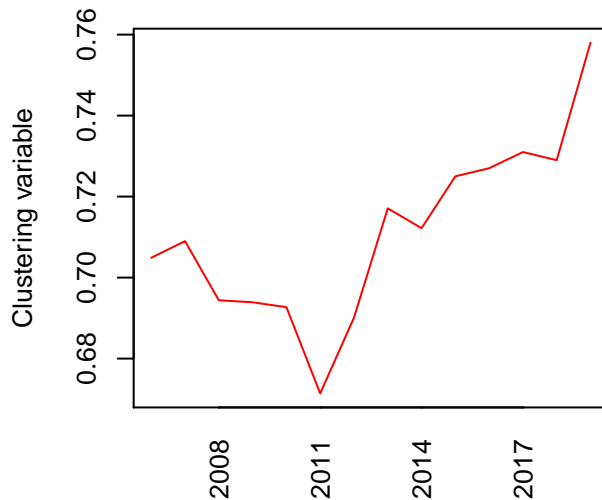
Group 16



Group 17



Group 18



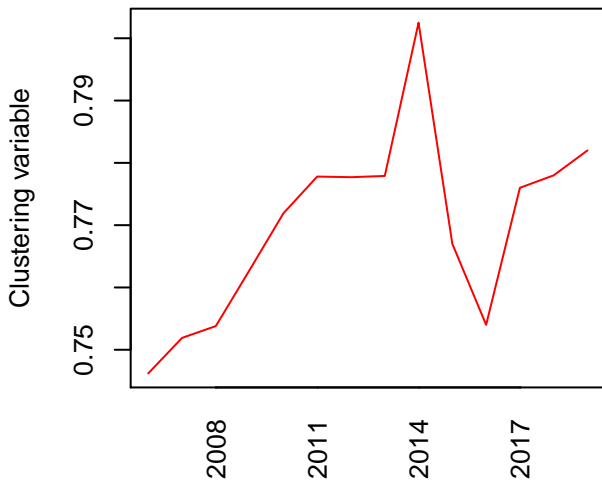
Group 19



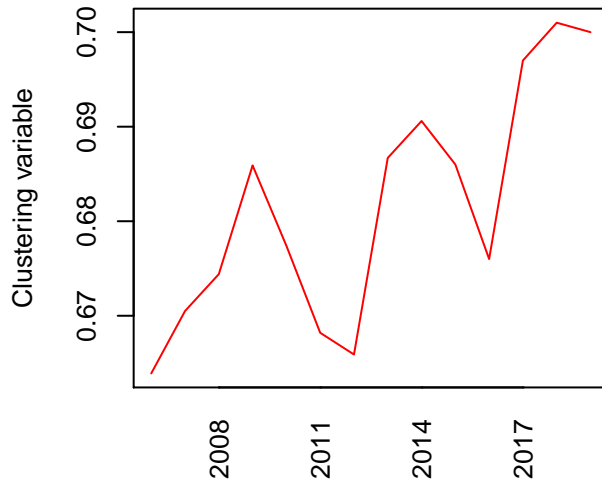
Group 20



Group 21



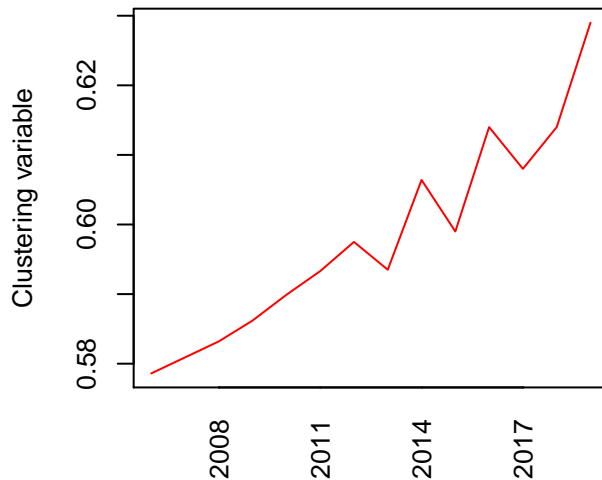
Group 22



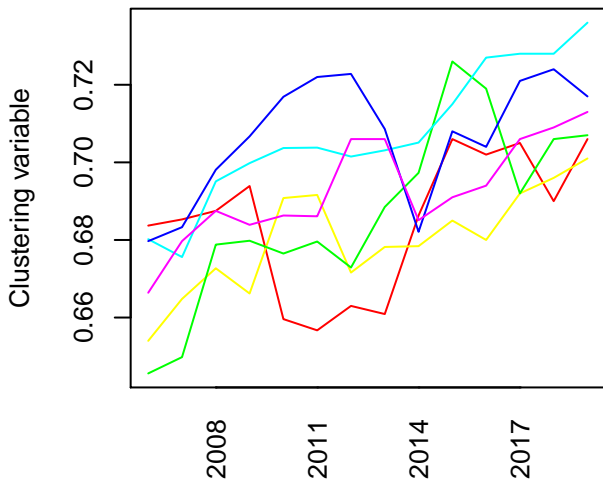
Group 23



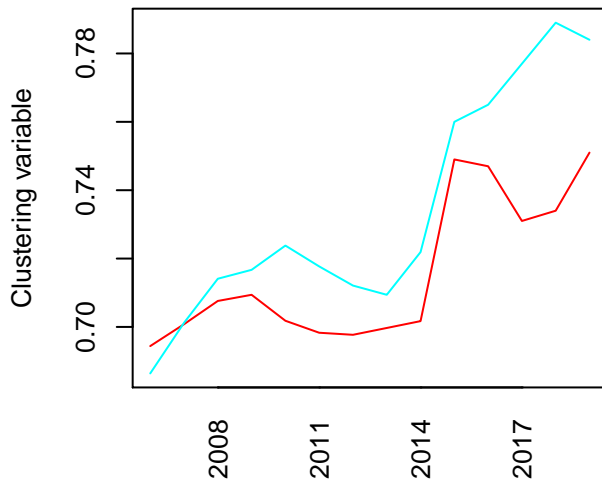
Group 24



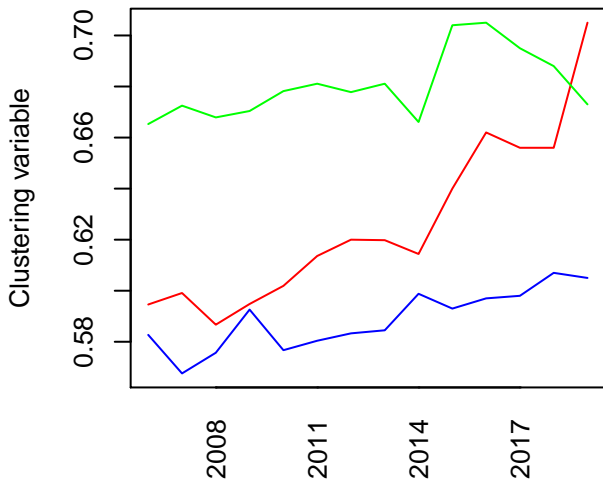
Group 25



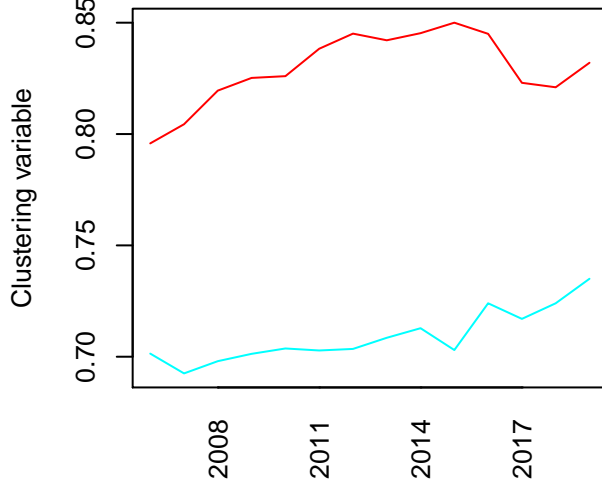
Group 26



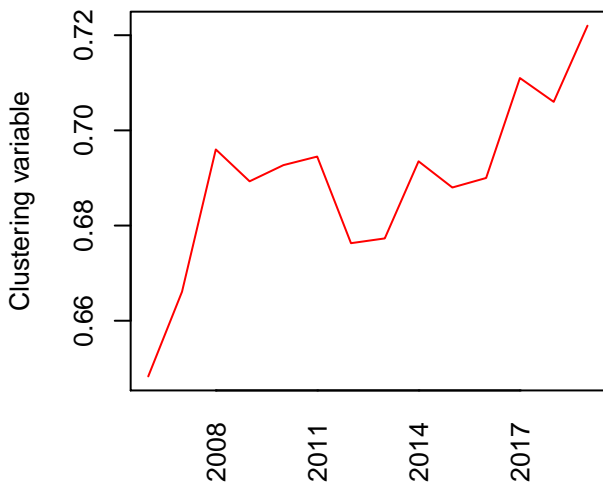
Group 27



Group 28



Group 29



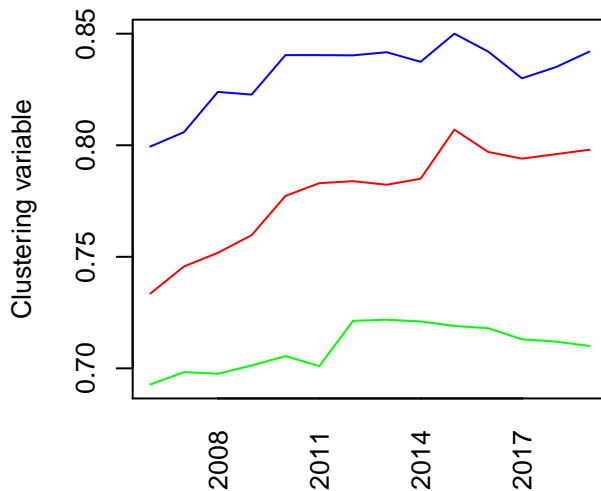
Group 30



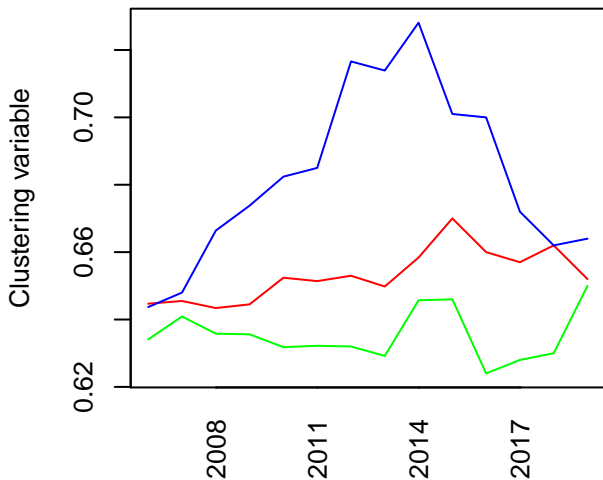
Group 31



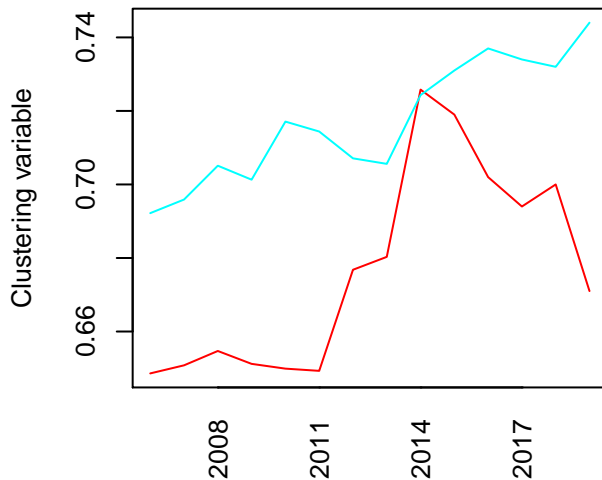
Group 32



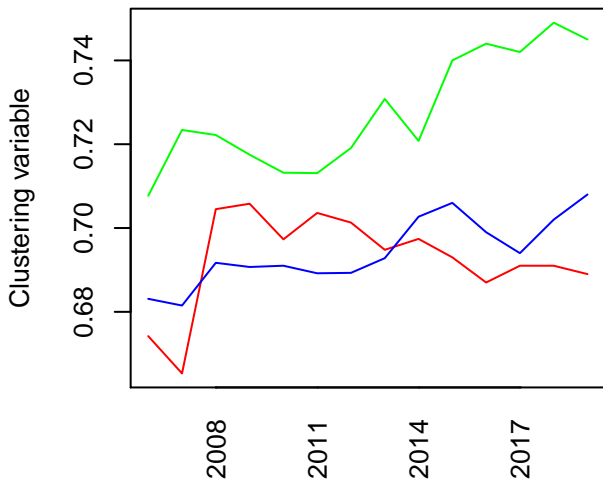
Group 33



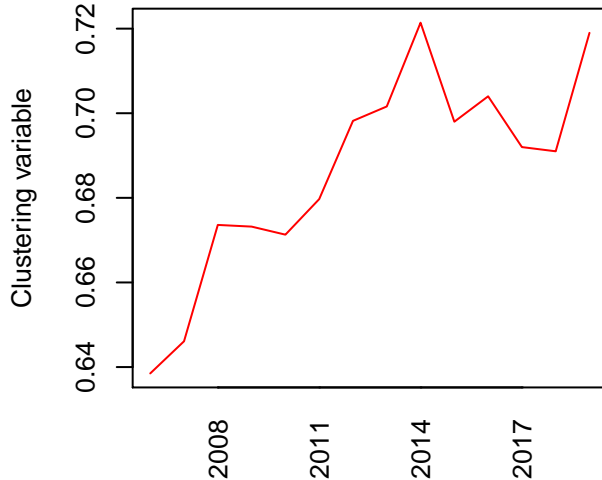
Group 34



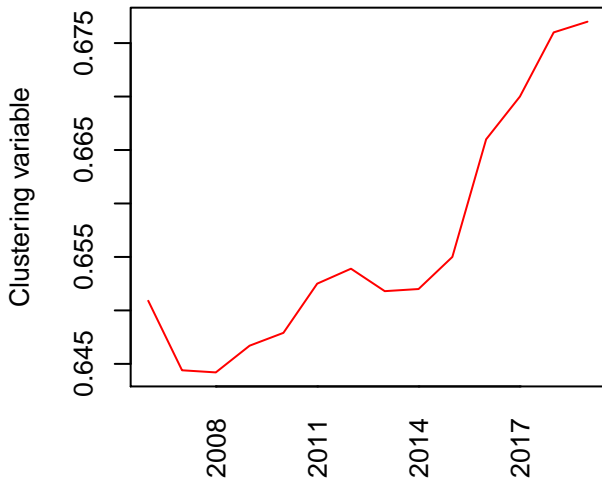
Group 35



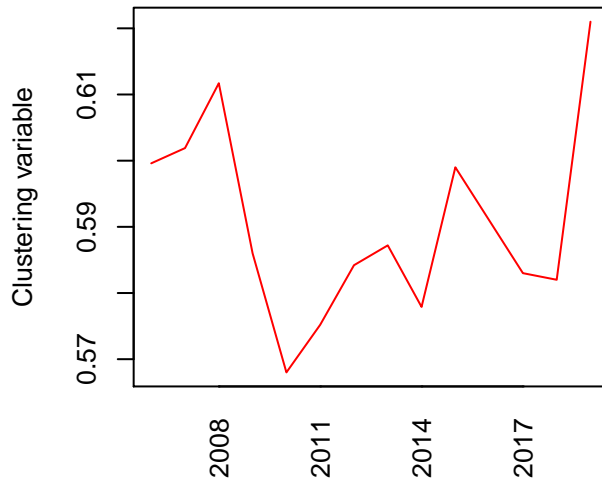
Group 36



Group 37



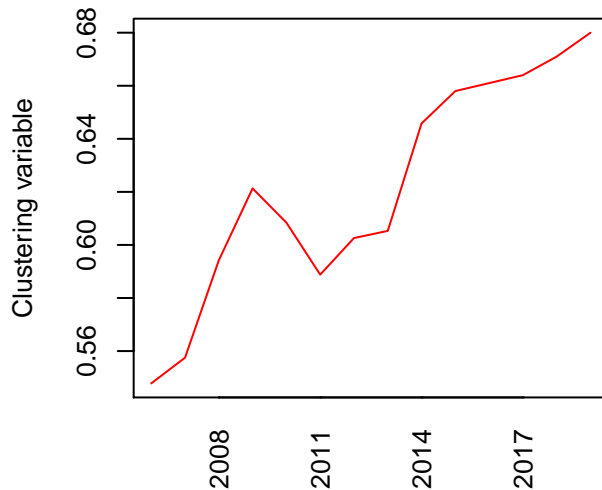
Group 38



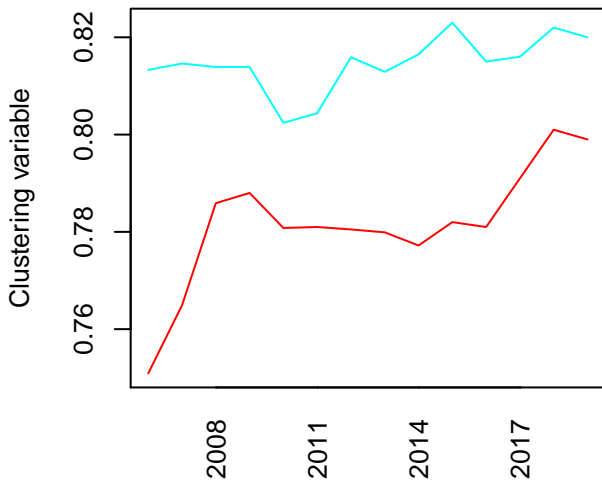
Group 39



Group 40



Group 41



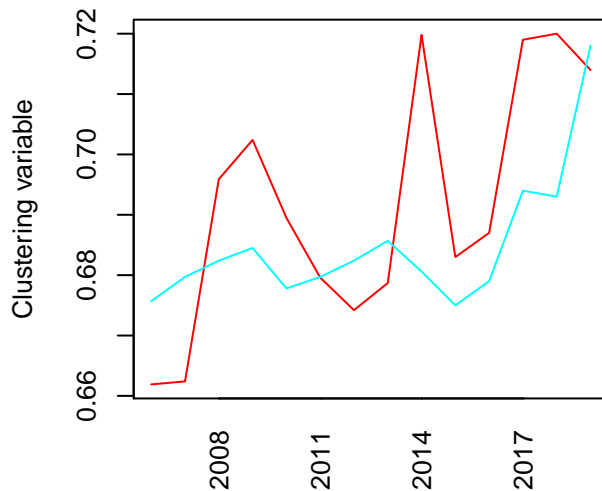
Group 42



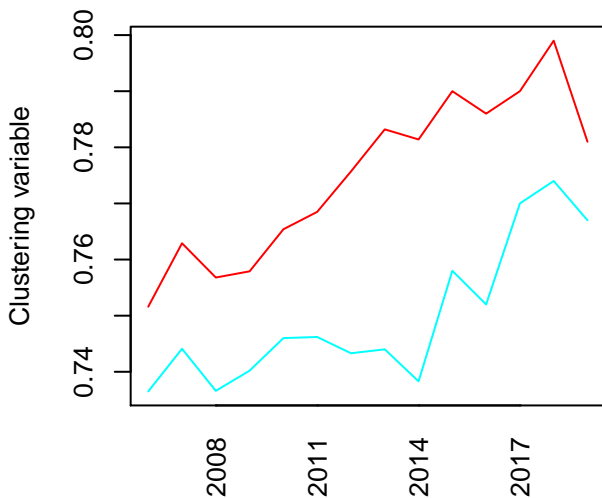
Group 43



Group 44



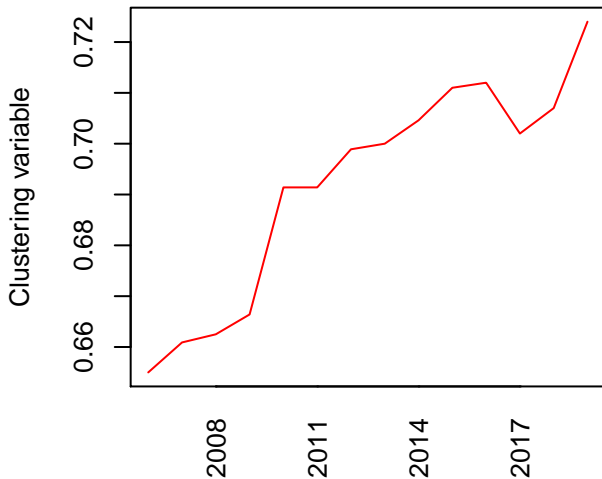
Group 45



Group 46



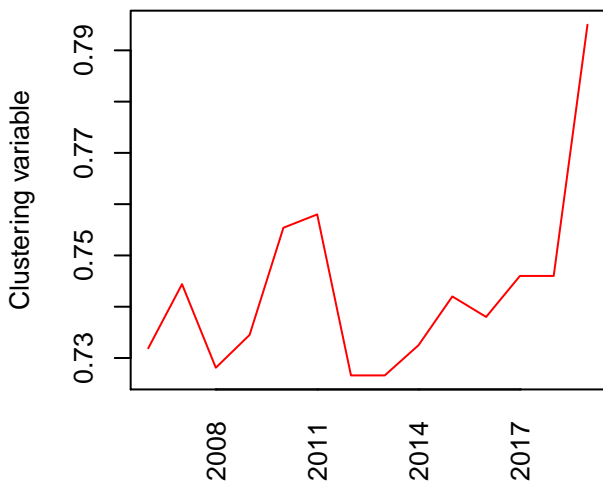
Group 47



Group 48



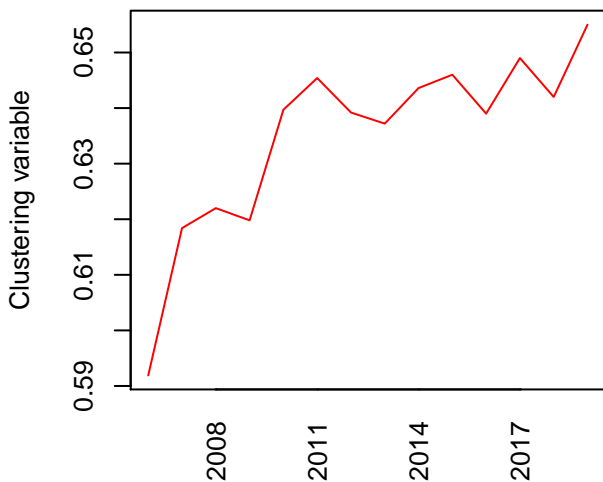
Group 49



Group 50



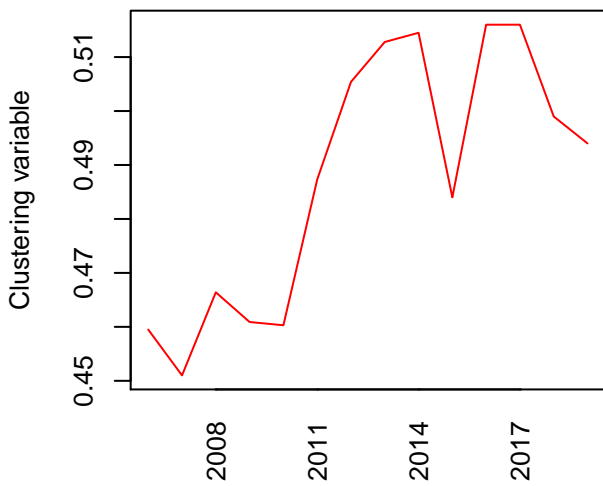
Group 51



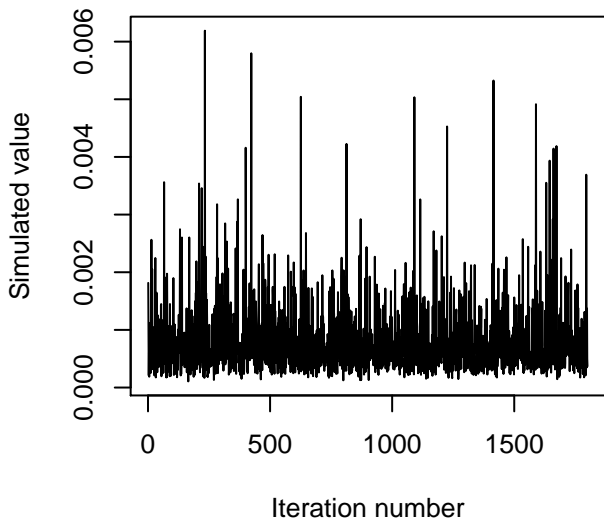
Group 52



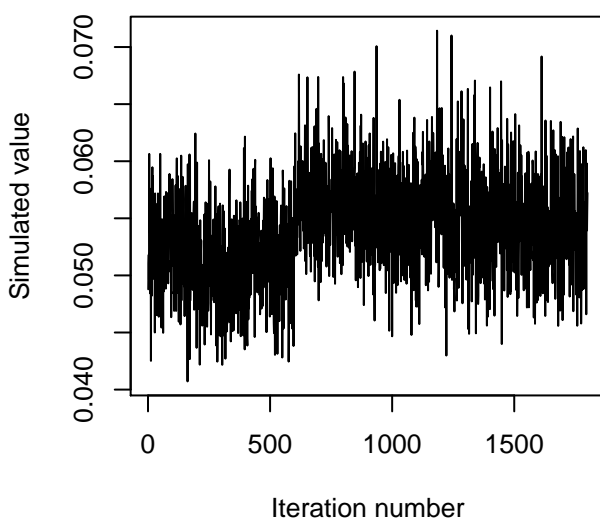
Group 53



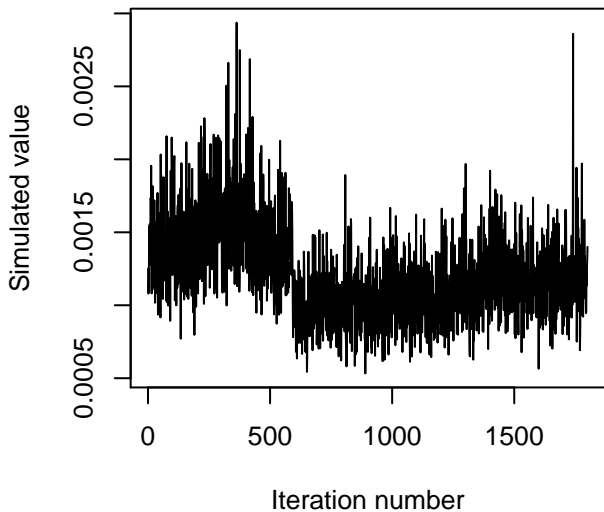
Trace plot of sig2eps



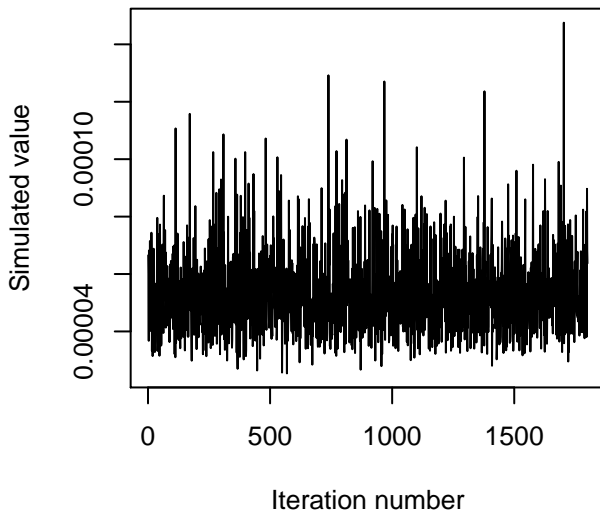
Trace plot of sig2theta



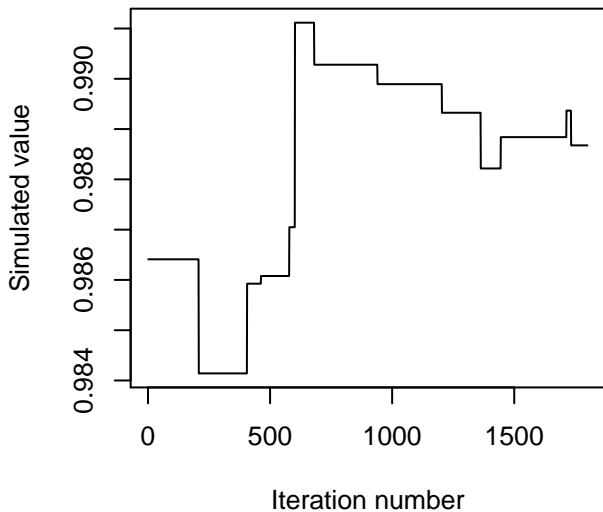
Trace plot of sig2alpha



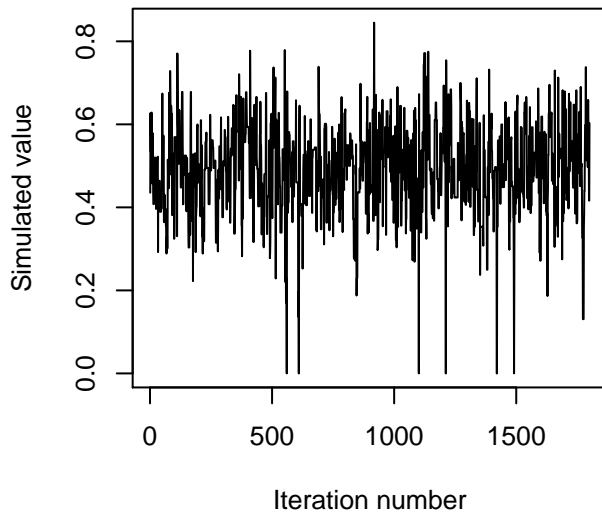
Trace plot of sig2beta



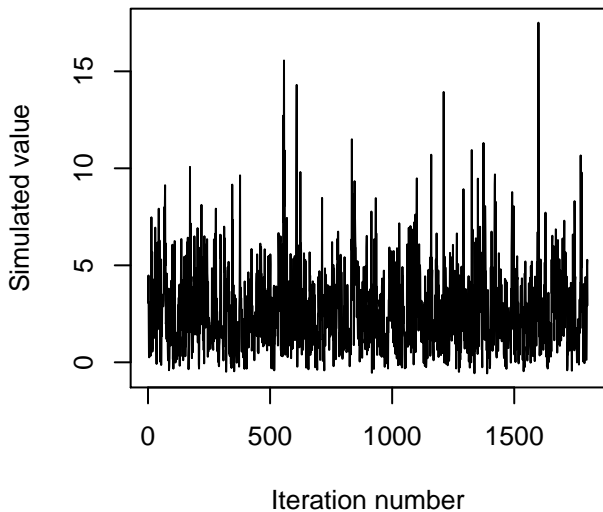
Trace plot of rho



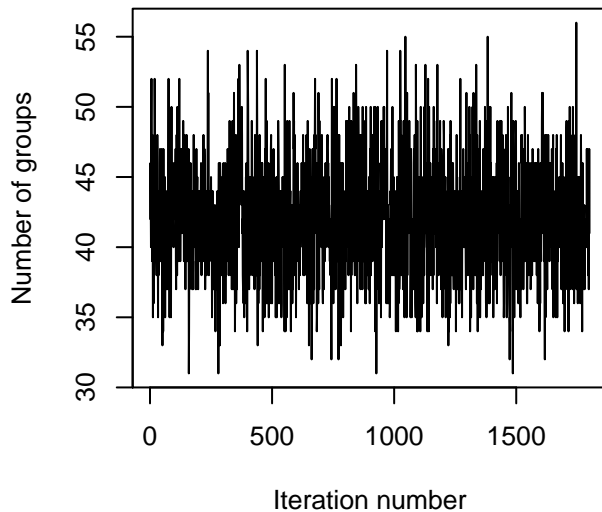
Trace plot of a



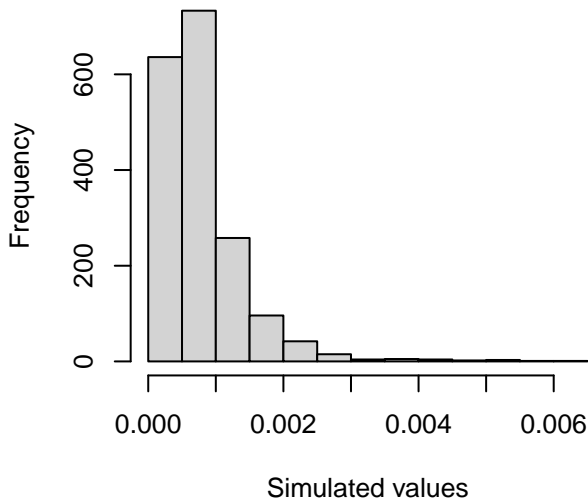
Trace plot of b



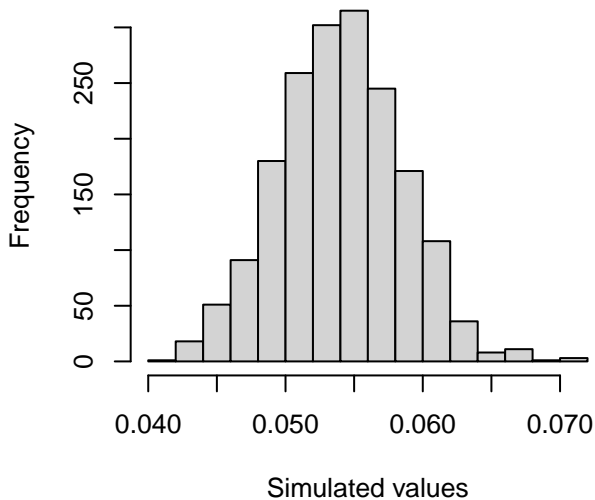
m



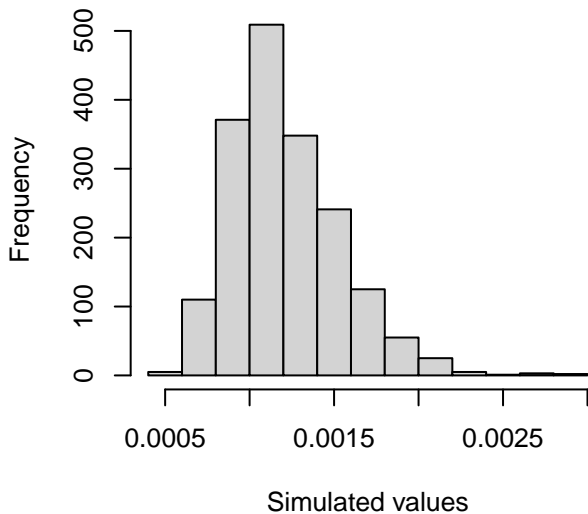
Hist. of sig2eps



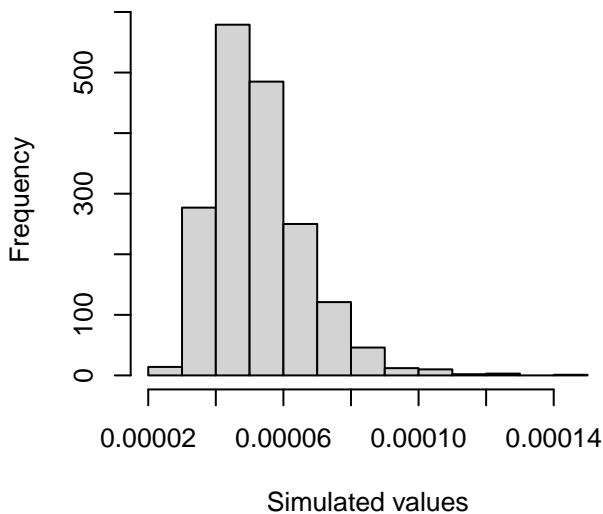
Hist. of sig2the



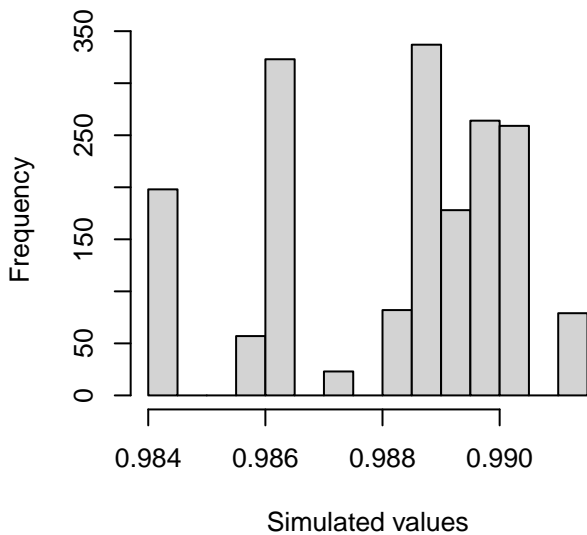
Hist. of sig2alpha



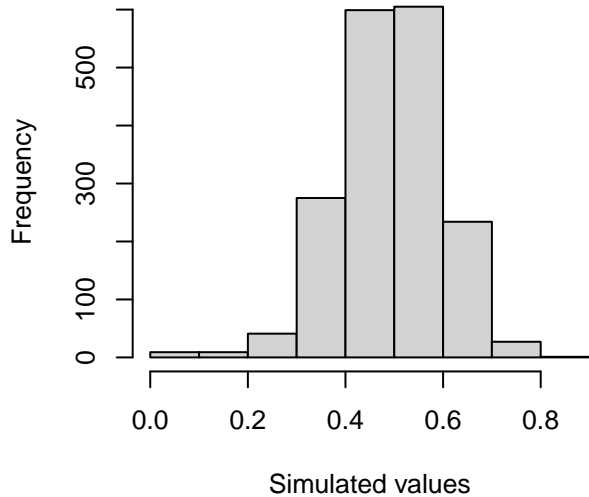
Hist. of sig2beta



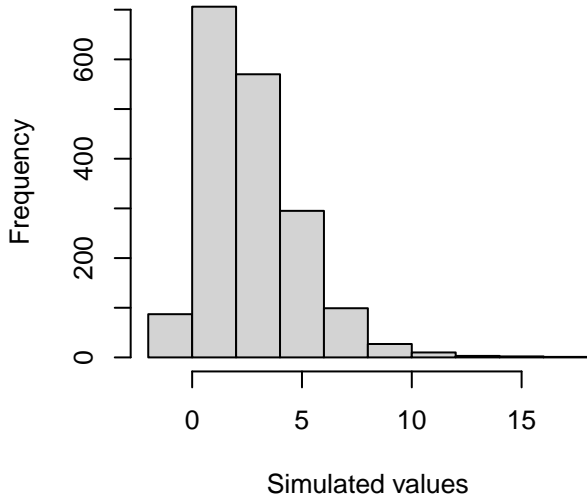
Hist. of rho



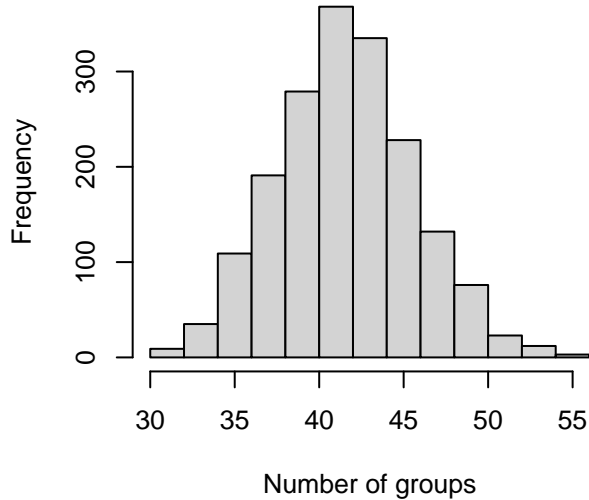
Hist. of a



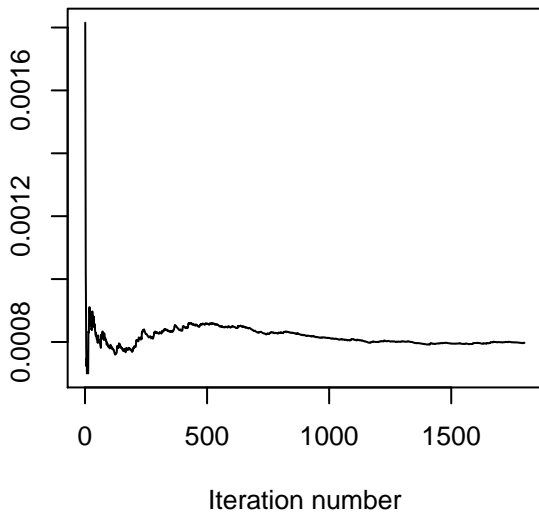
Hist. of b



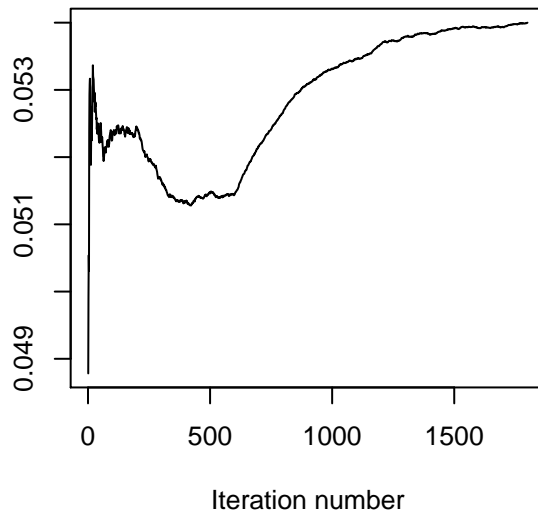
Hist. of m



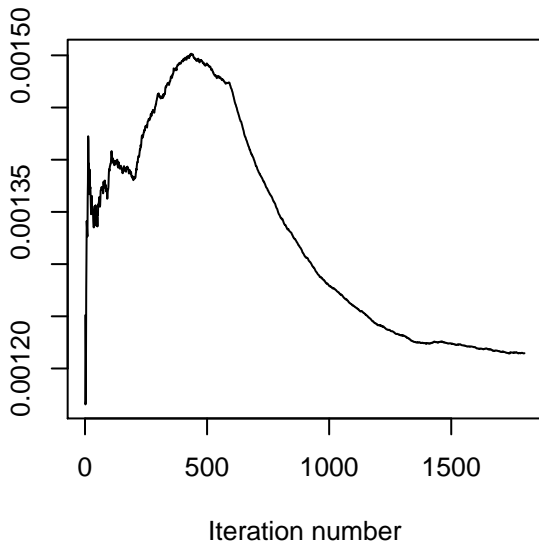
Ergodic mean of sig2eps



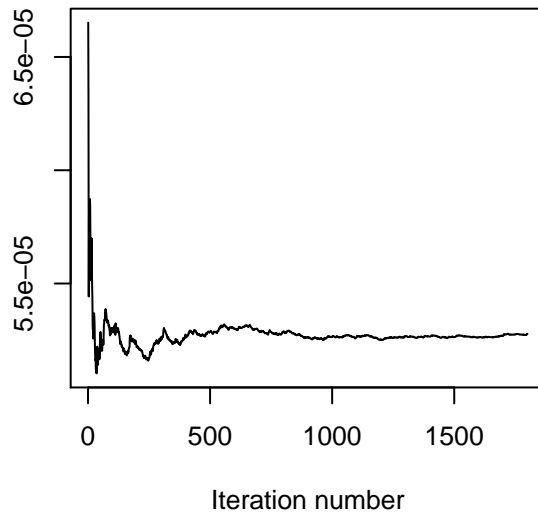
Ergodic mean of sig2the



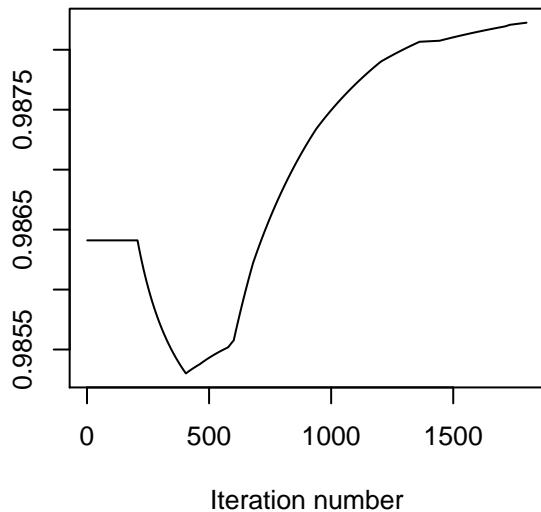
Ergodic mean of sig2alpha



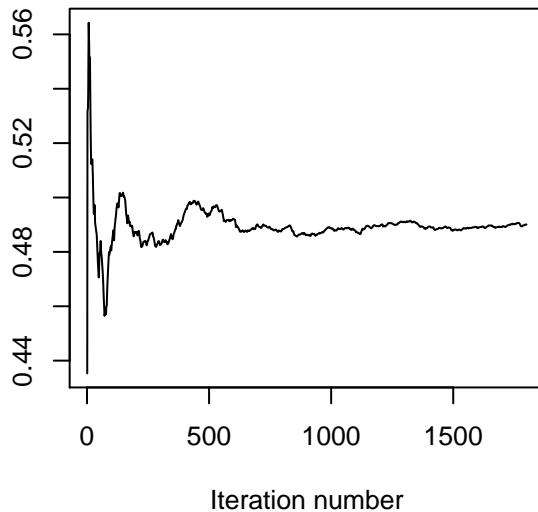
Ergodic mean of sig2beta



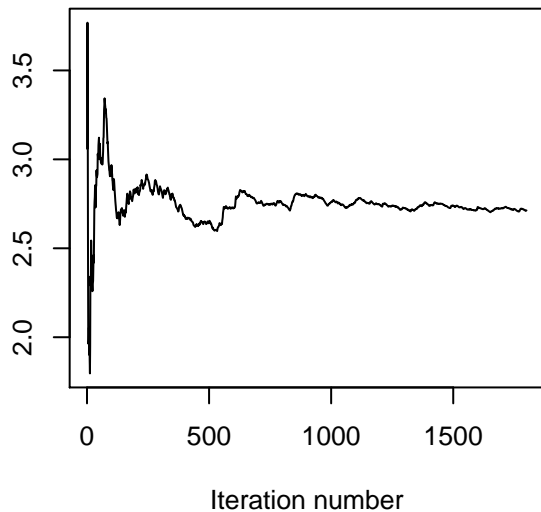
Ergodic mean of rho



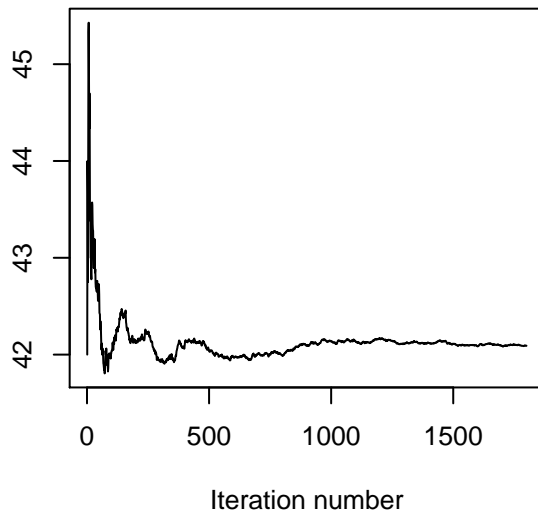
Ergodic mean of a



Ergodic mean of b

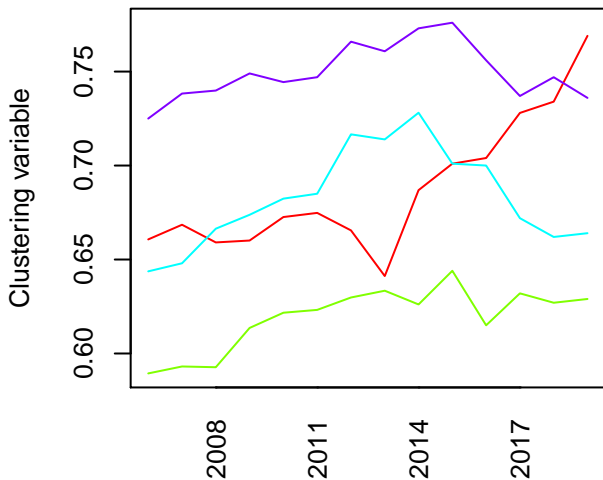


Ergodic mean of m

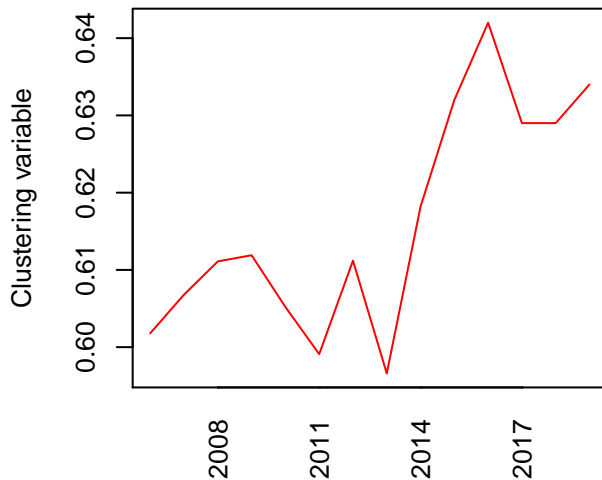


E3-1: trend = F, level = T, Nstable, c = 0.001

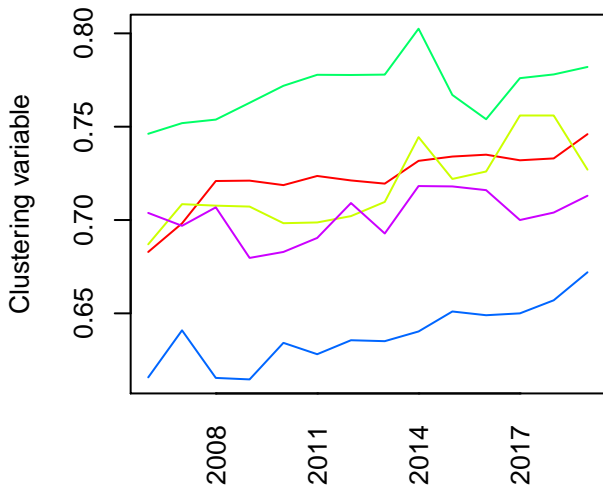
Group 1



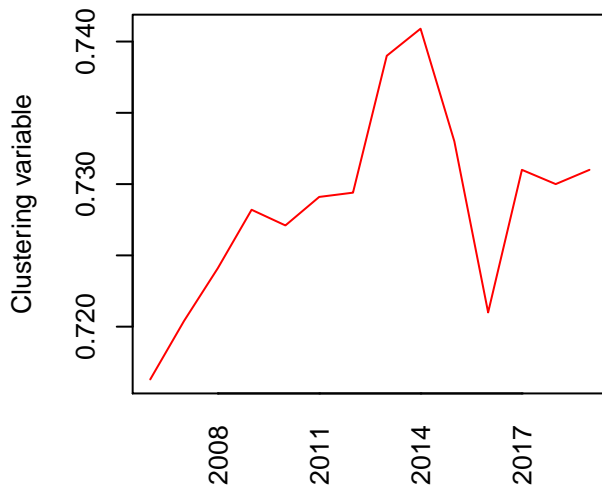
Group 2



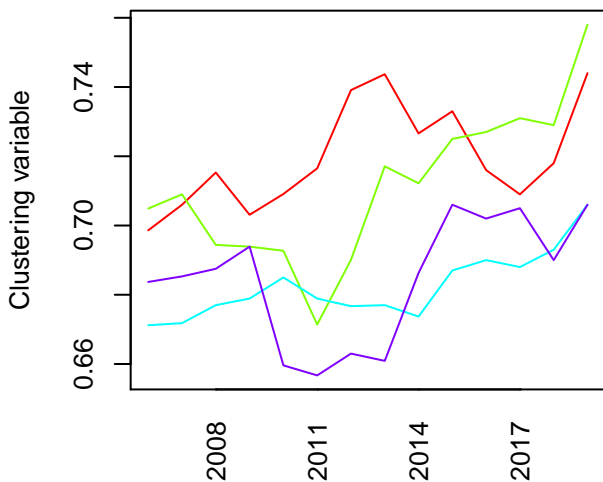
Group 3



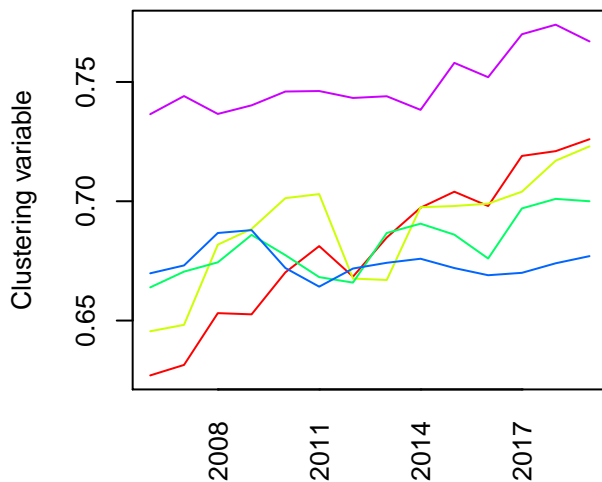
Group 4



Group 5



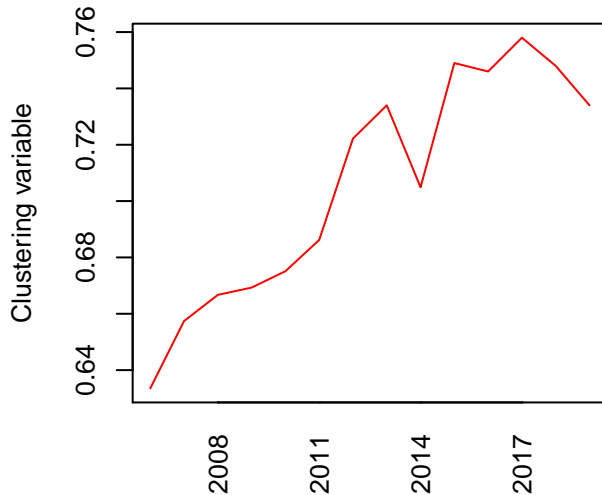
Group 6



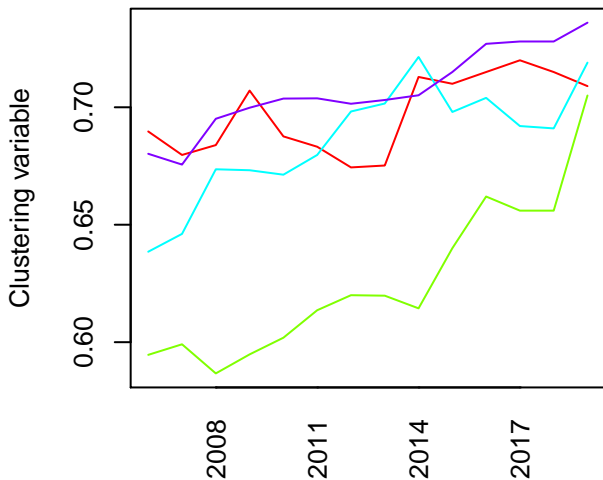
Group 7



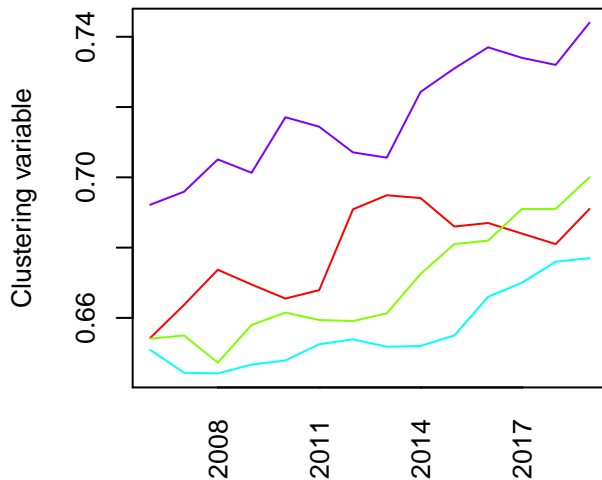
Group 8



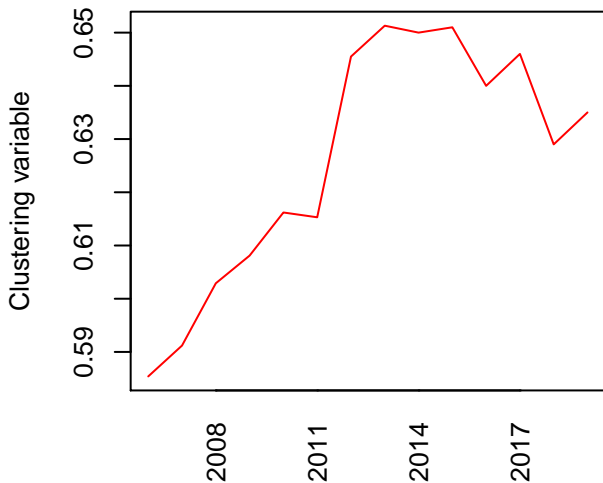
Group 9



Group 10



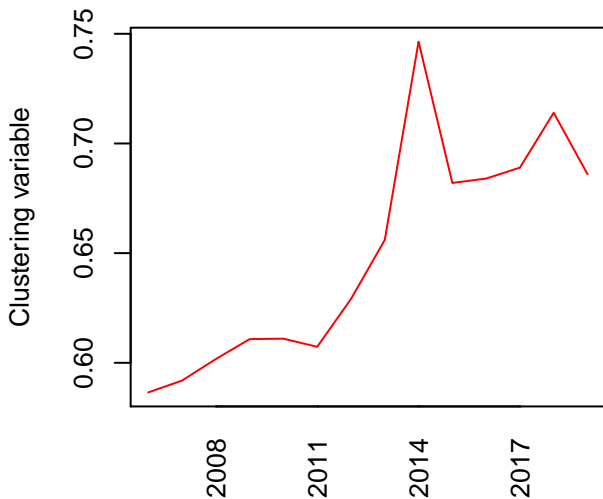
Group 11



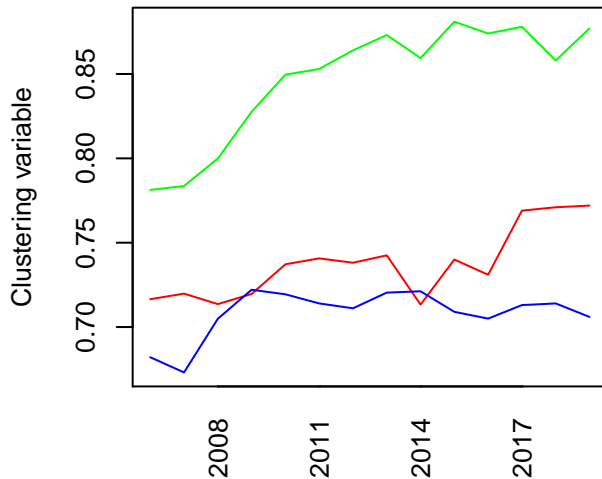
Group 12



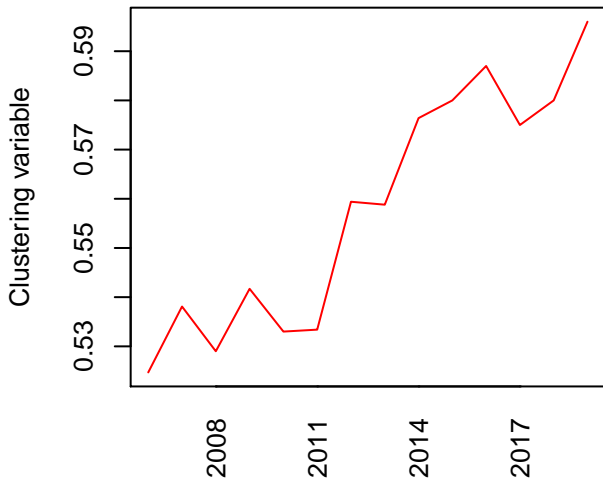
Group 13



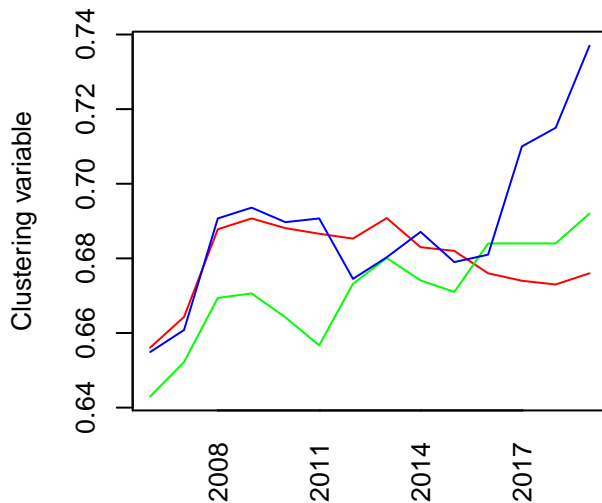
Group 14



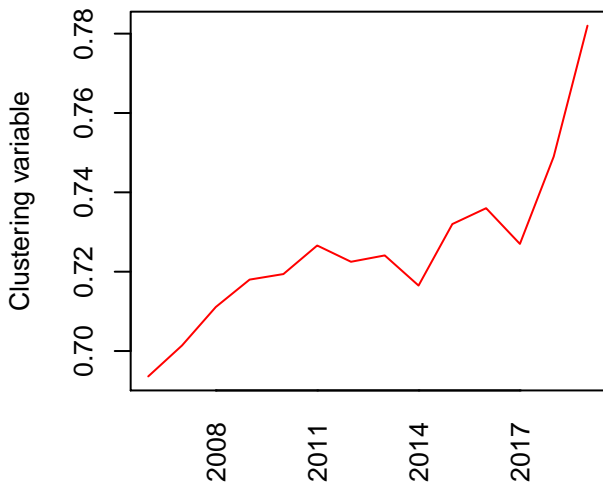
Group 15



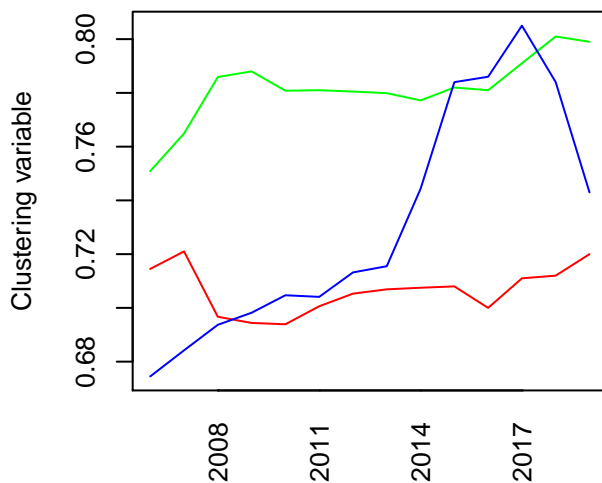
Group 16



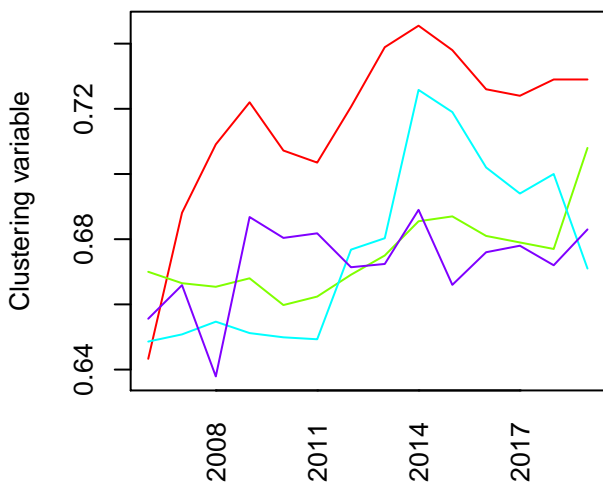
Group 17



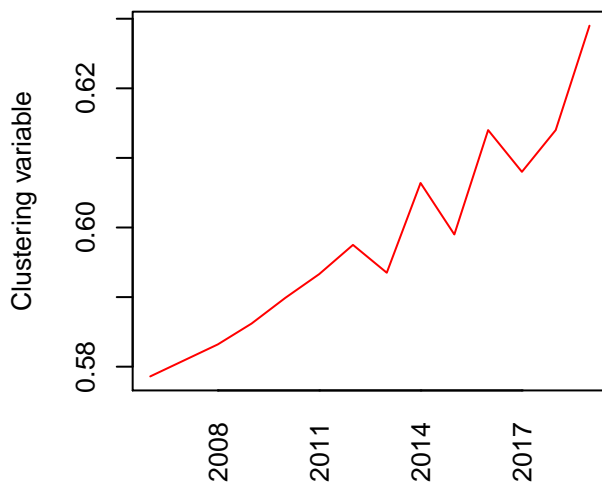
Group 18



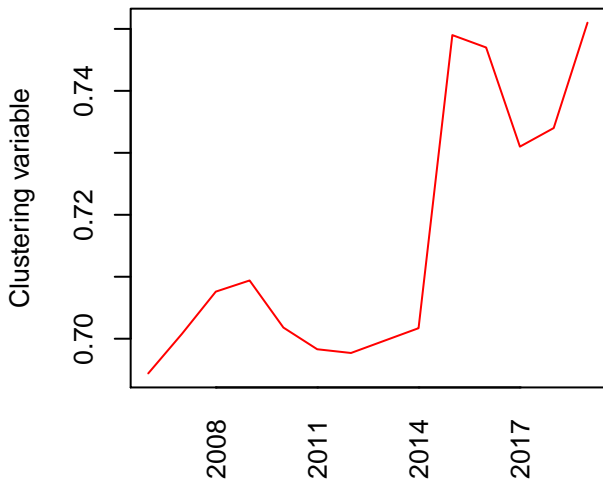
Group 19



Group 20



Group 21



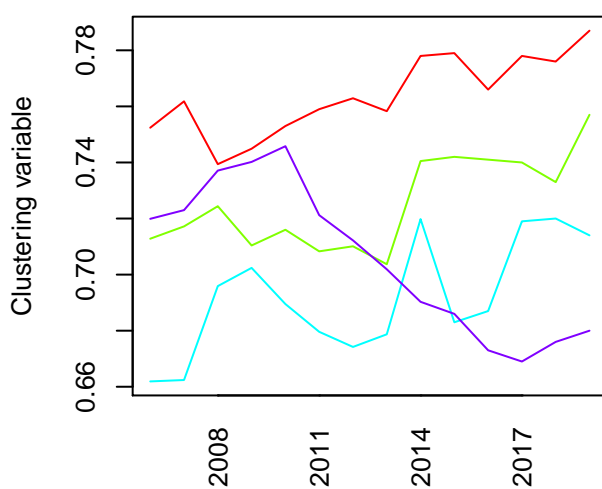
Group 22



Group 23



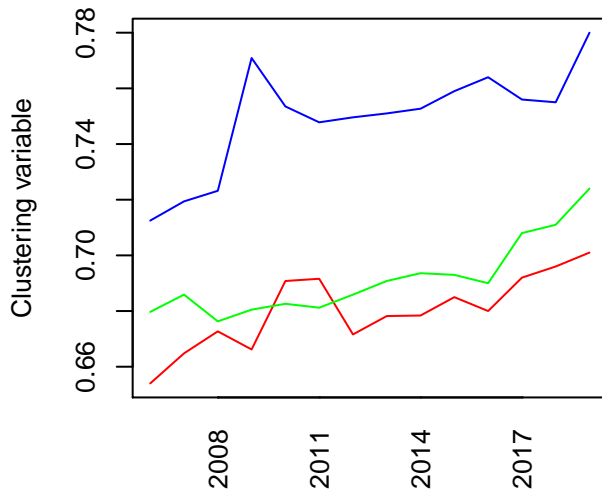
Group 24



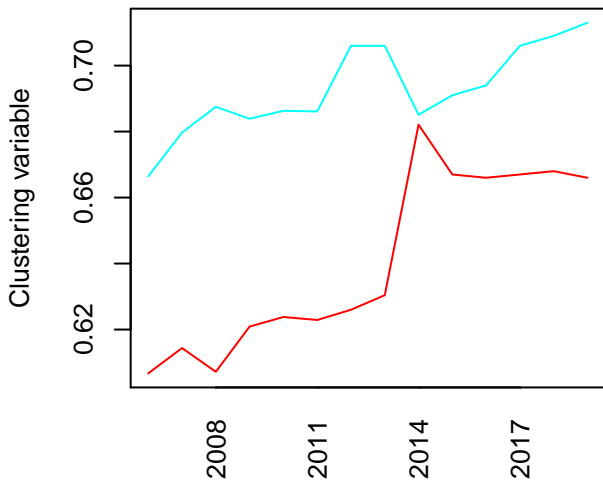
Group 25



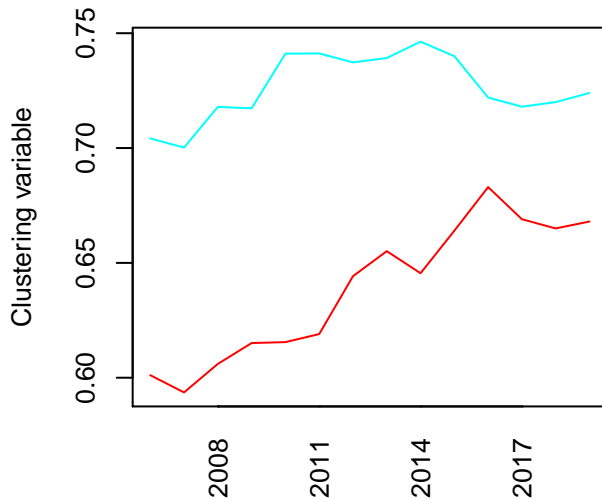
Group 26



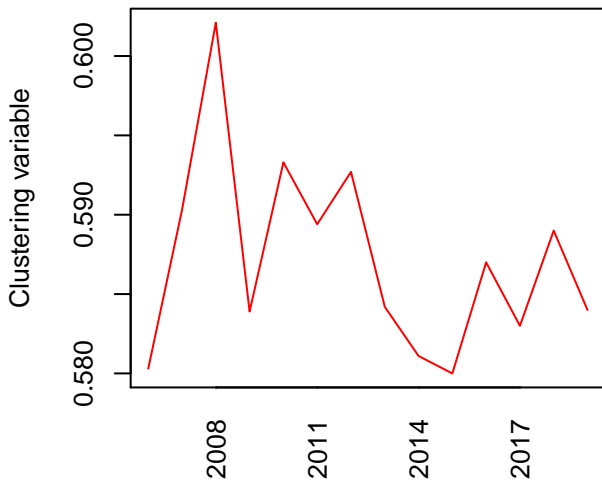
Group 27



Group 28



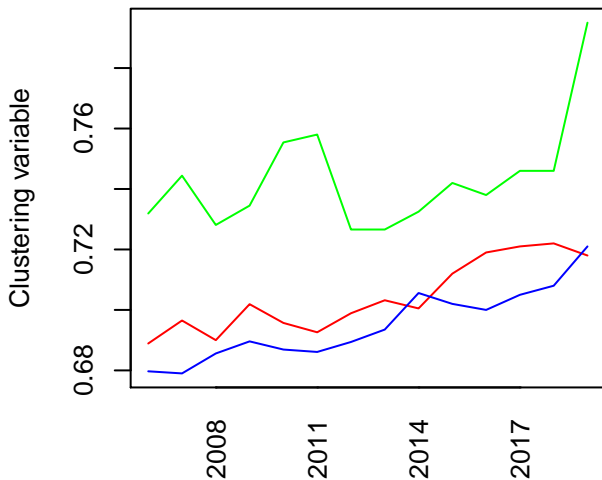
Group 29



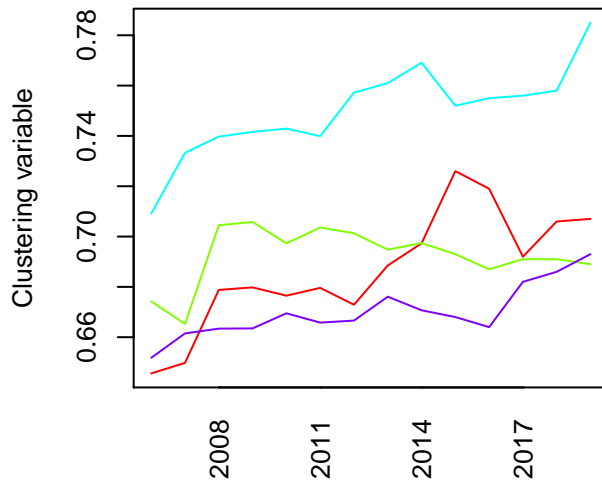
Group 30



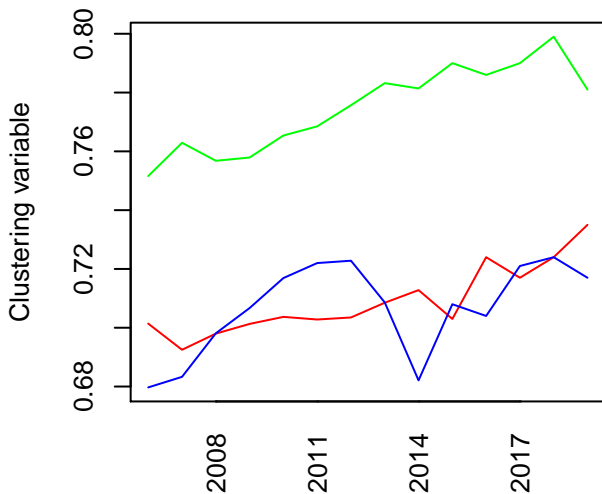
Group 31



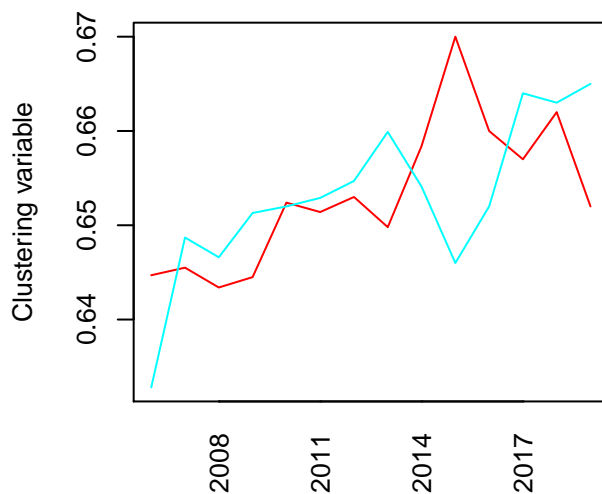
Group 32



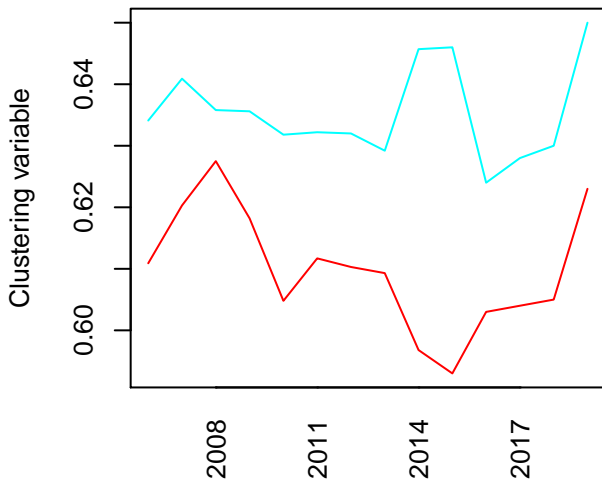
Group 33



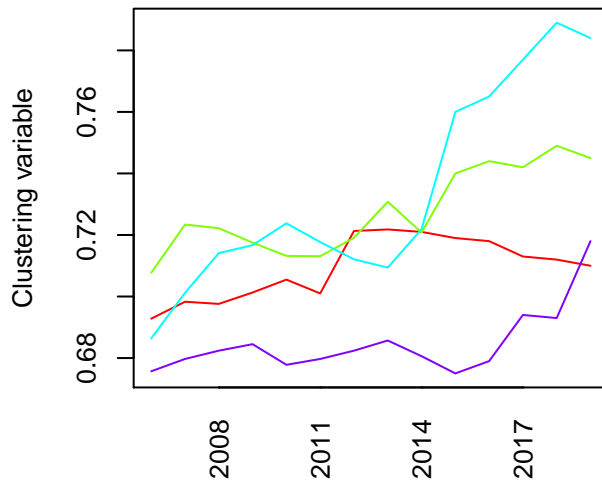
Group 34



Group 35



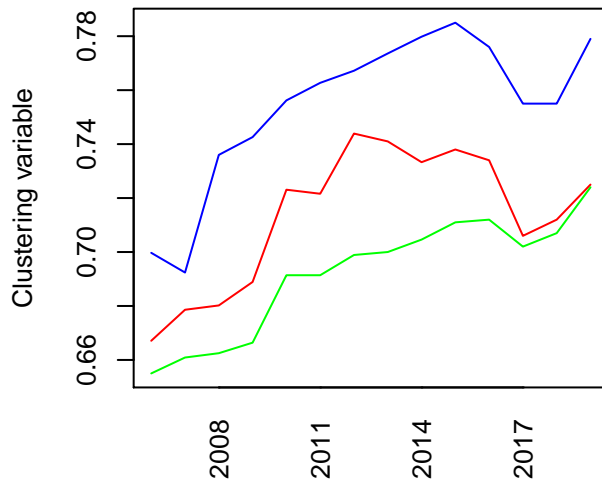
Group 36



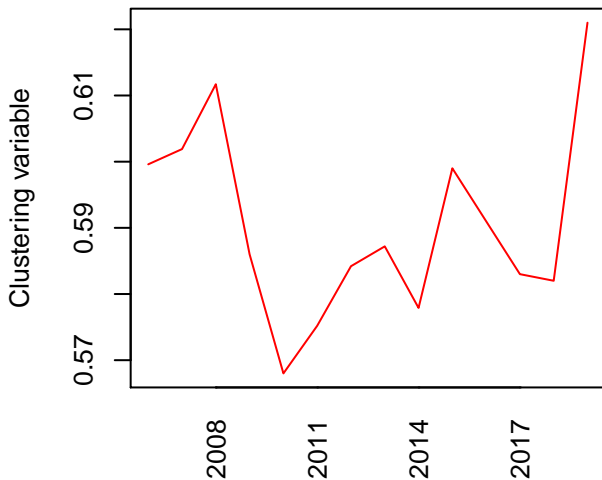
Group 37



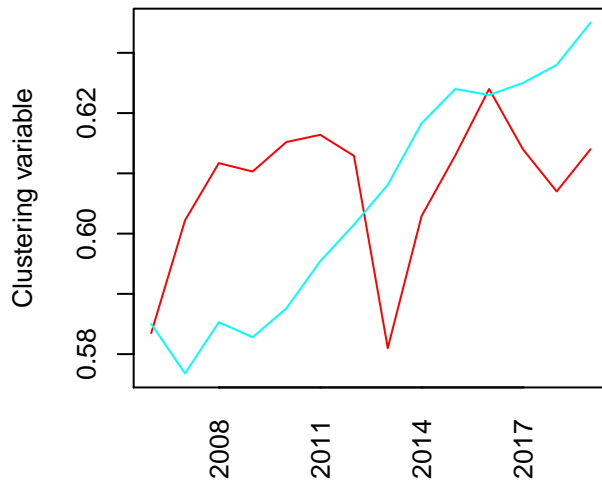
Group 38



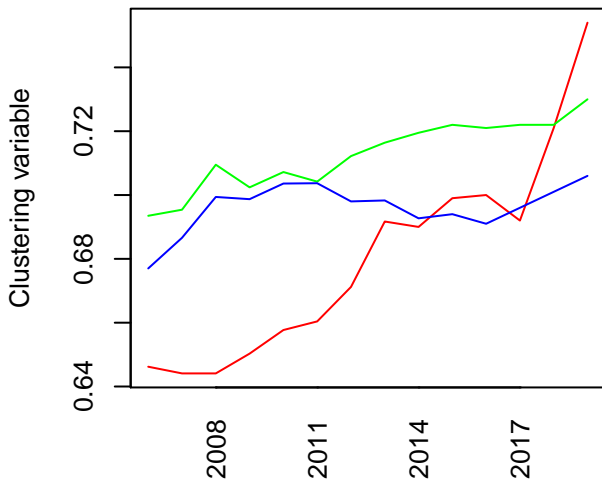
Group 39



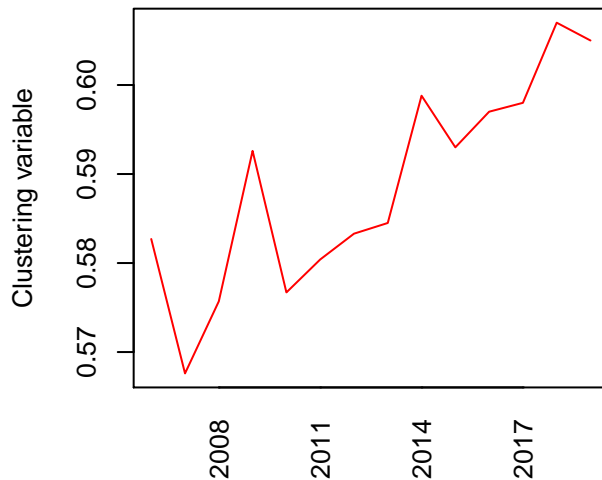
Group 40



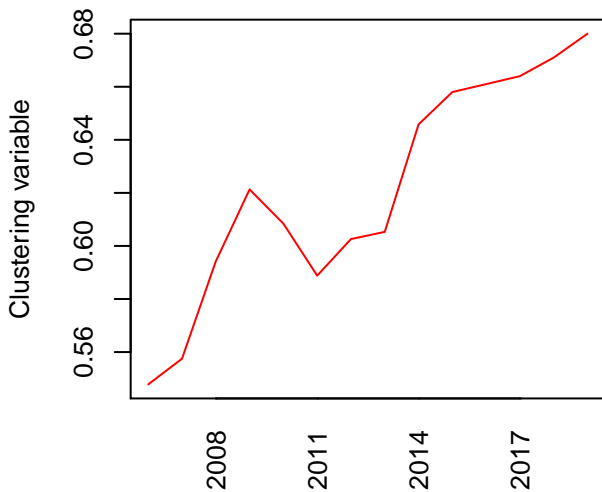
Group 41



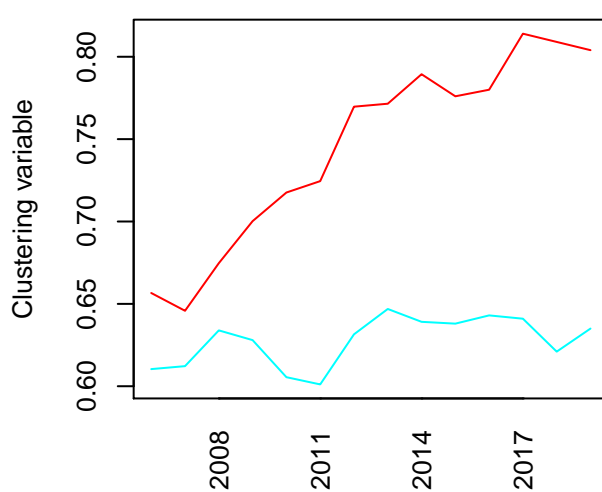
Group 42



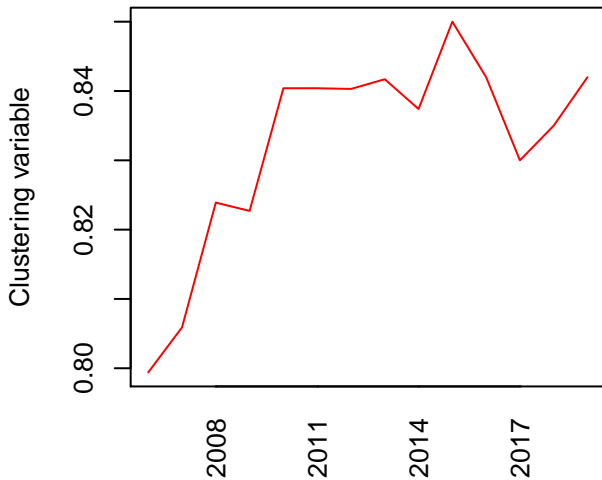
Group 43



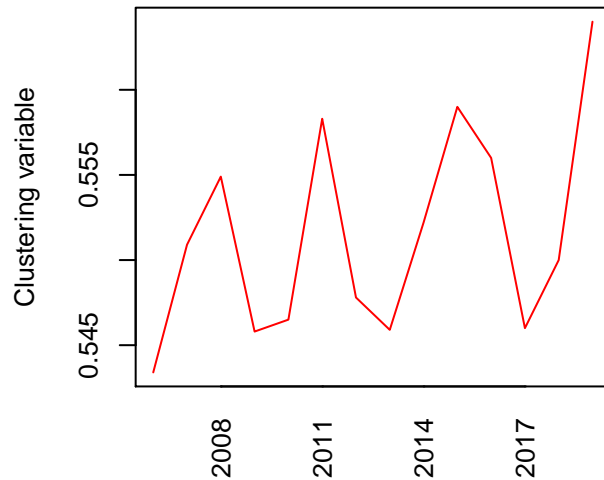
Group 44



Group 45



Group 46



Group 47



Group 48



Group 49



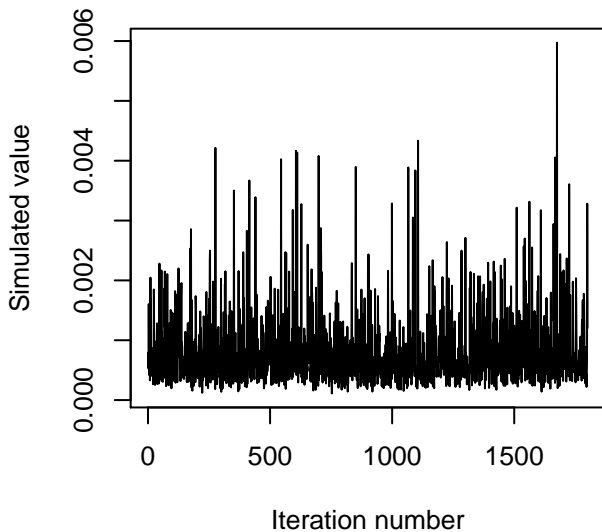
Group 50



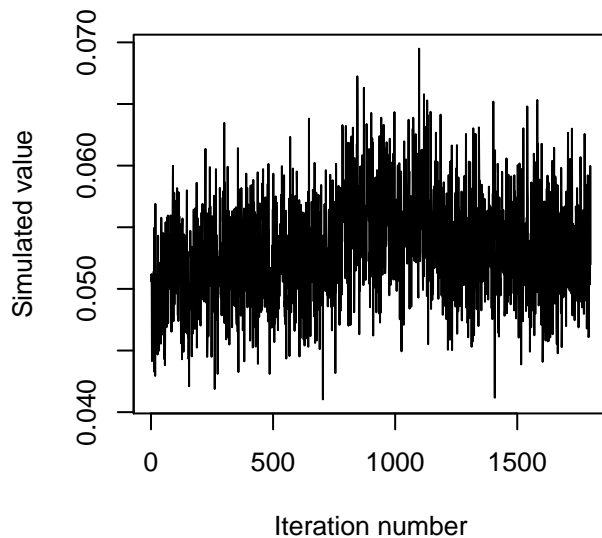
Group 51



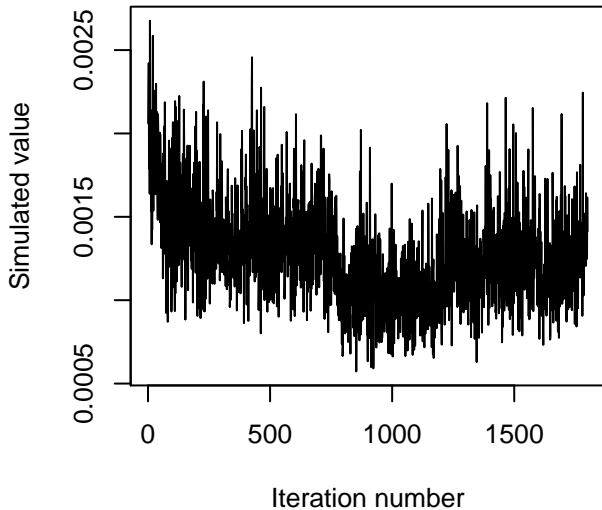
Trace plot of sig2eps



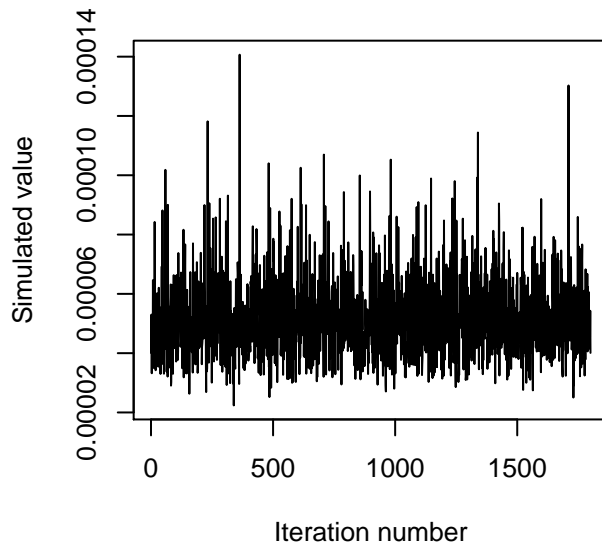
Trace plot of sig2theta



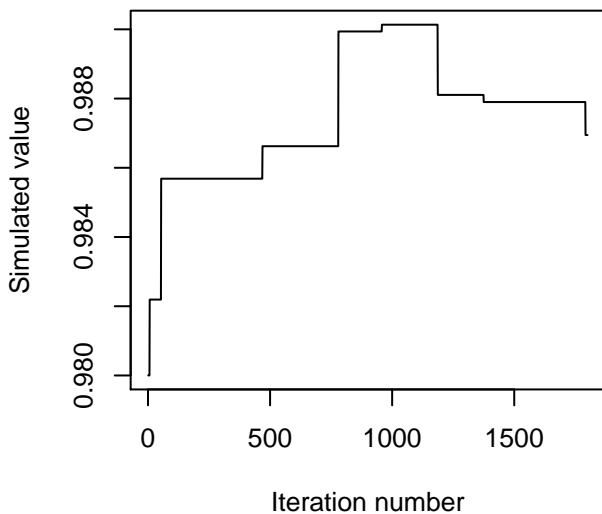
Trace plot of sig2alpha



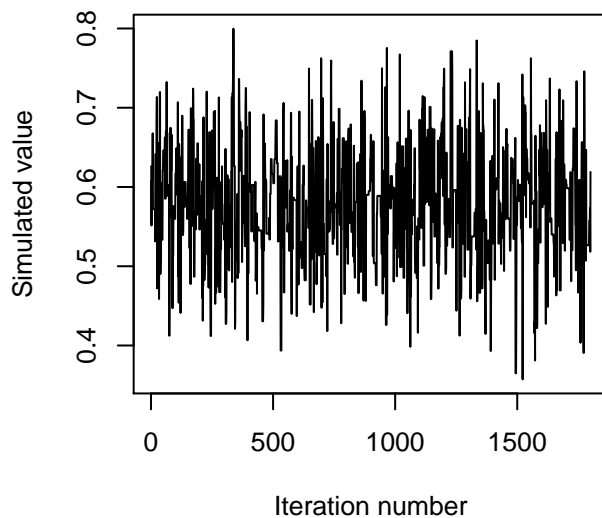
Trace plot of sig2beta



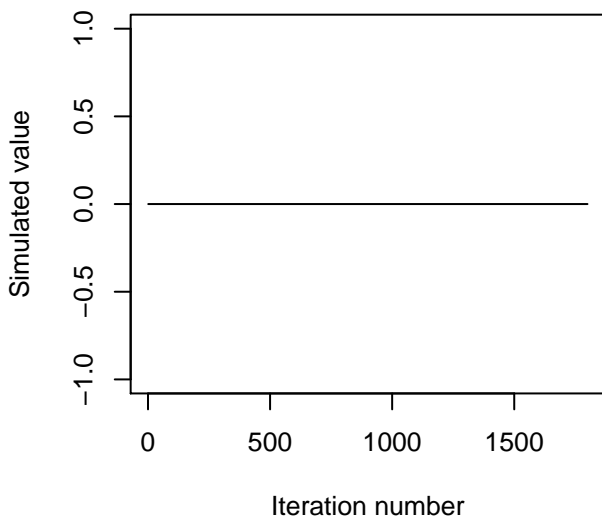
Trace plot of rho



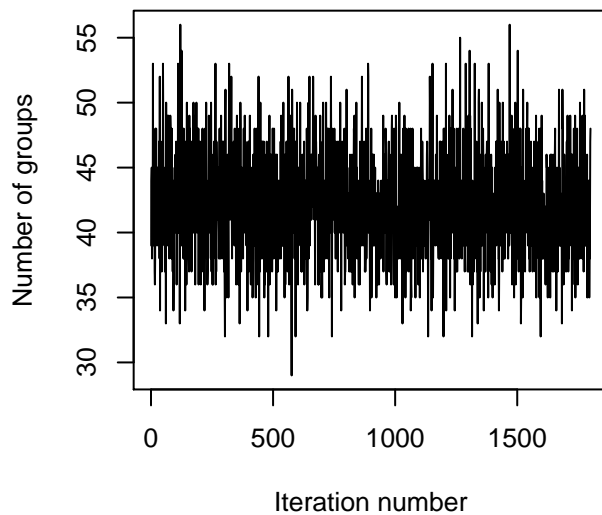
Trace plot of a



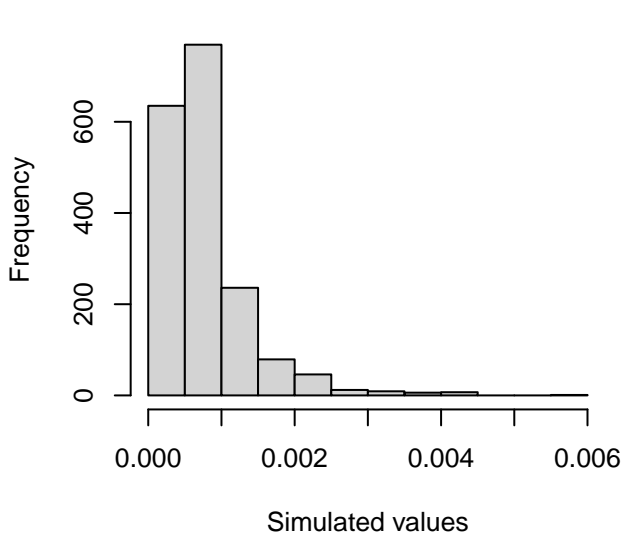
Trace plot of b



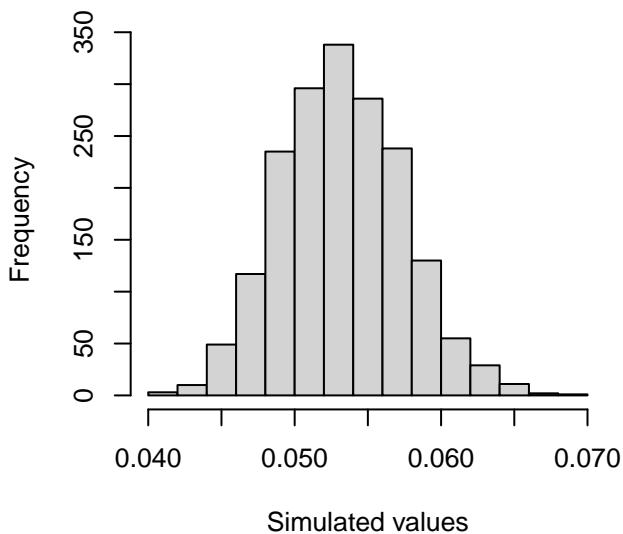
m



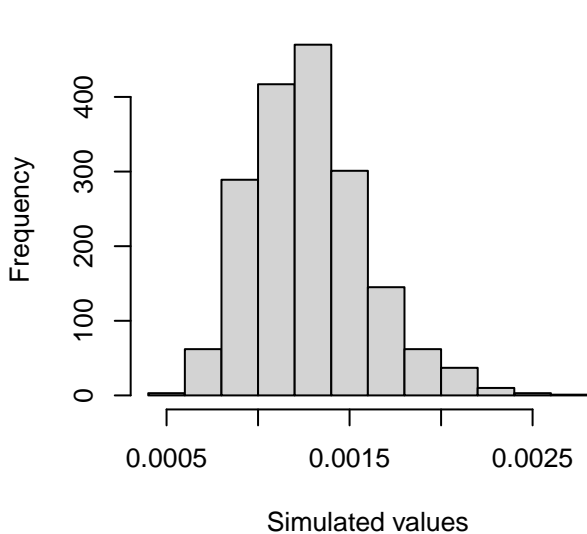
Hist. of sig2eps



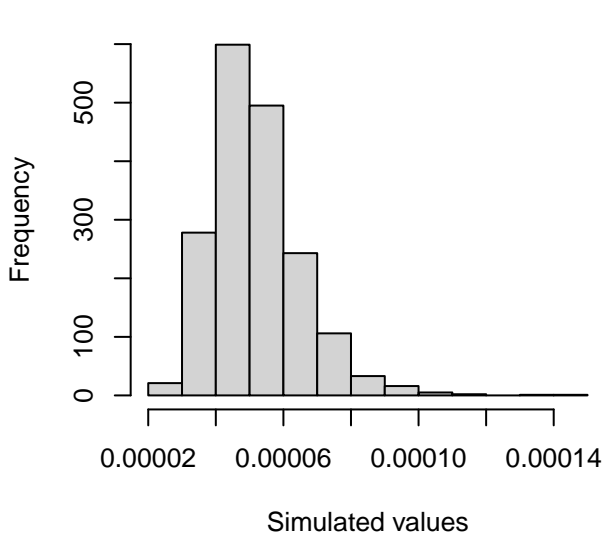
Hist. of sig2the



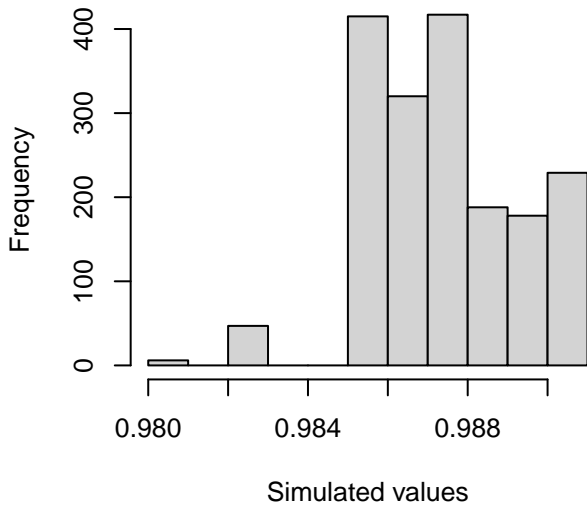
Hist. of sig2alpha



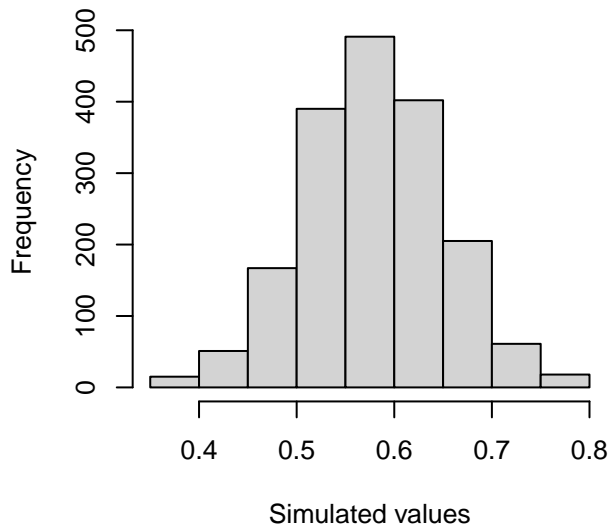
Hist. of sig2beta



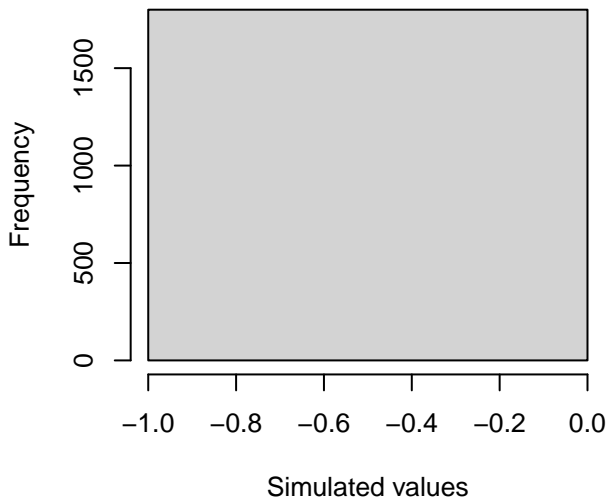
Hist. of rho



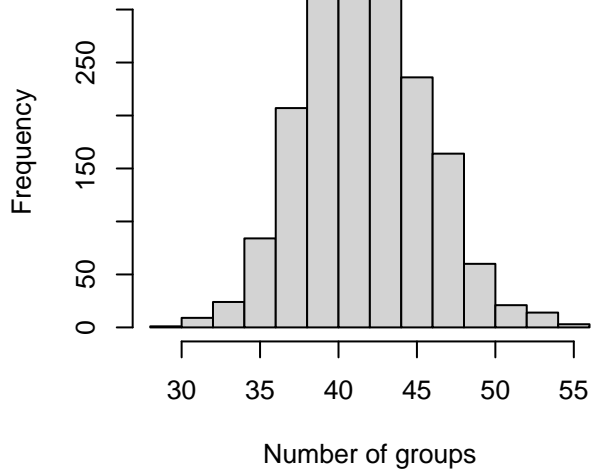
Hist. of a



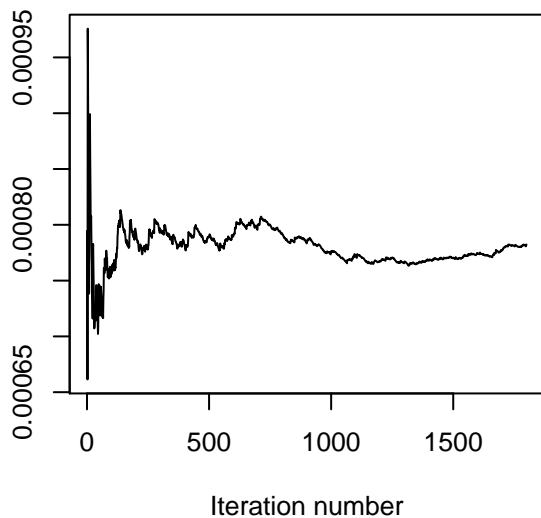
Hist. of b



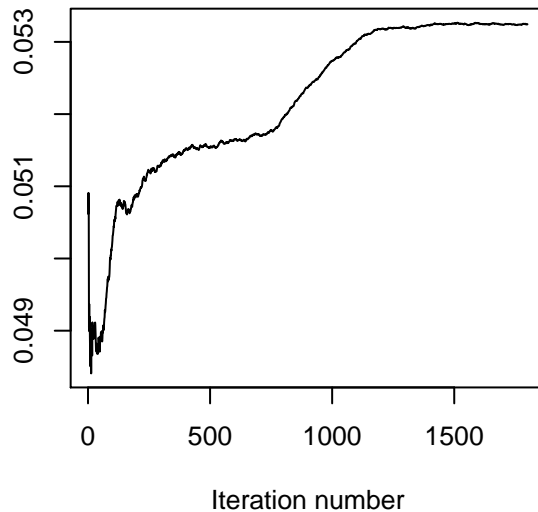
Hist. of m



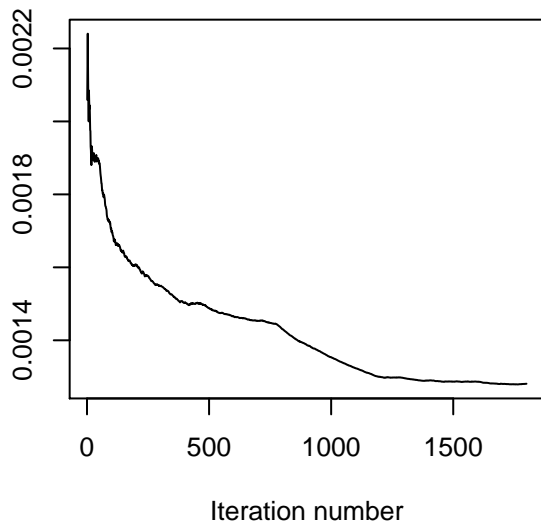
Ergodic mean of sig2eps



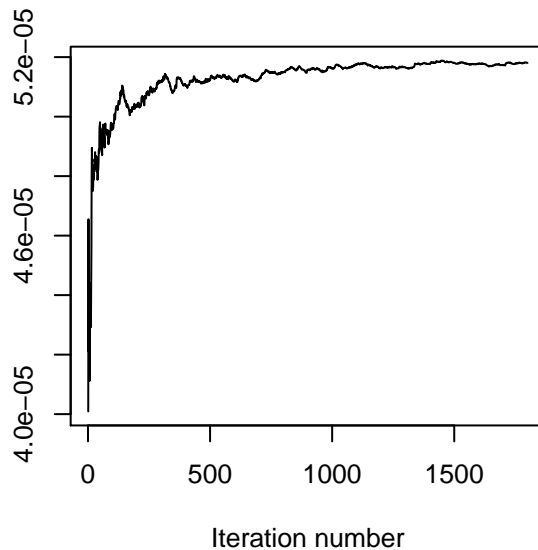
Ergodic mean of sig2the



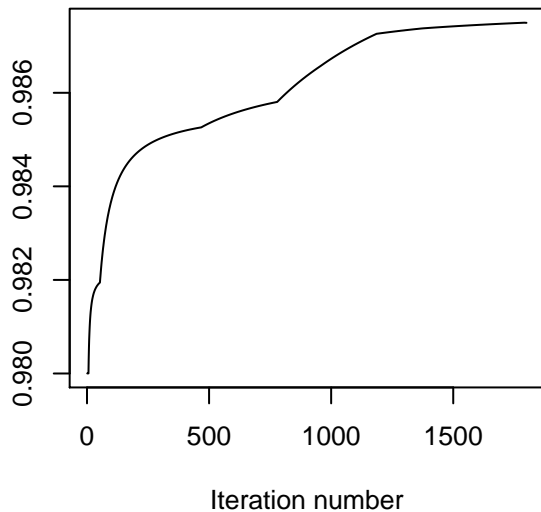
Ergodic mean of sig2alpha



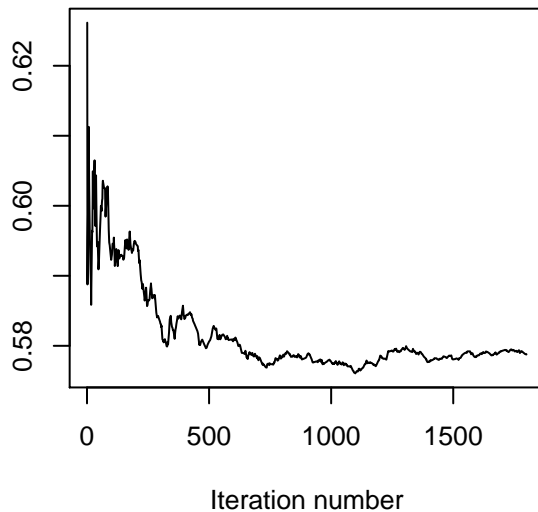
Ergodic mean of sig2beta



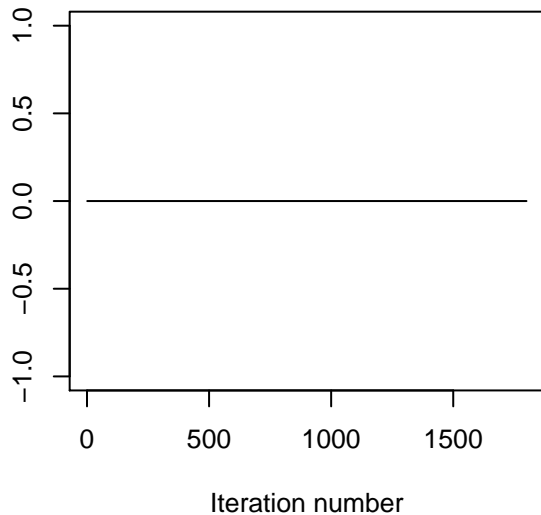
Ergodic mean of rho



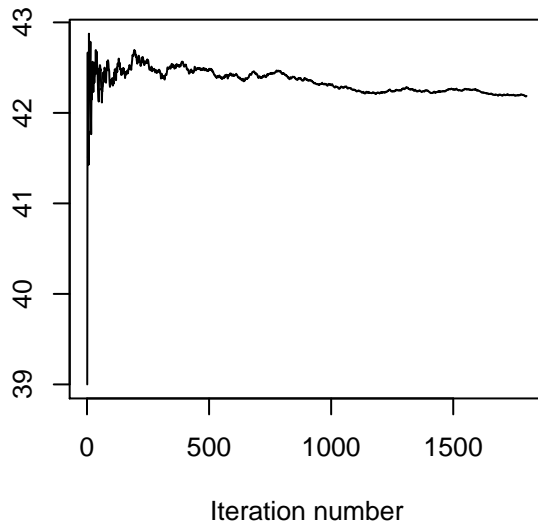
Ergodic mean of a



Ergodic mean of b

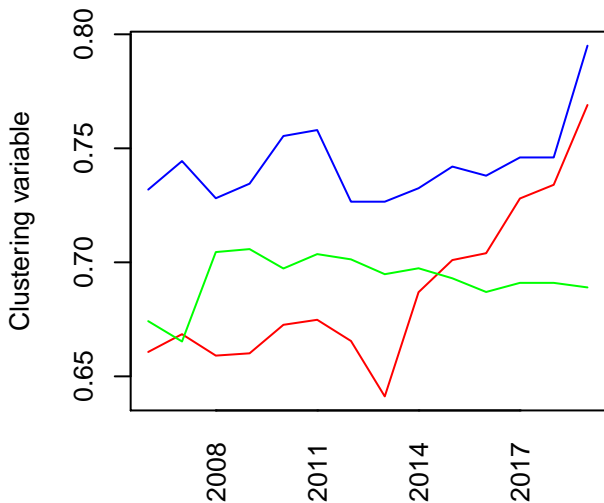


Ergodic mean of m

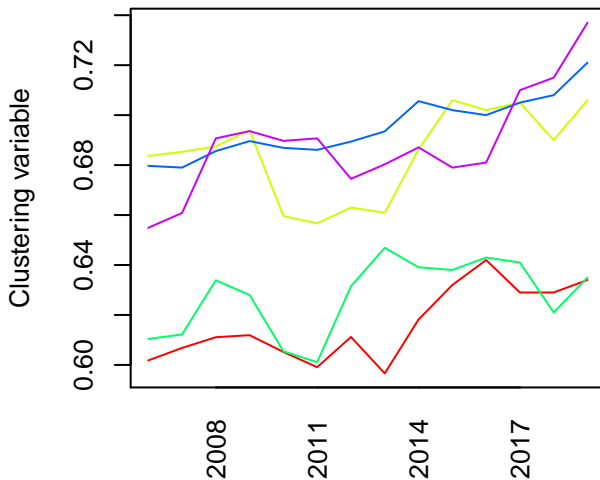


E1-2: trend = F, level = T, Dirichlet, $c = 0.01$

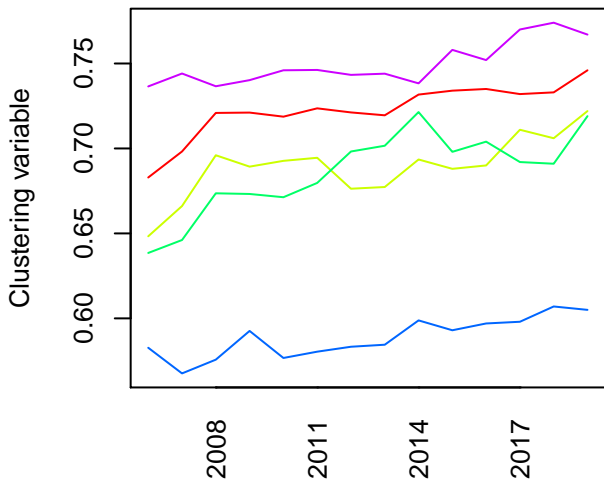
Group 1



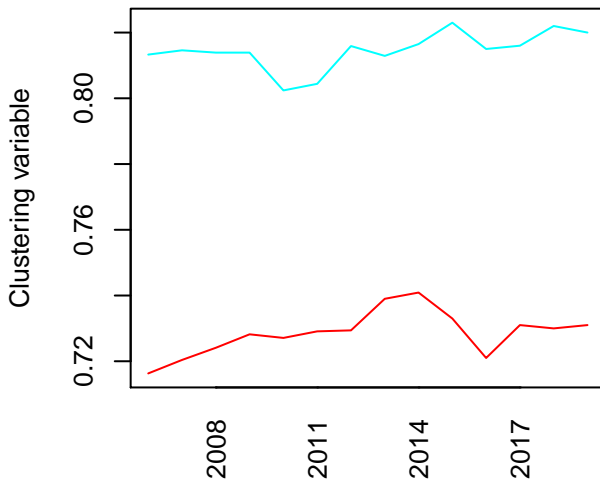
Group 2



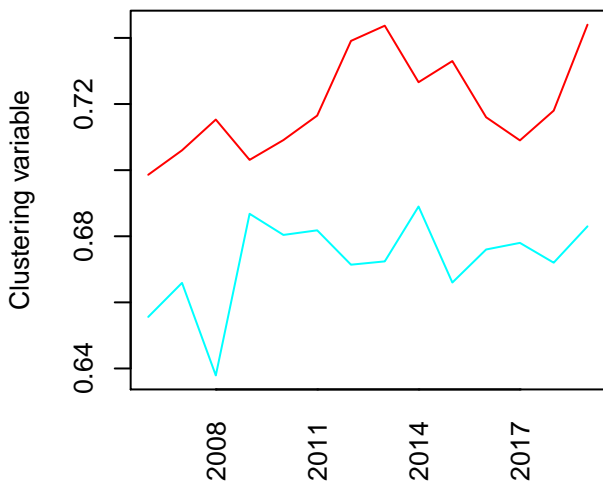
Group 3



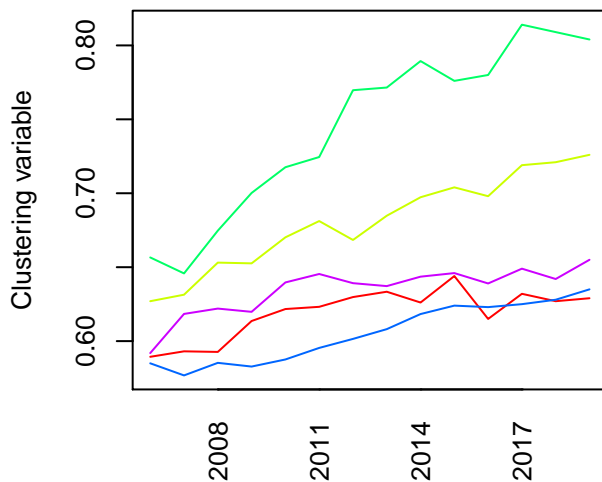
Group 4



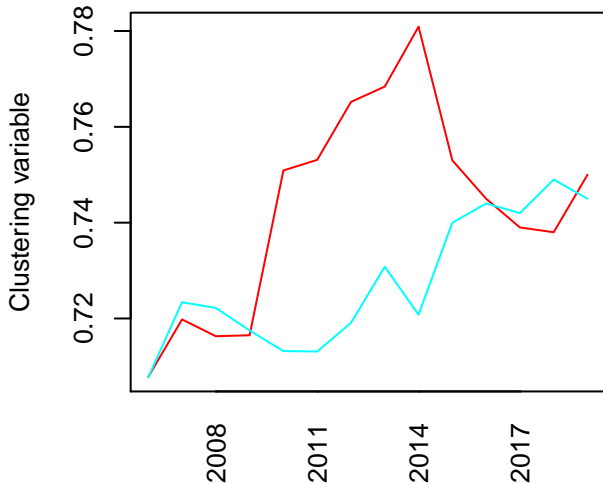
Group 5



Group 6



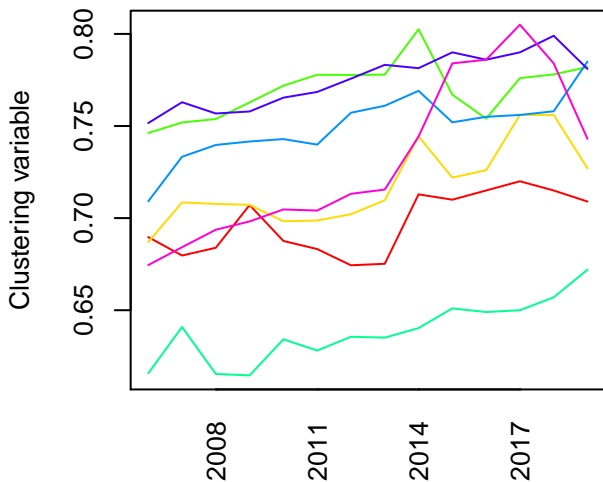
Group 7



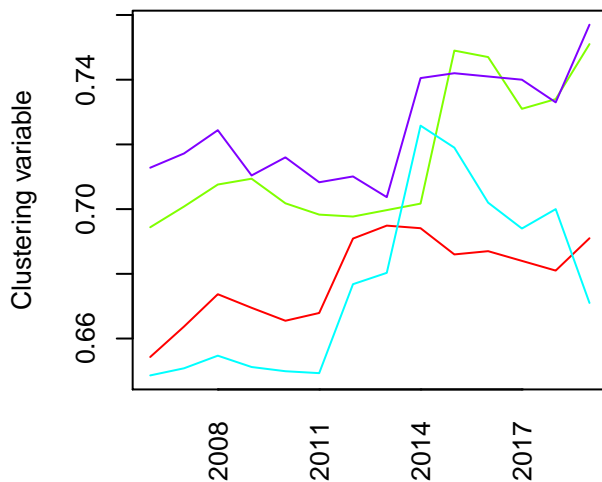
Group 8



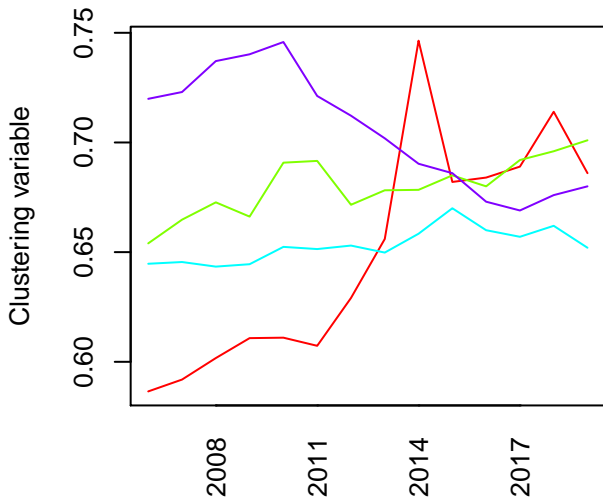
Group 9



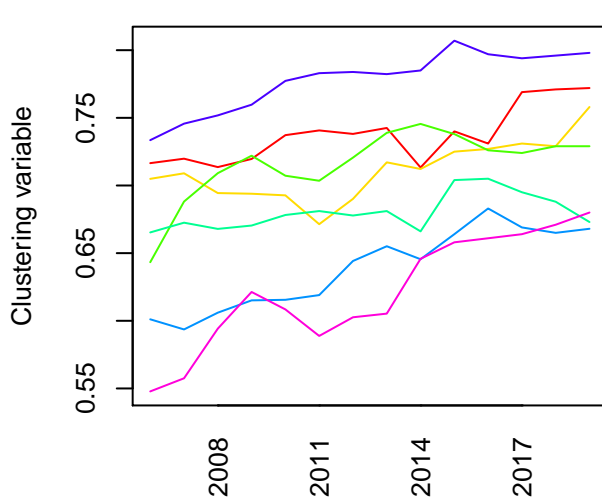
Group 10



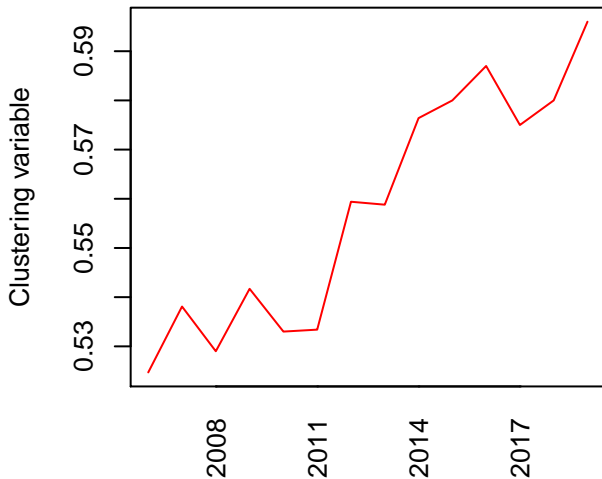
Group 11



Group 12



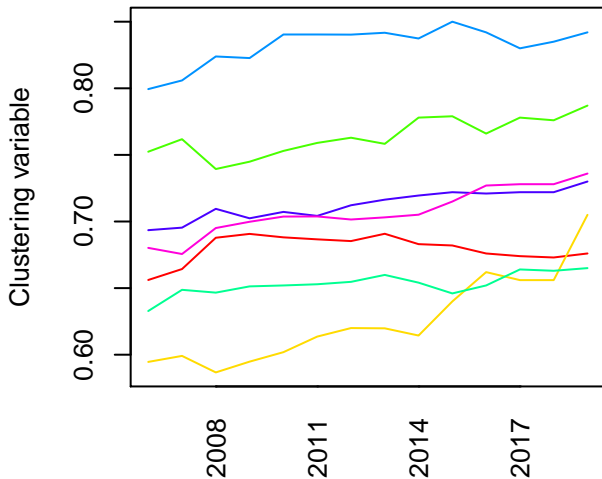
Group 13



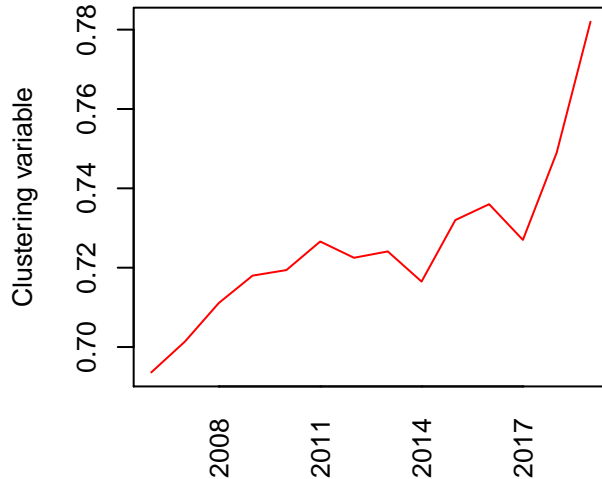
Group 14



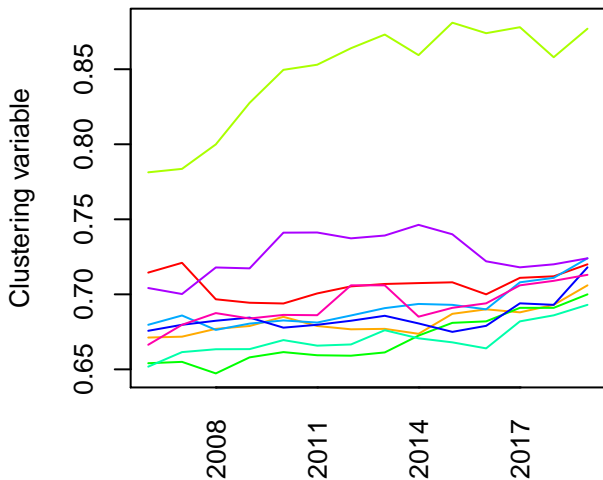
Group 15



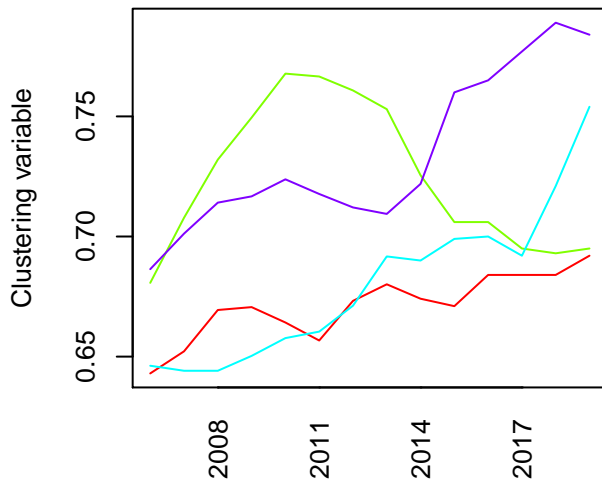
Group 16



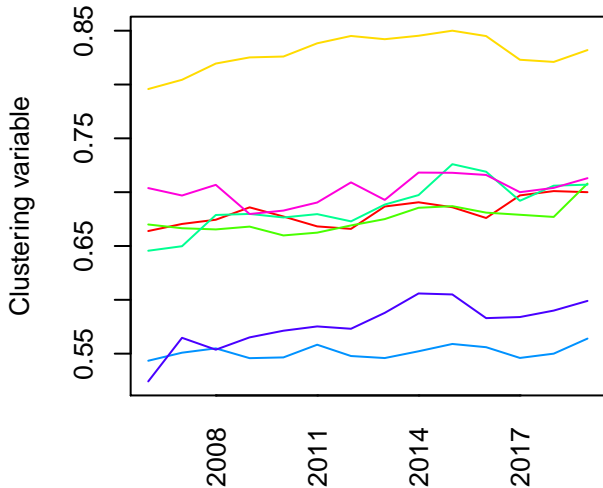
Group 17



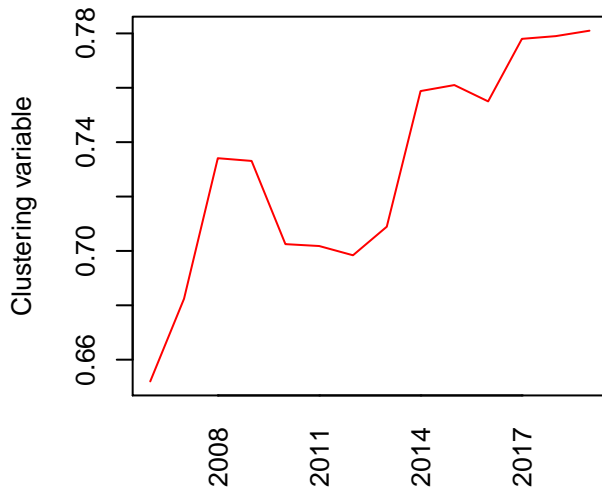
Group 18



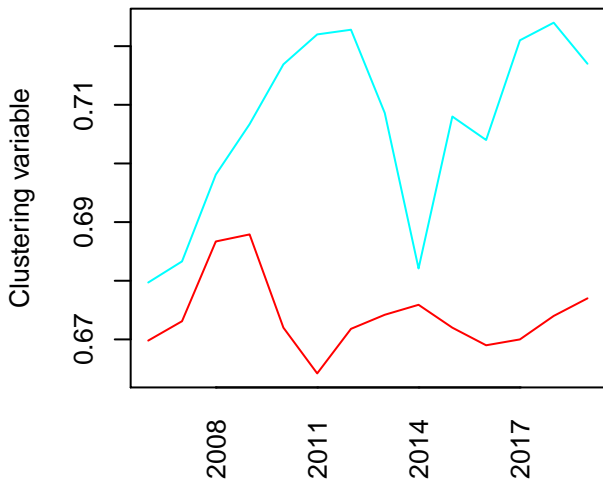
Group 19



Group 20



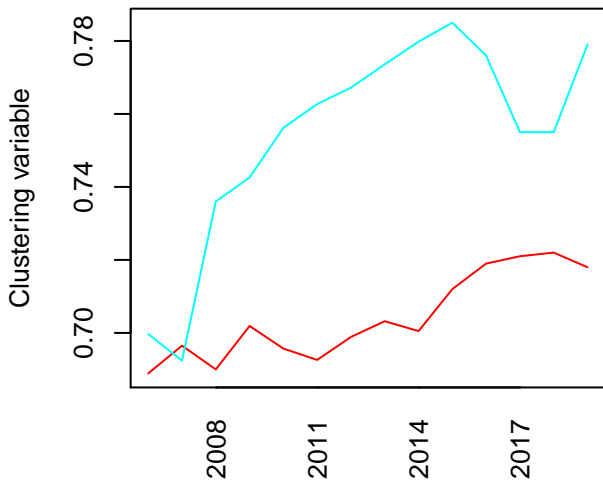
Group 21



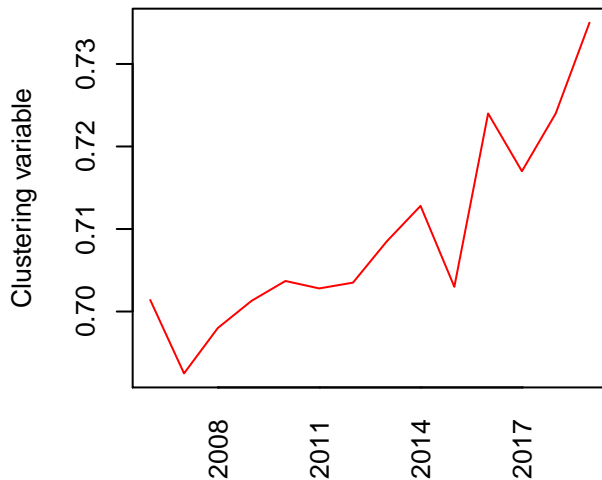
Group 22



Group 23



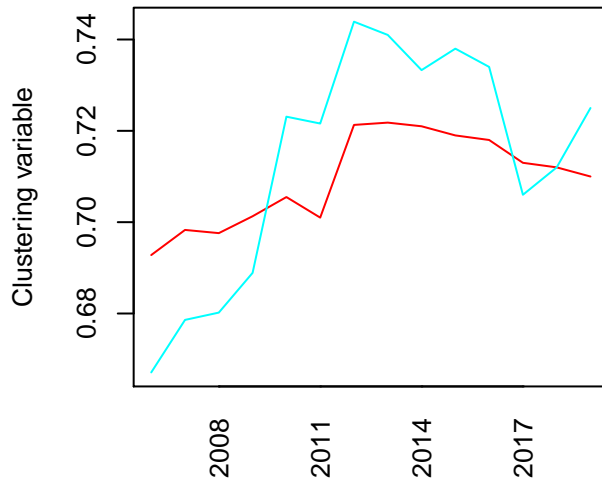
Group 24



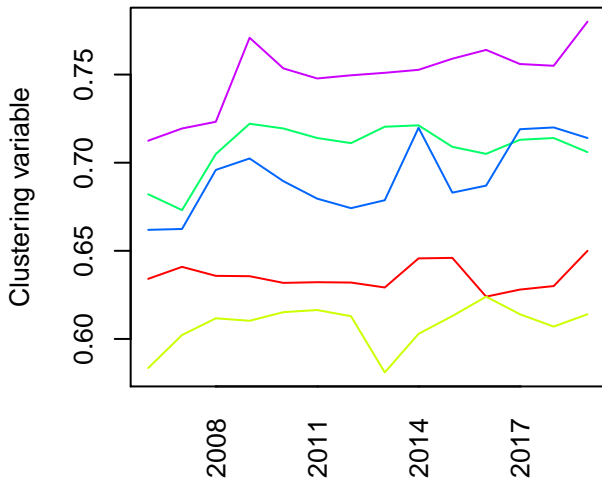
Group 25



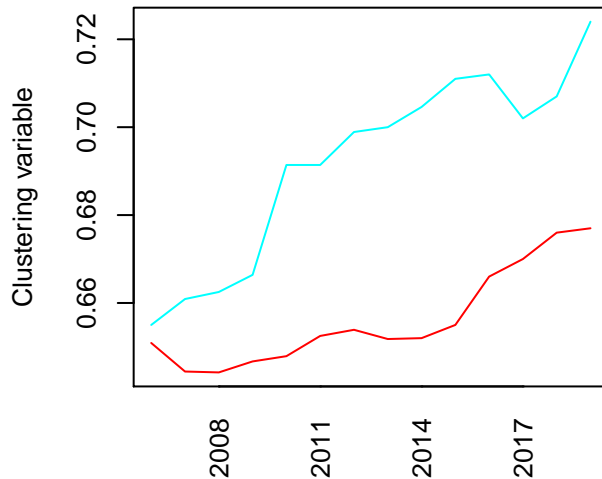
Group 26



Group 27



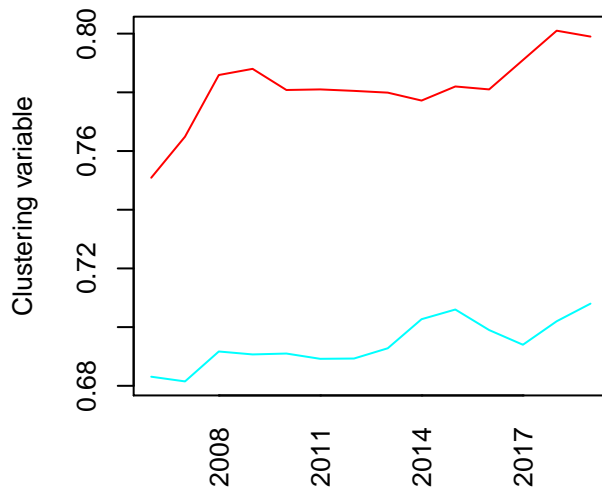
Group 28



Group 29



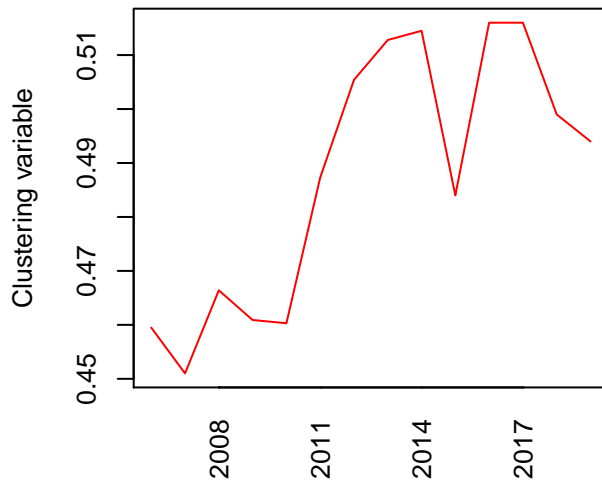
Group 30



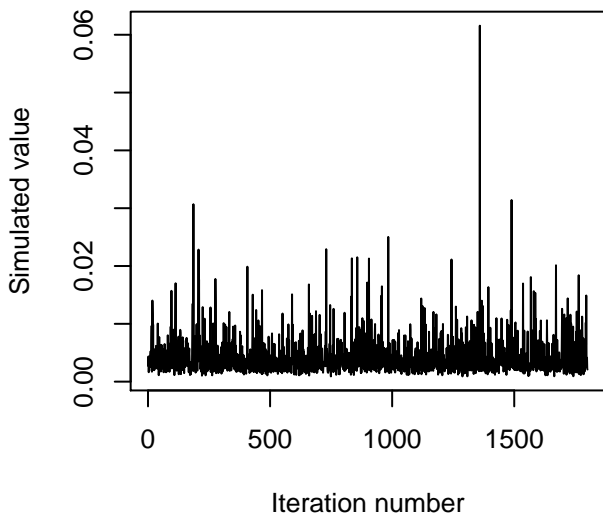
Group 31



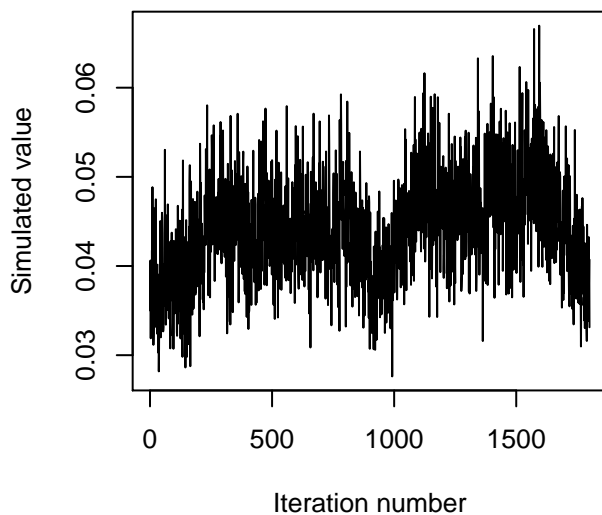
Group 32



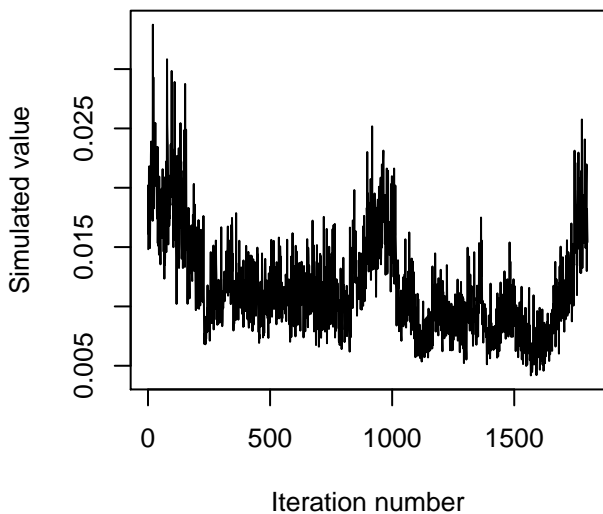
Trace plot of sig2eps



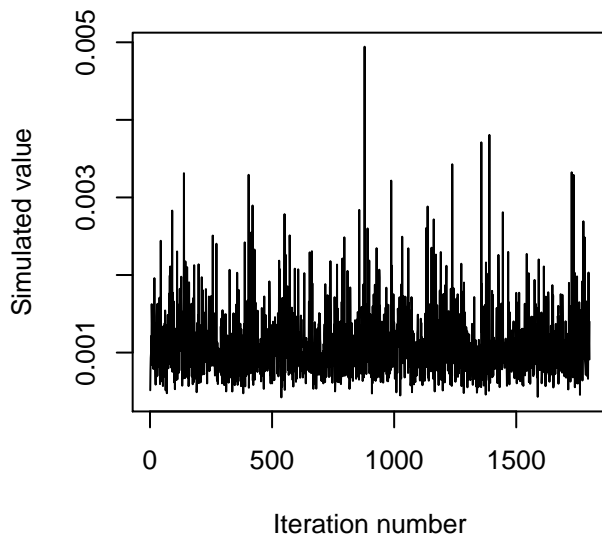
Trace plot of sig2theta



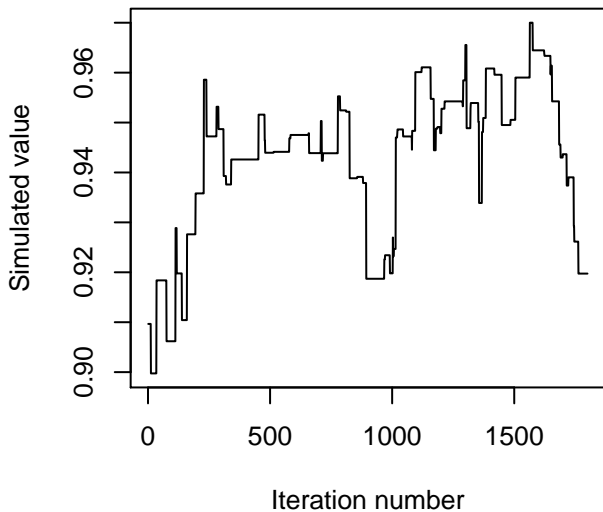
Trace plot of sig2alpha



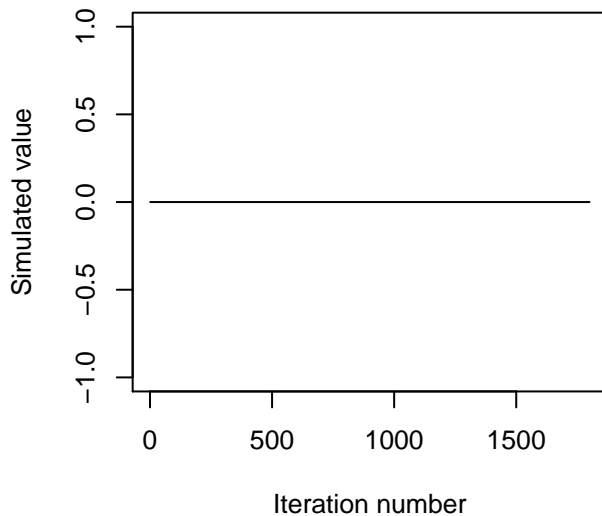
Trace plot of sig2beta



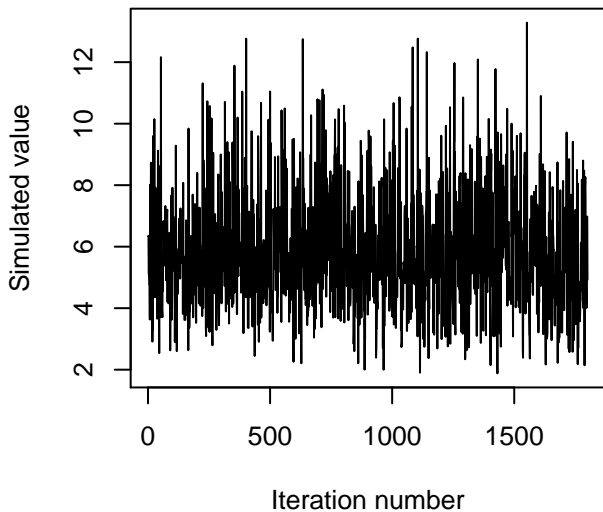
Trace plot of rho



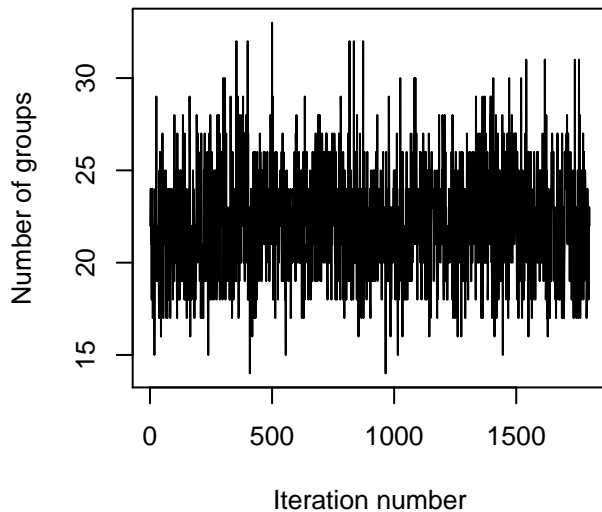
Trace plot of a



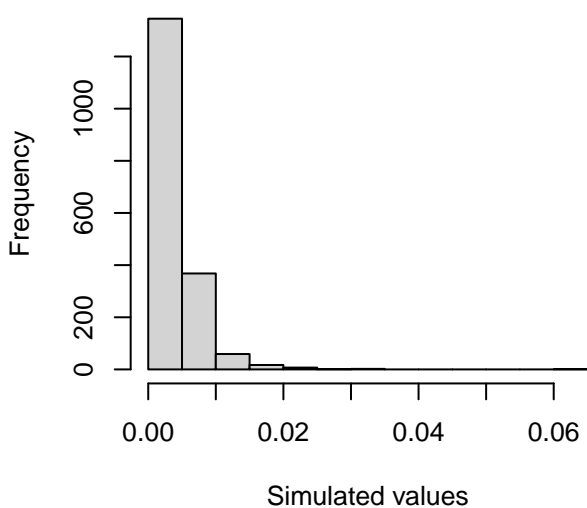
Trace plot of b



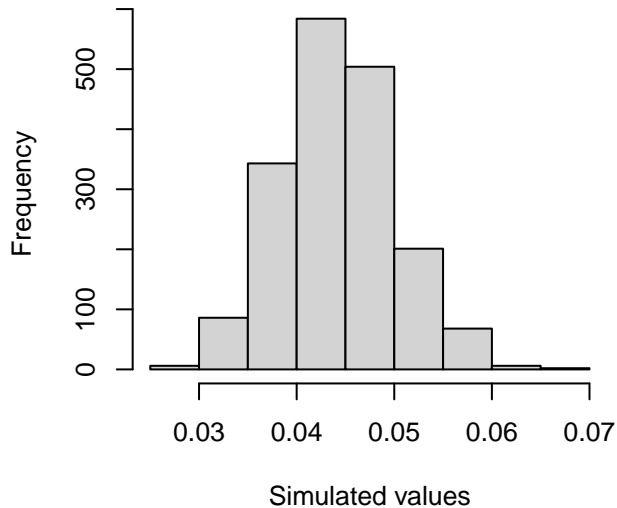
m



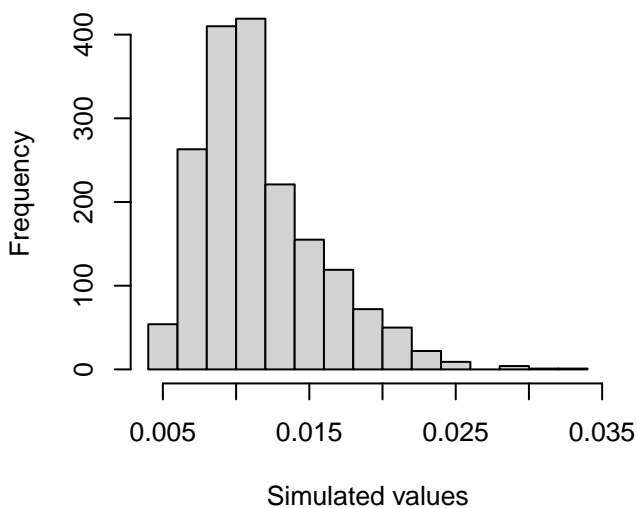
Hist. of sig2eps



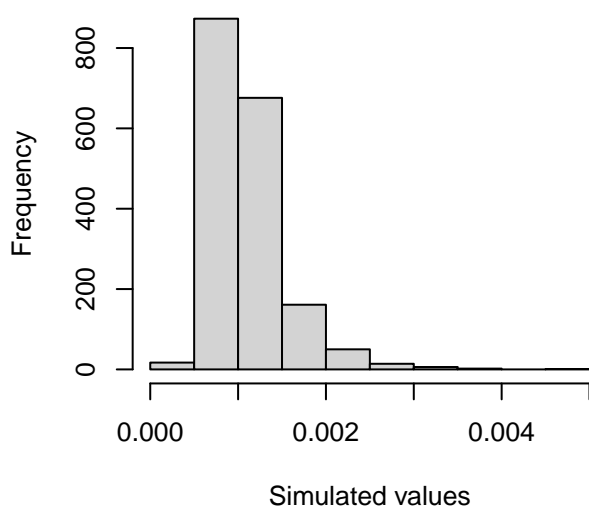
Hist. of sig2the



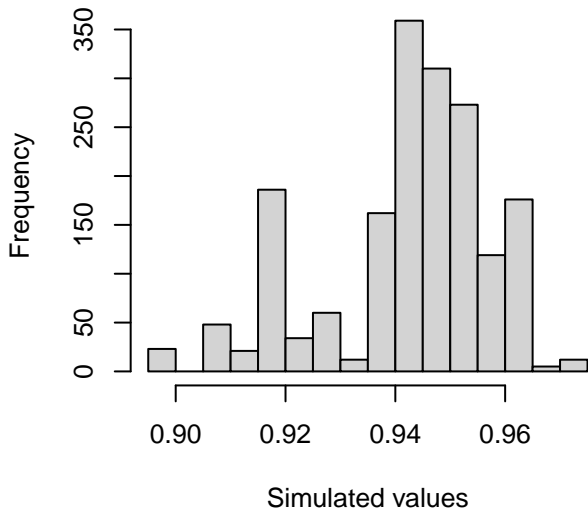
Hist. of sig2alpha



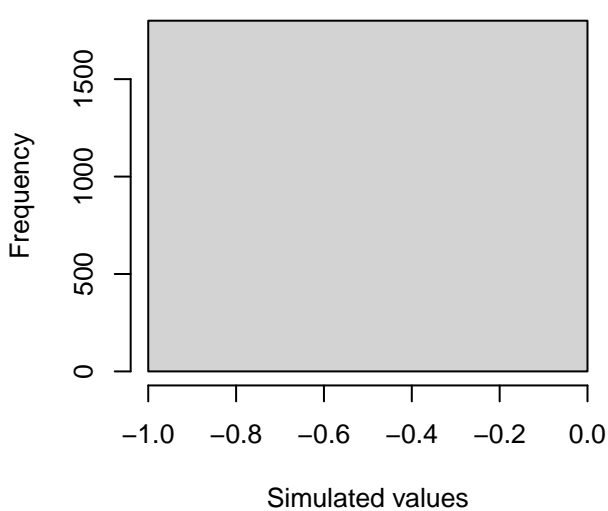
Hist. of sig2beta



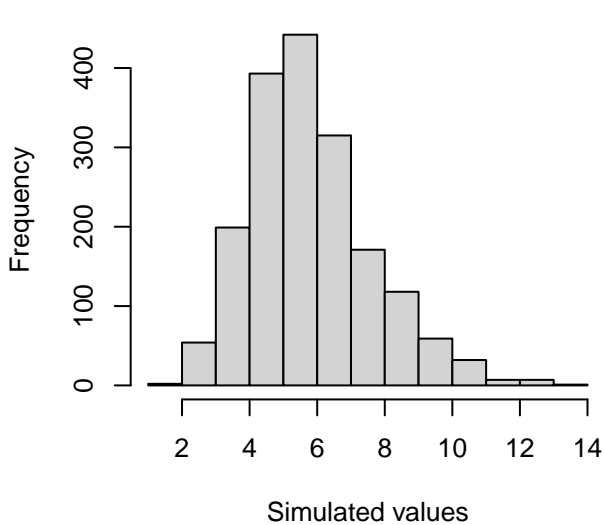
Hist. of rho



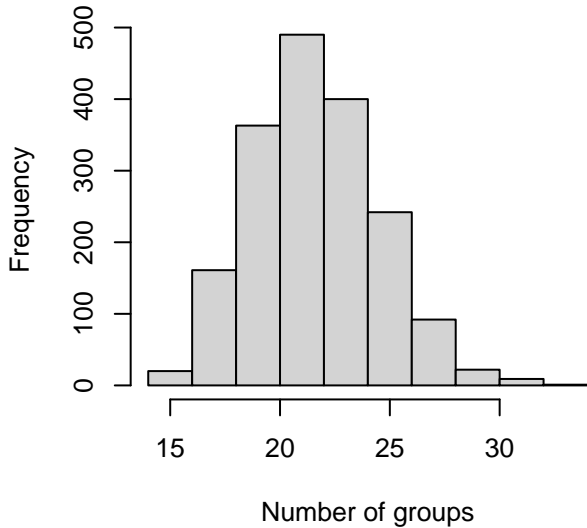
Hist. of a



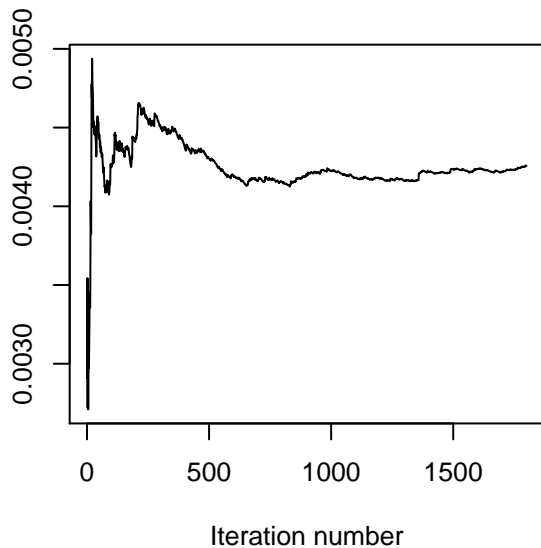
Hist. of b



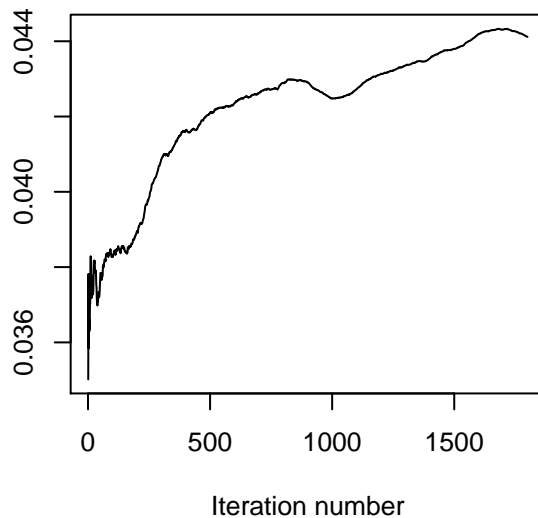
Hist. of m



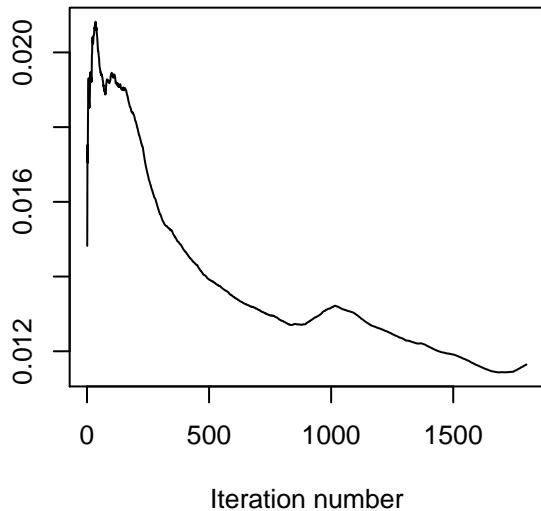
Ergodic mean of sig2eps



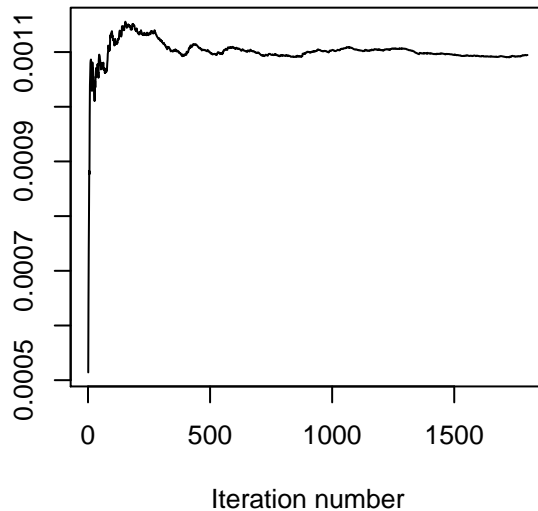
Ergodic mean of sig2the



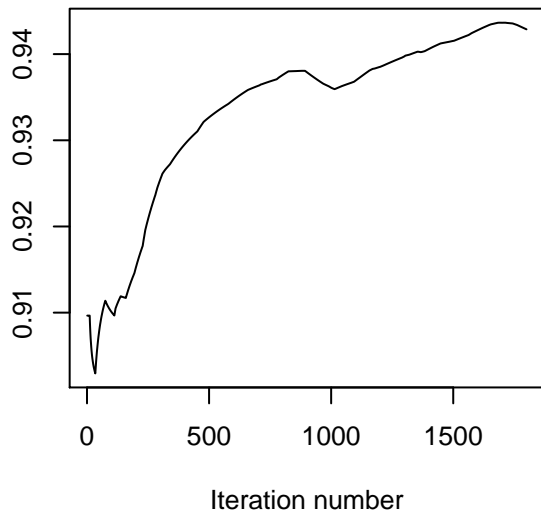
Ergodic mean of sig2alpha



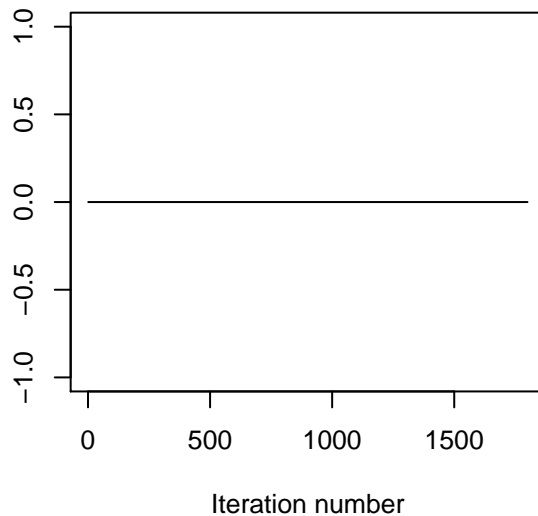
Ergodic mean of sig2beta



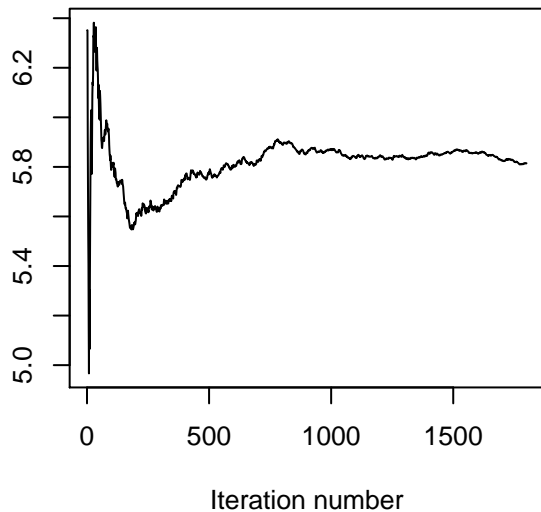
Ergodic mean of rho



Ergodic mean of a



Ergodic mean of b

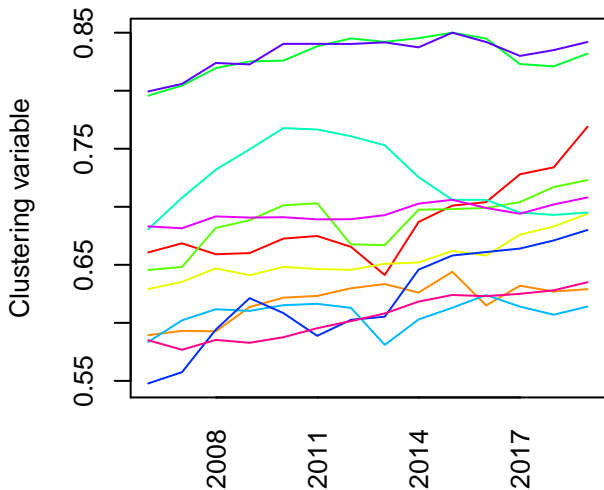


Ergodic mean of m

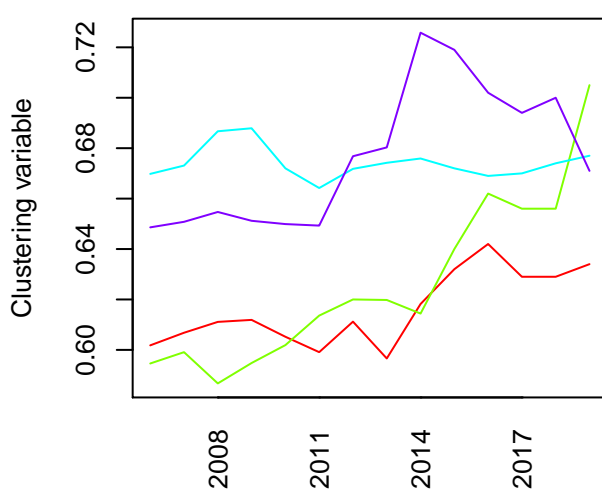


E2-2: trend = F, level = T, Poisson-Dirichlet, $c = 0.01$

Group 1



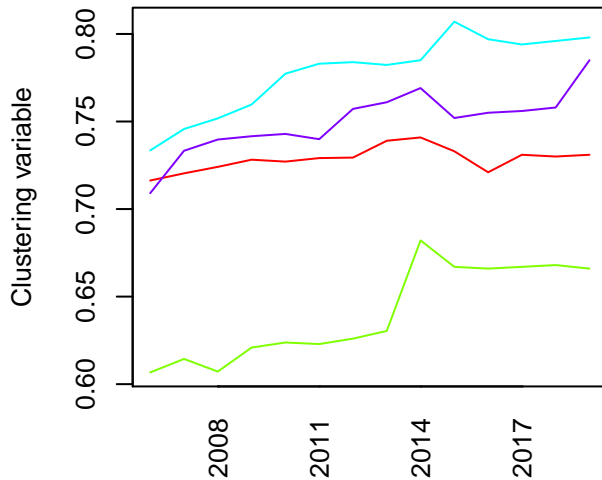
Group 2



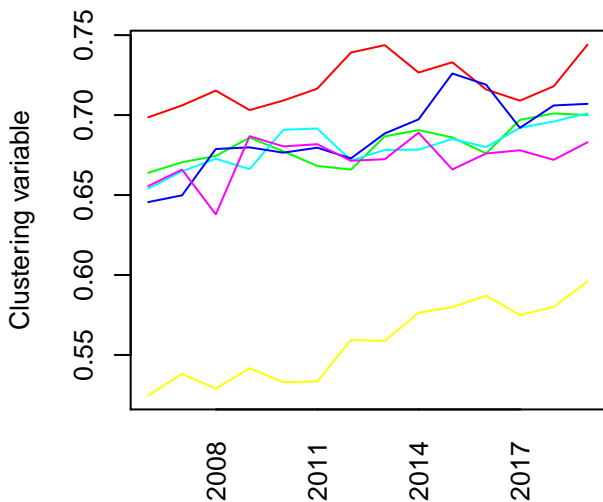
Group 3



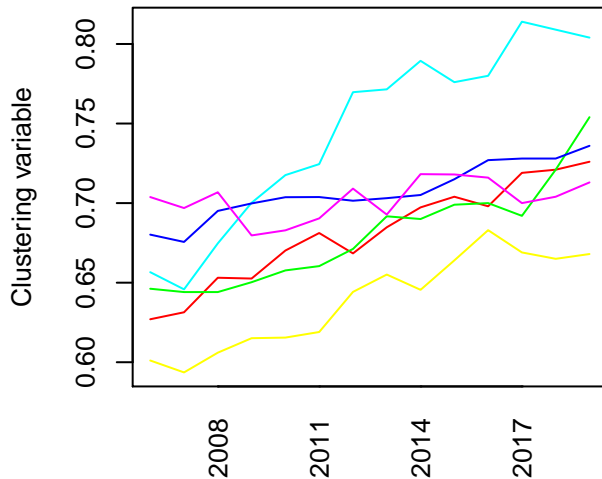
Group 4



Group 5



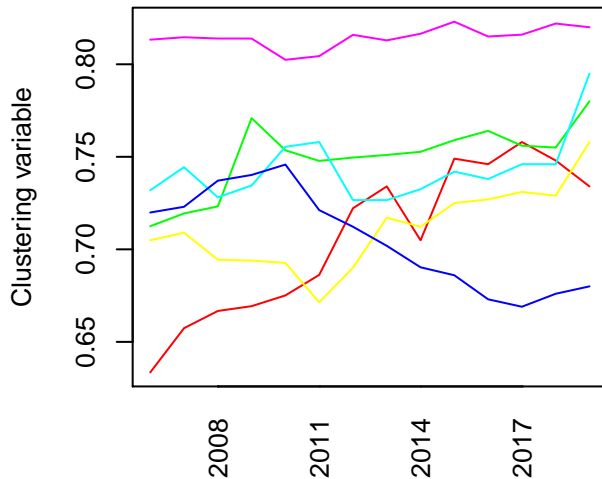
Group 6



Group 7



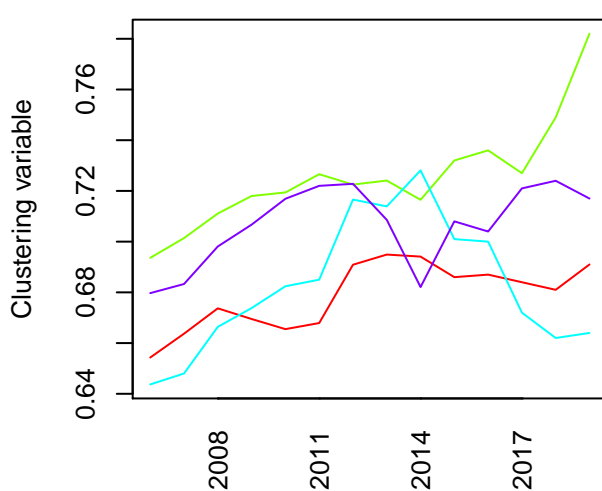
Group 8



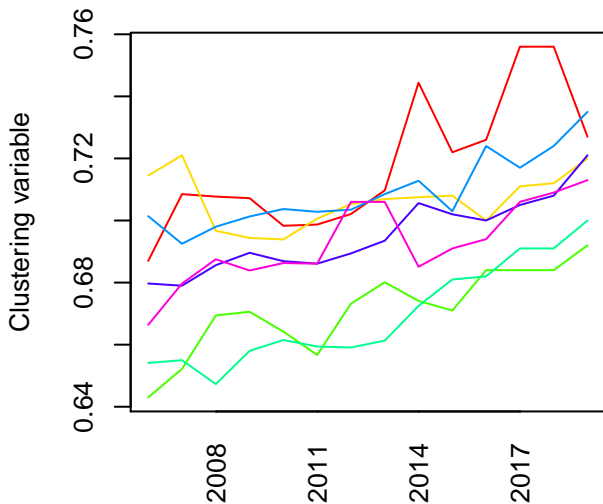
Group 9



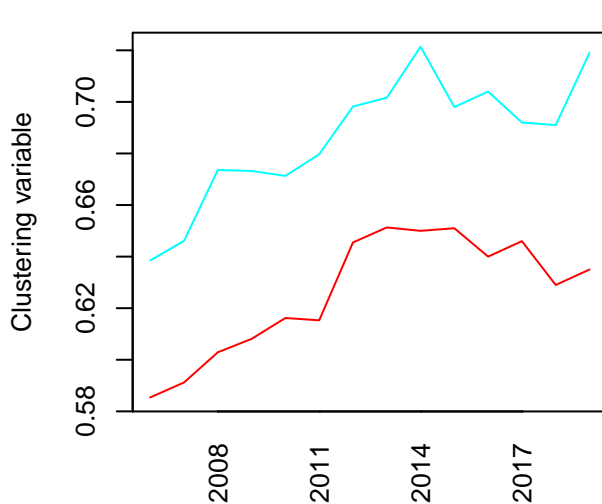
Group 10



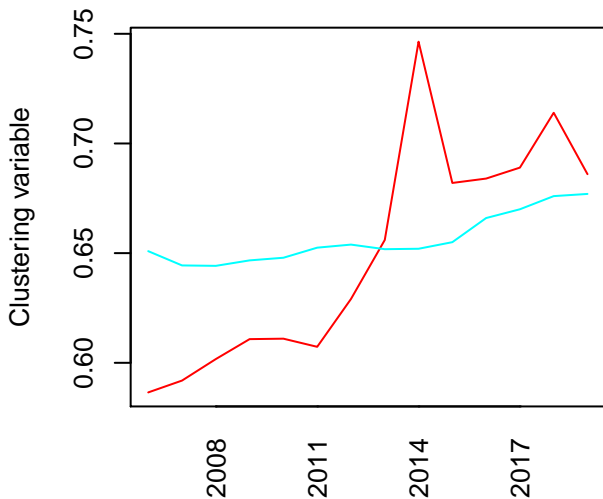
Group 11



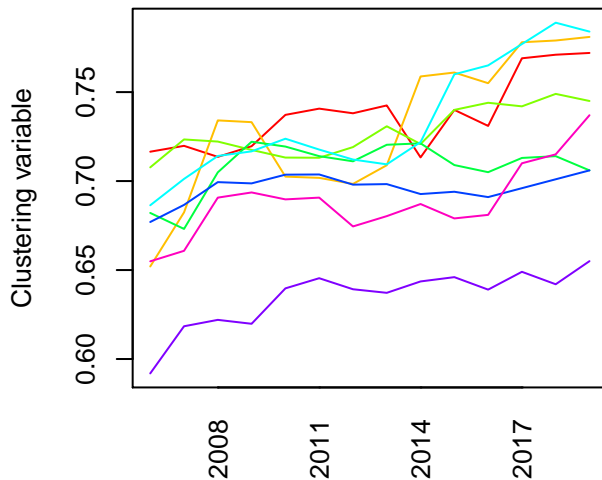
Group 12



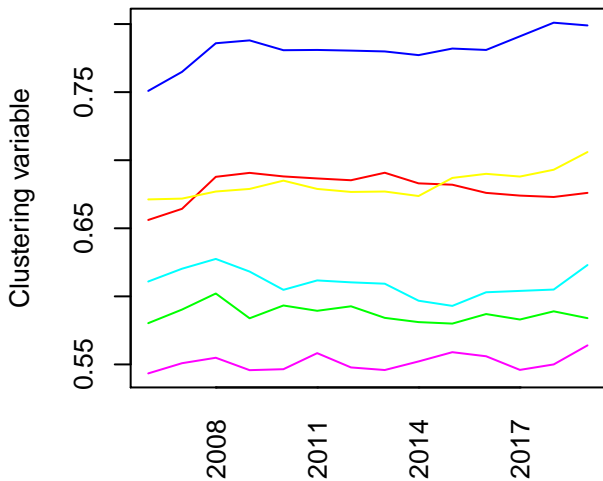
Group 13



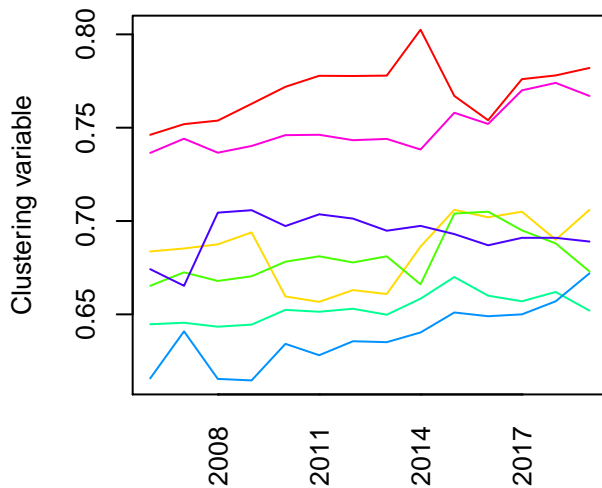
Group 14



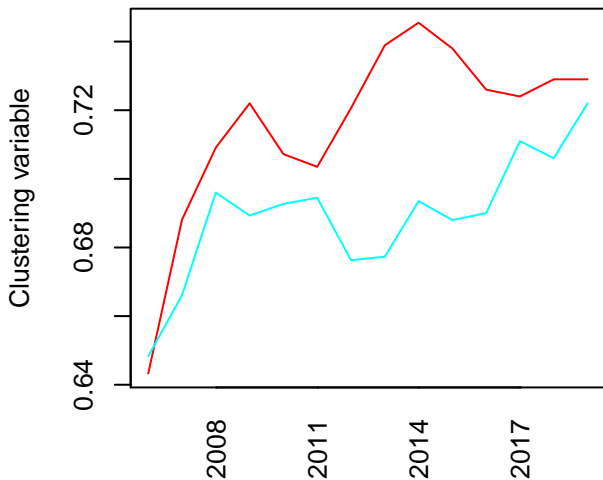
Group 15



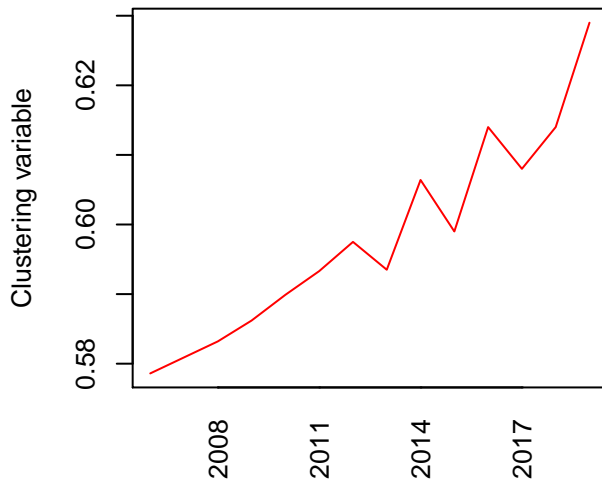
Group 16



Group 17



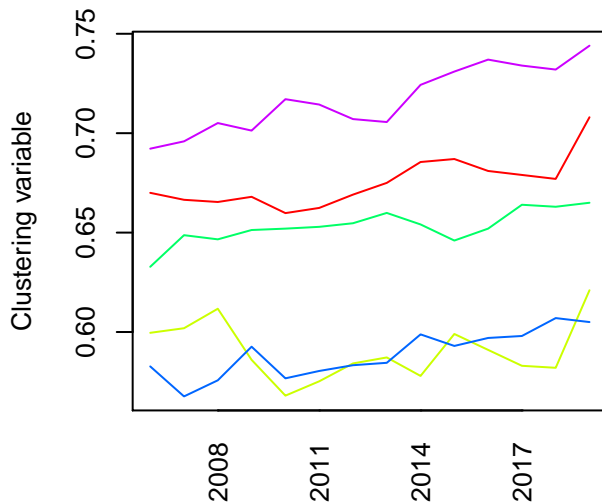
Group 18



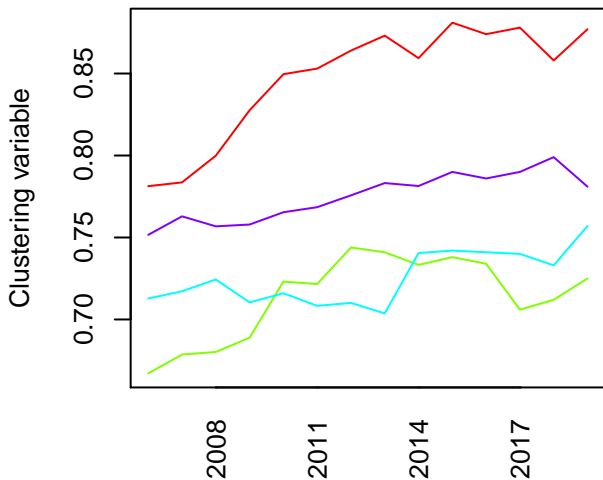
Group 19



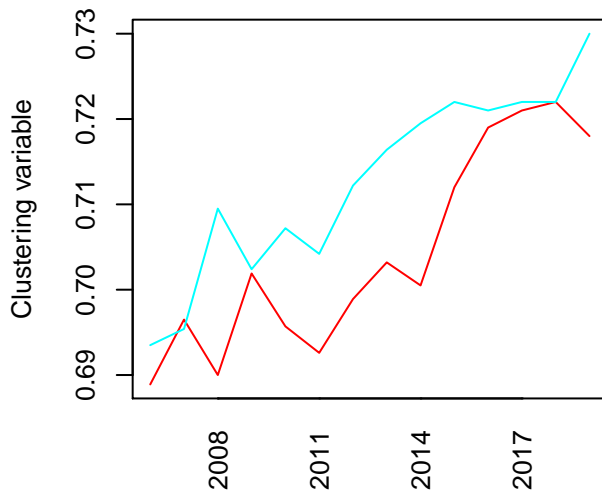
Group 20



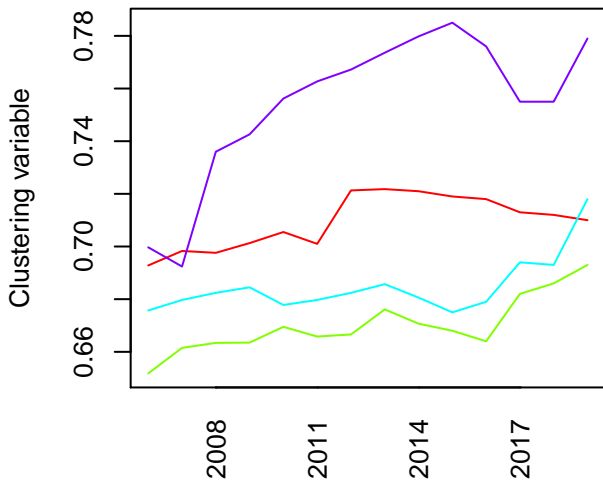
Group 21



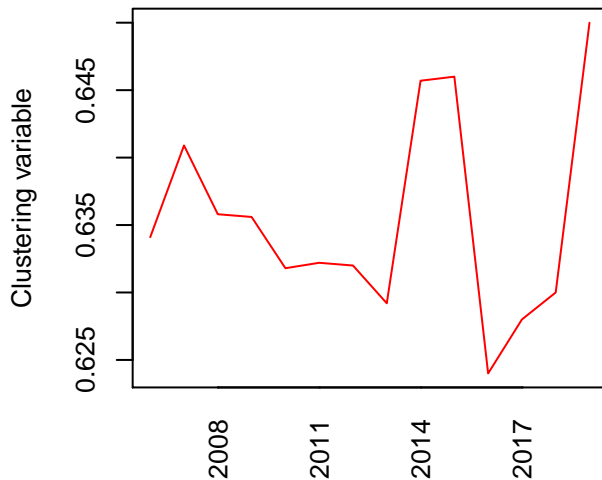
Group 22



Group 23



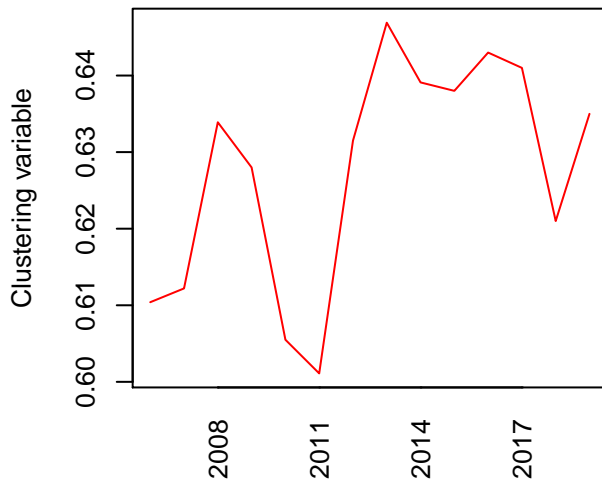
Group 24



Group 25



Group 26



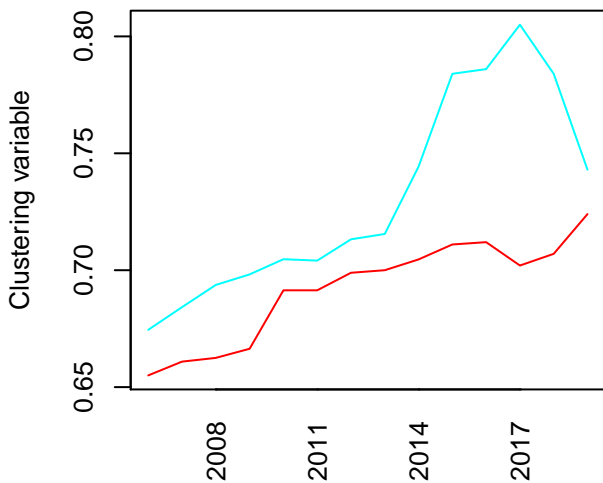
Group 27



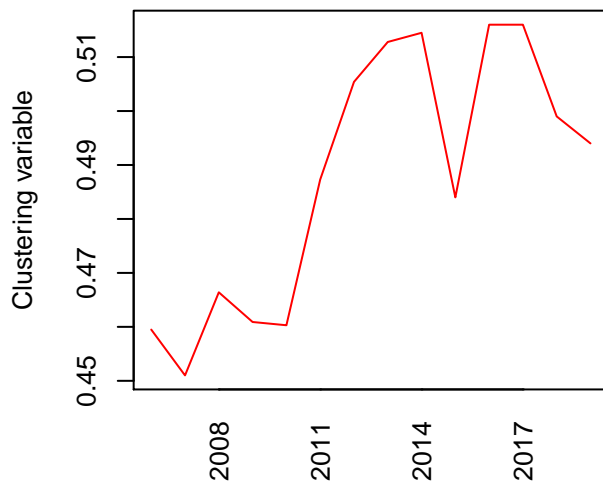
Group 28



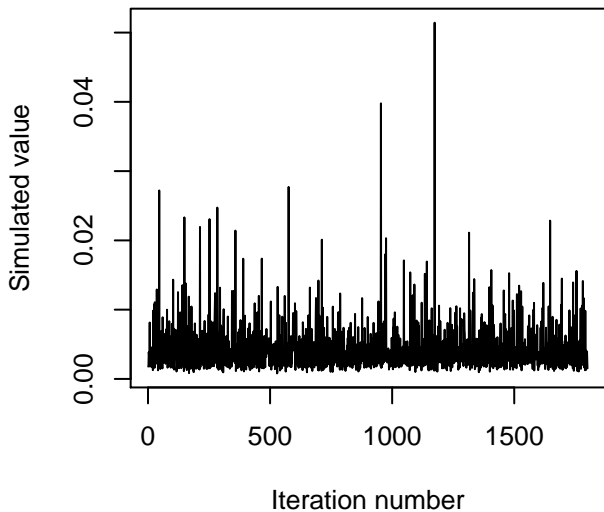
Group 29



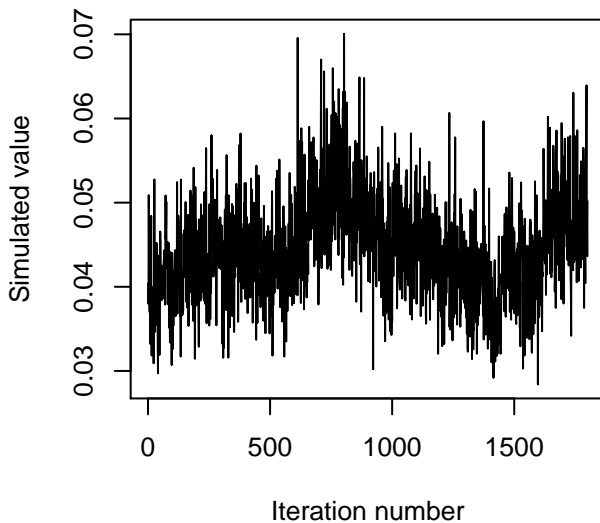
Group 30



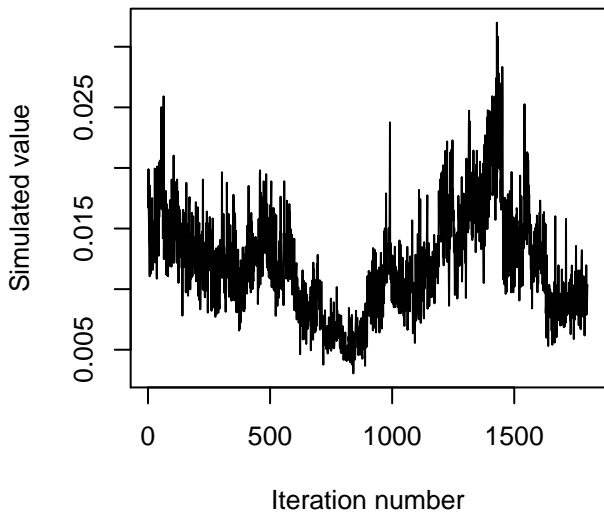
Trace plot of sig2eps



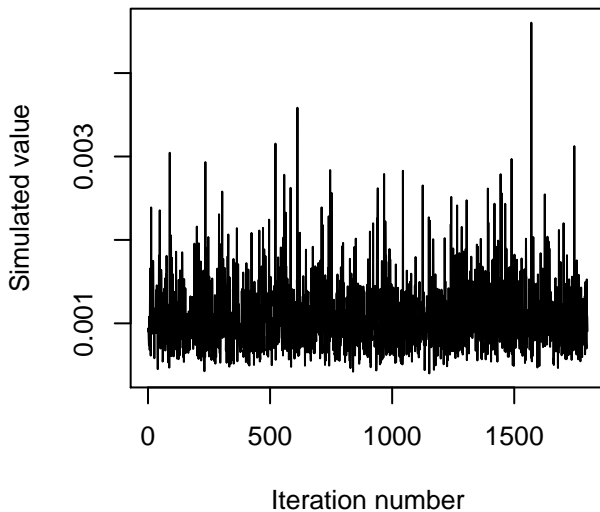
Trace plot of sig2theta



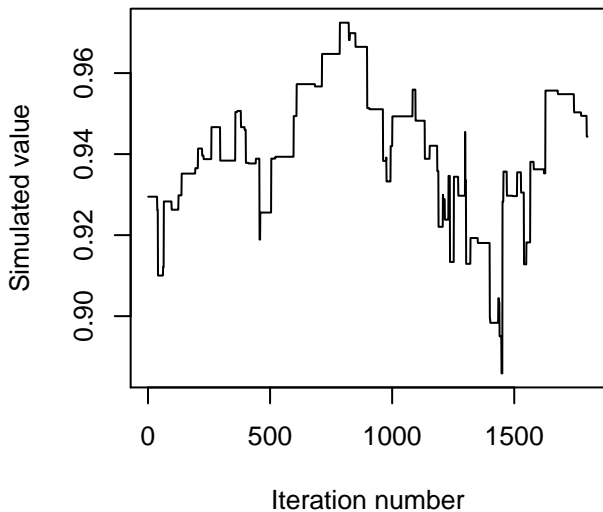
Trace plot of sig2alpha



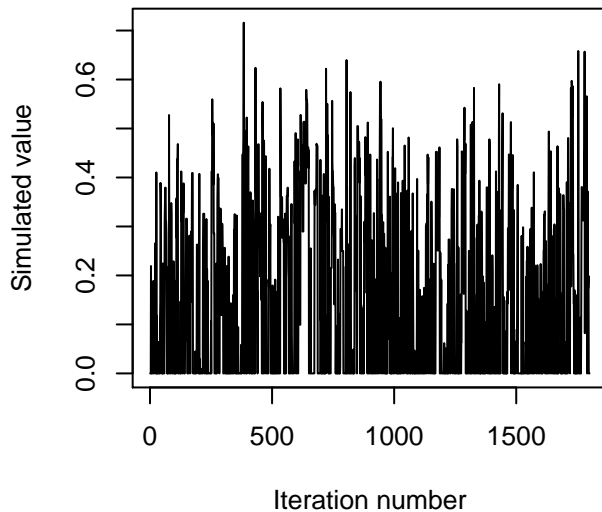
Trace plot of sig2beta



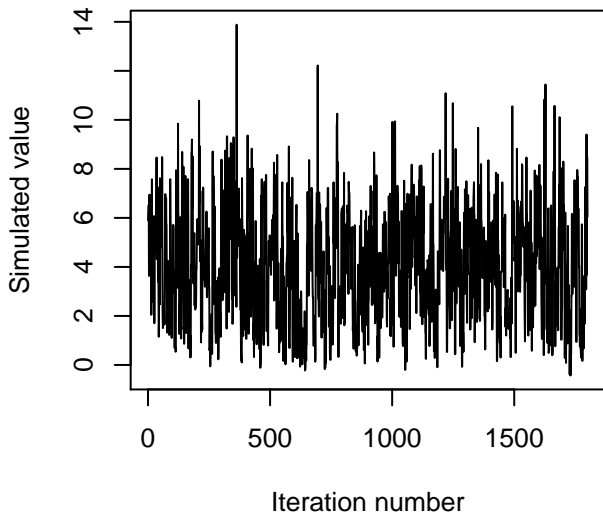
Trace plot of rho



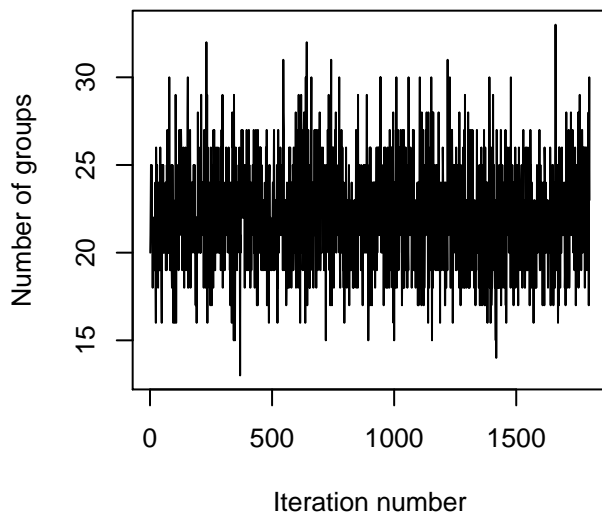
Trace plot of a



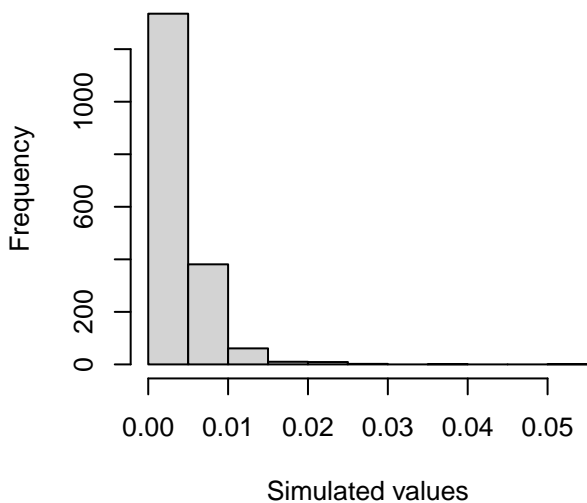
Trace plot of b



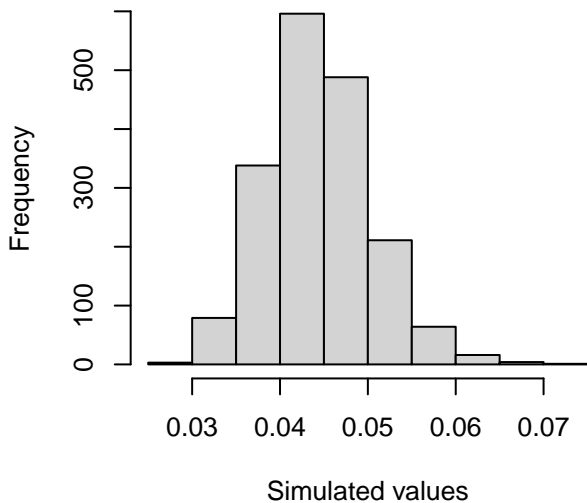
m



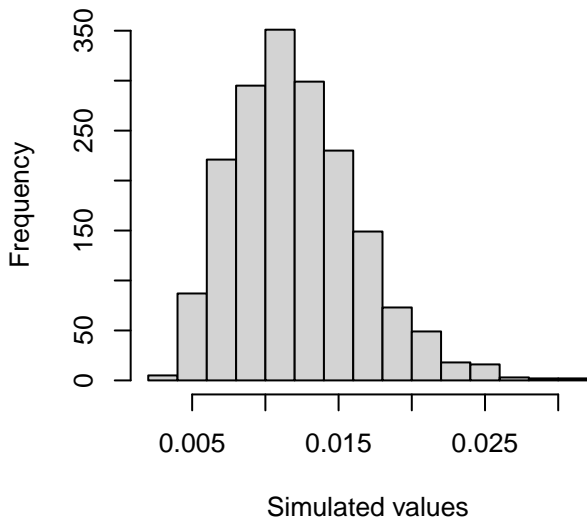
Hist. of sig2eps



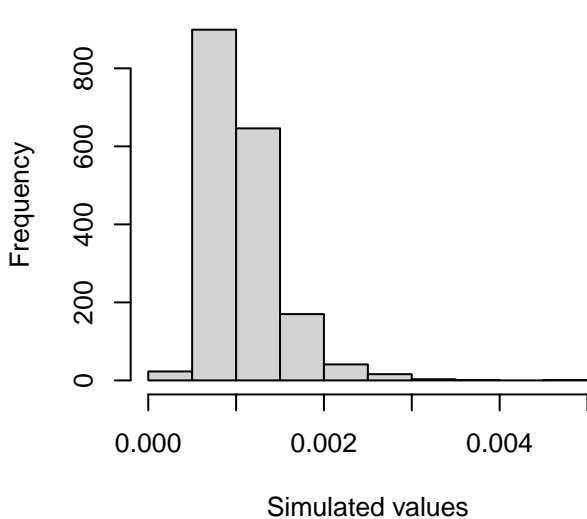
Hist. of sig2the



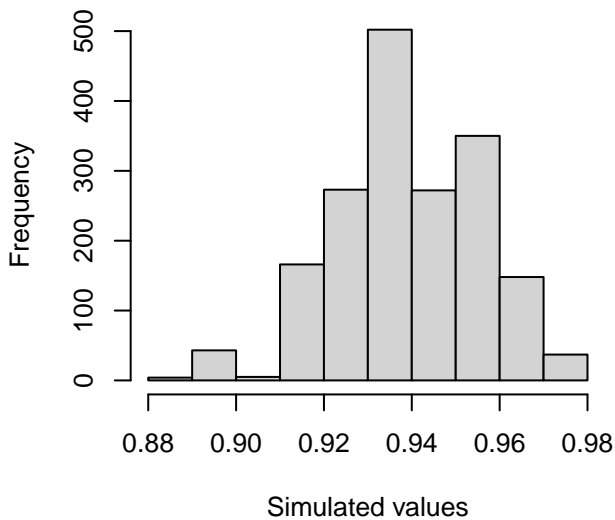
Hist. of sig2alpha



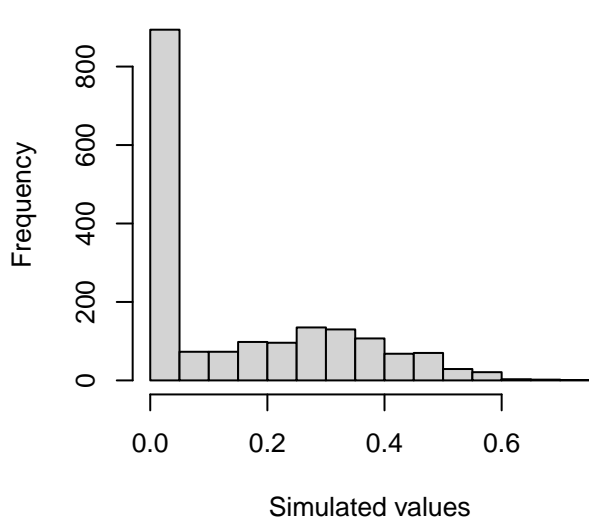
Hist. of sig2beta



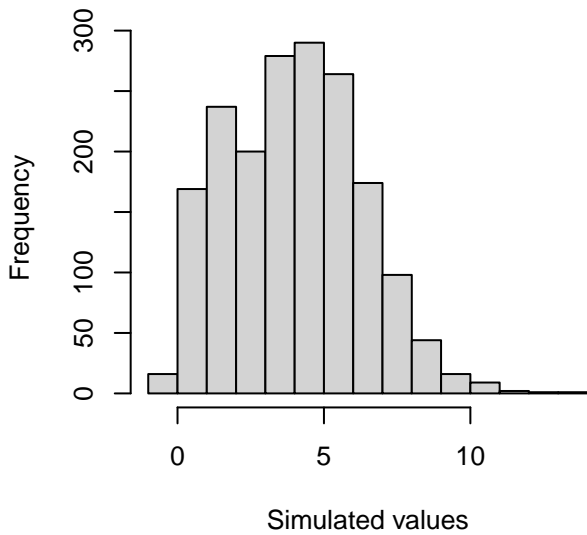
Hist. of rho



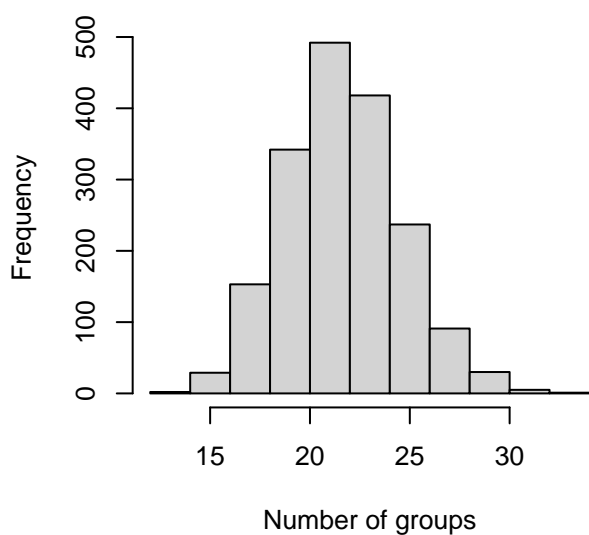
Hist. of a



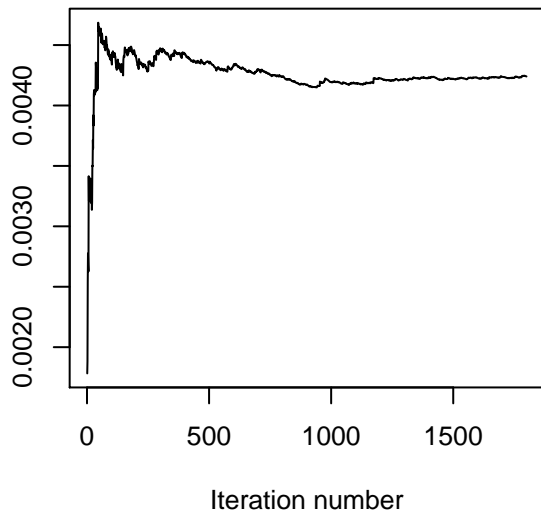
Hist. of b



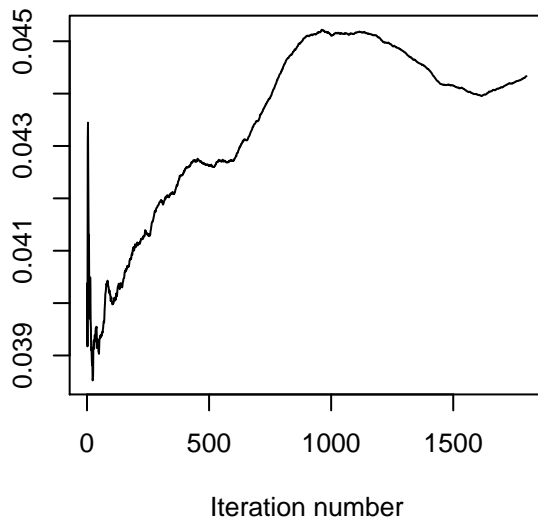
Hist. of m



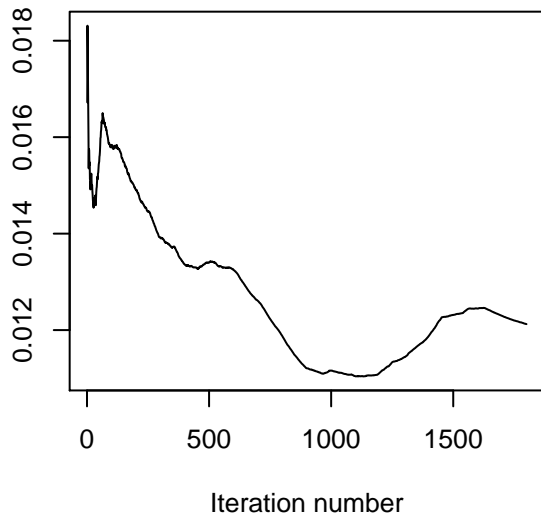
Ergodic mean of sig2eps



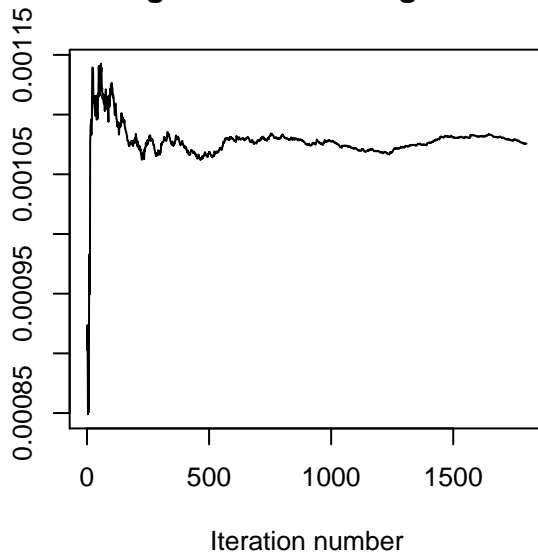
Ergodic mean of sig2the



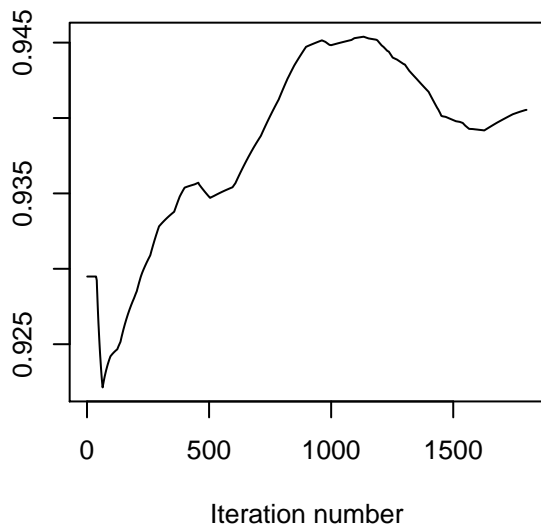
Ergodic mean of sig2alpha



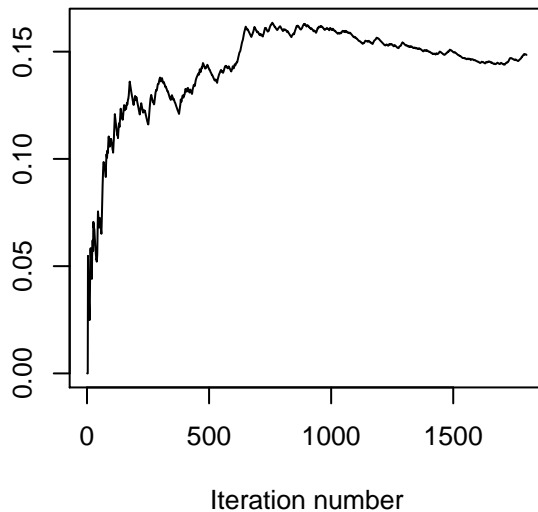
Ergodic mean of sig2beta



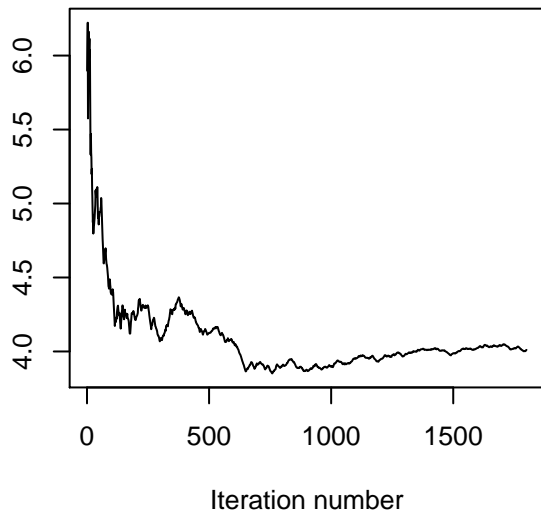
Ergodic mean of rho



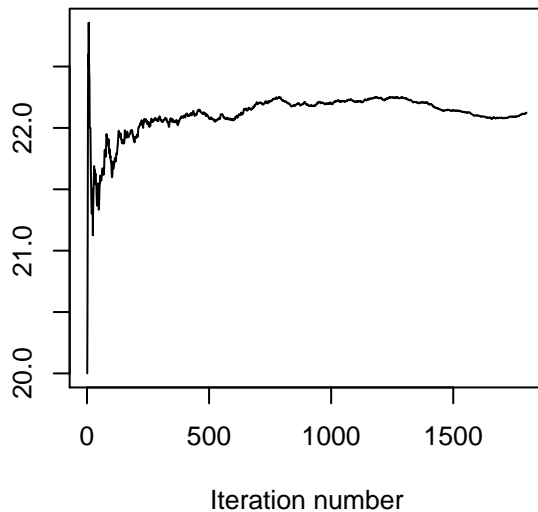
Ergodic mean of a



Ergodic mean of b

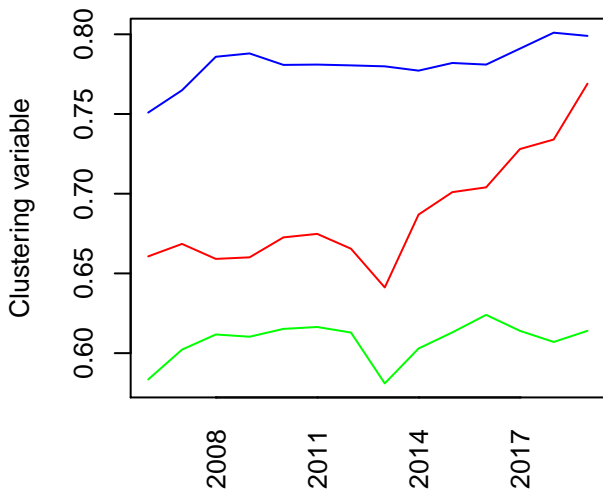


Ergodic mean of m

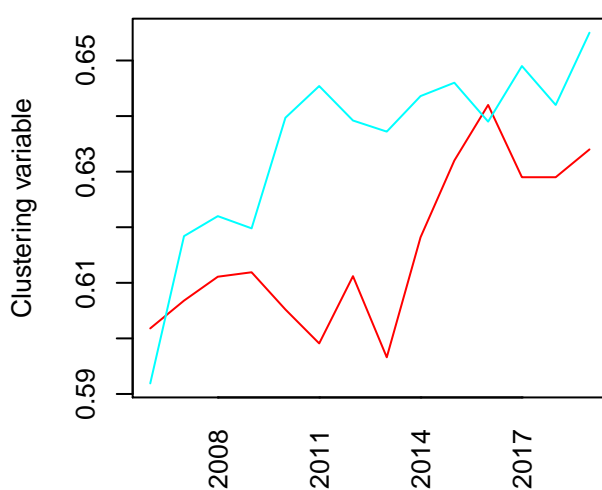


E3-2: trend = F, level = T, Nstable, c = 0.01

Group 1



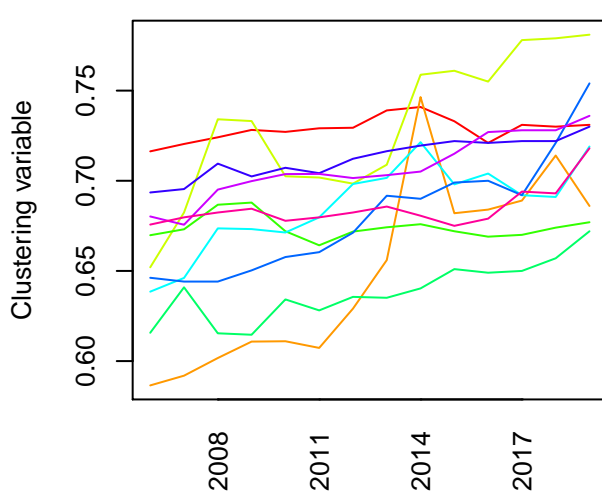
Group 2



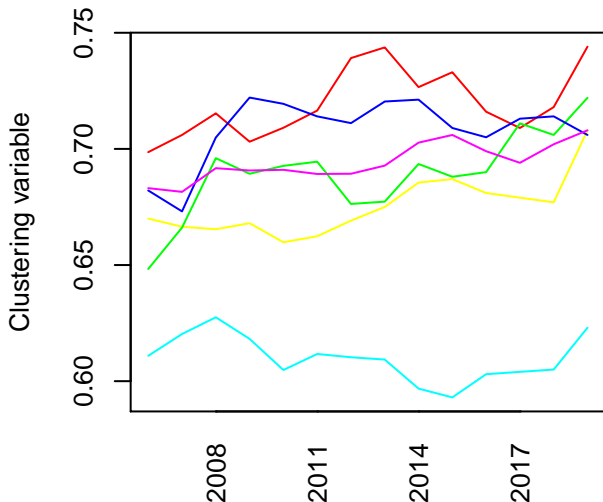
Group 3



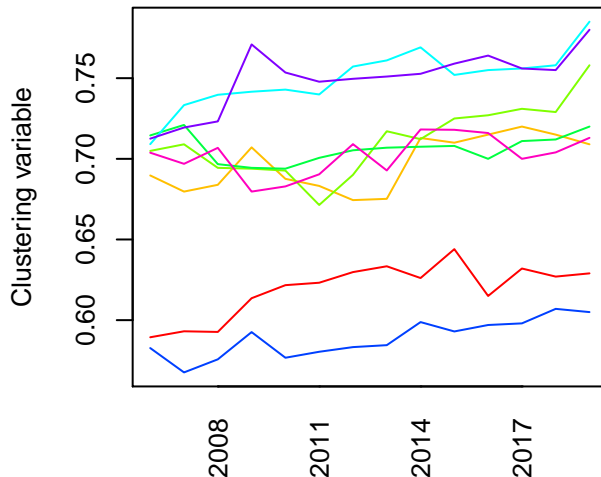
Group 4



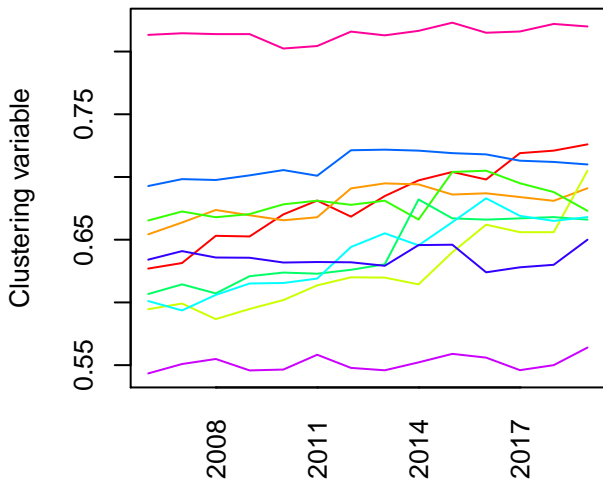
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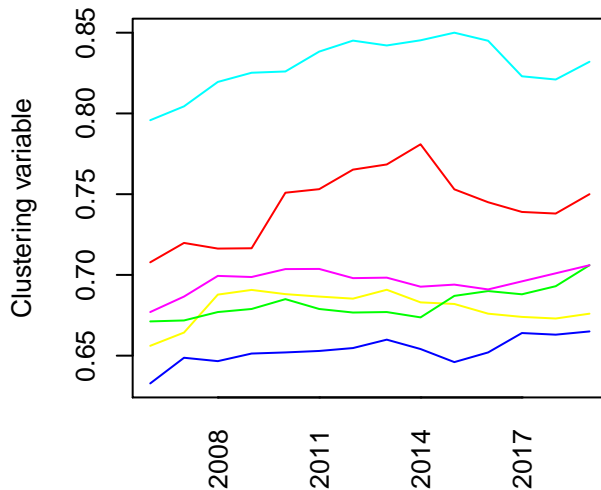
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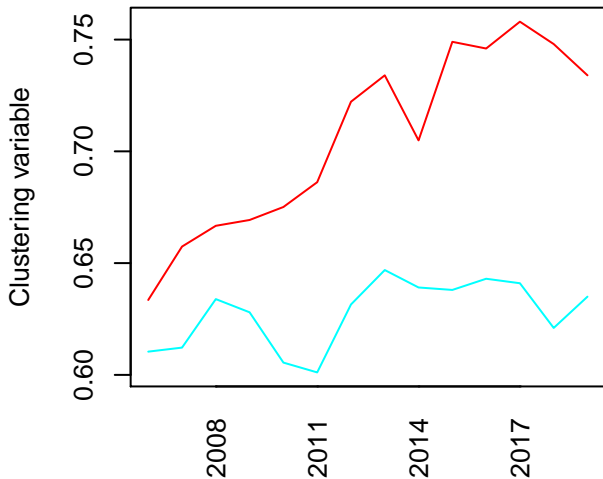
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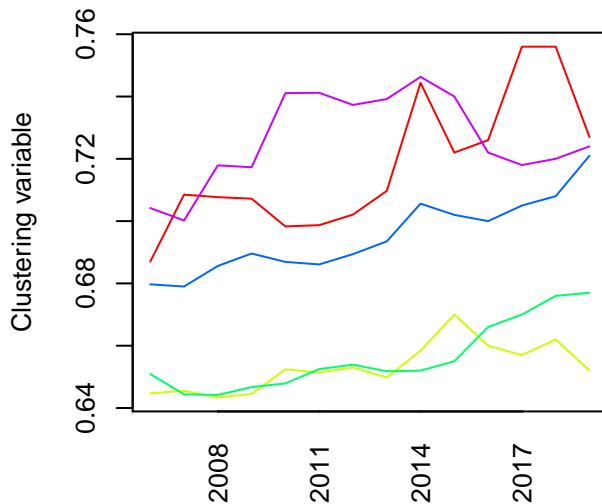
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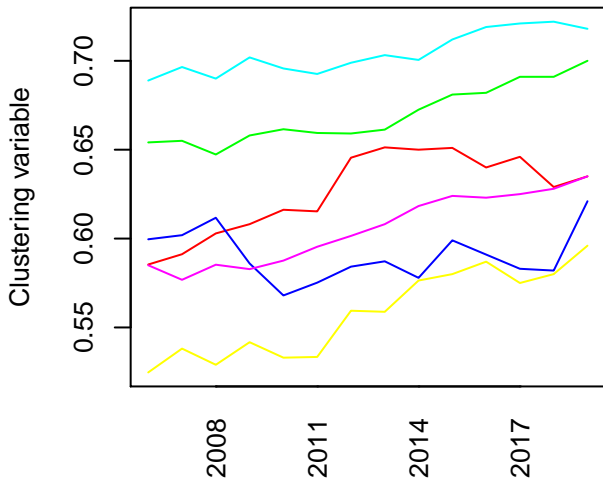
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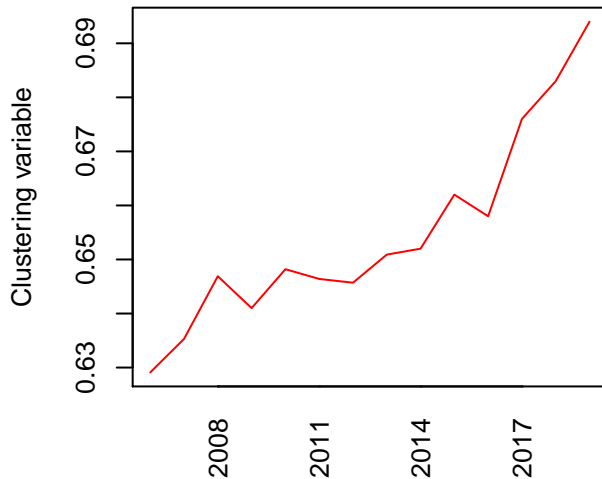
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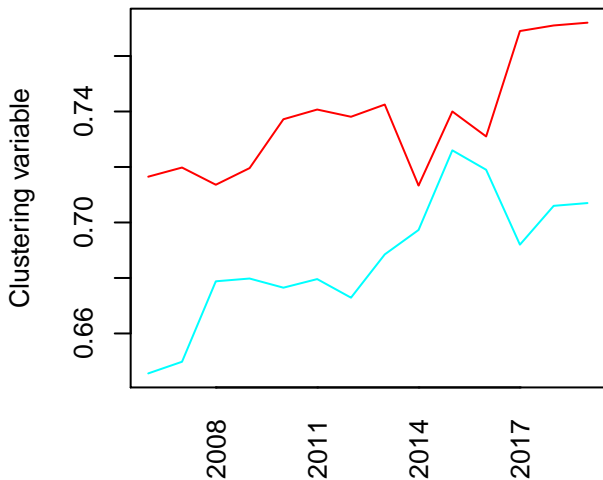
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Group 12



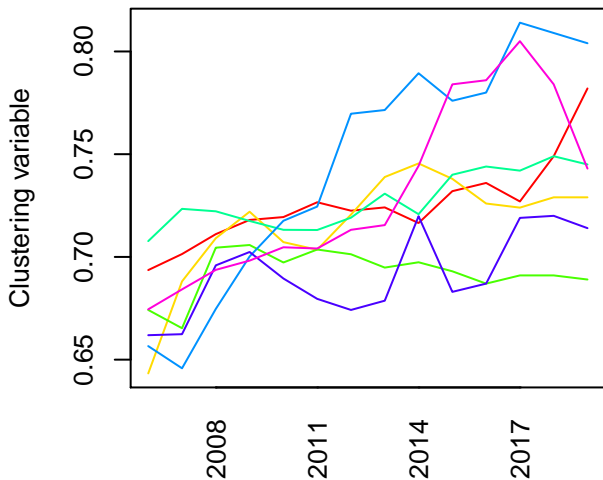
Group 13



Group 14



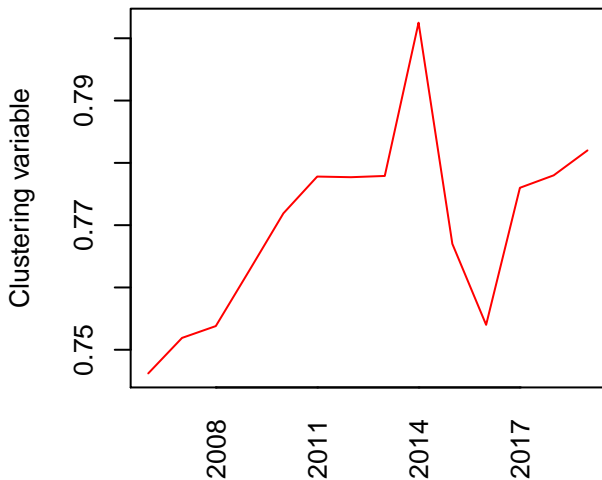
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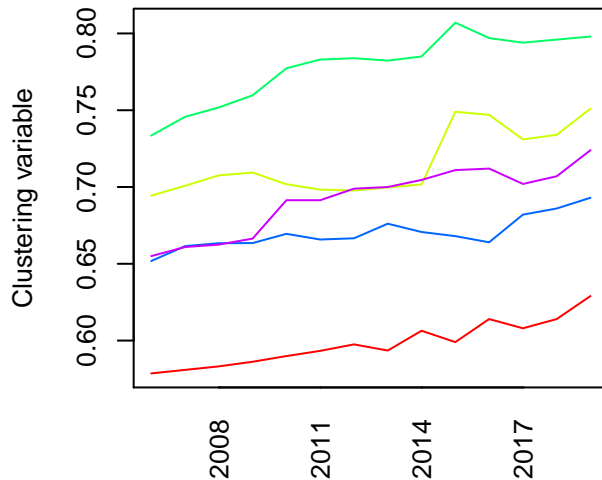
Group 16



Group 17



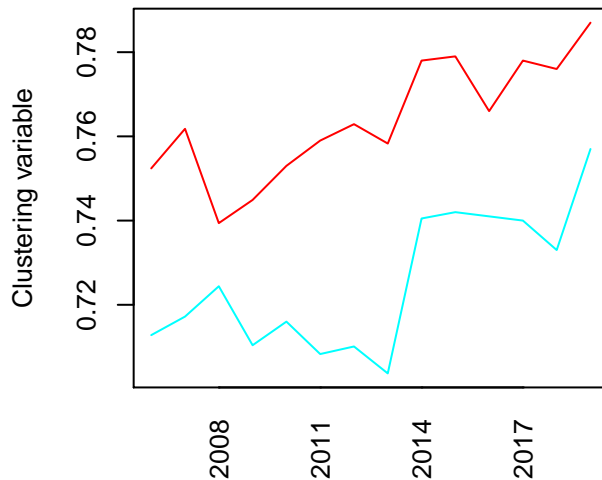
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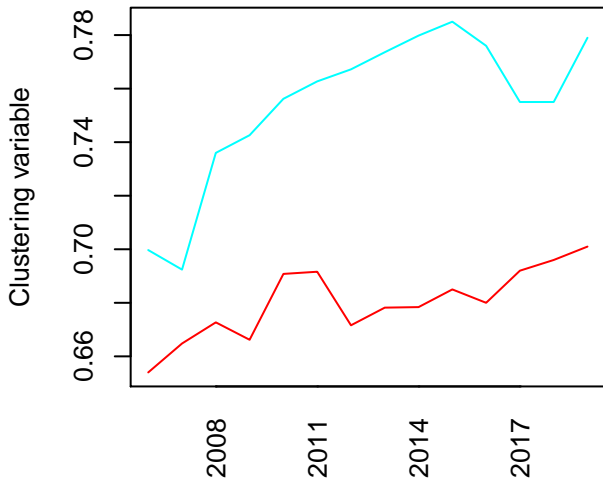
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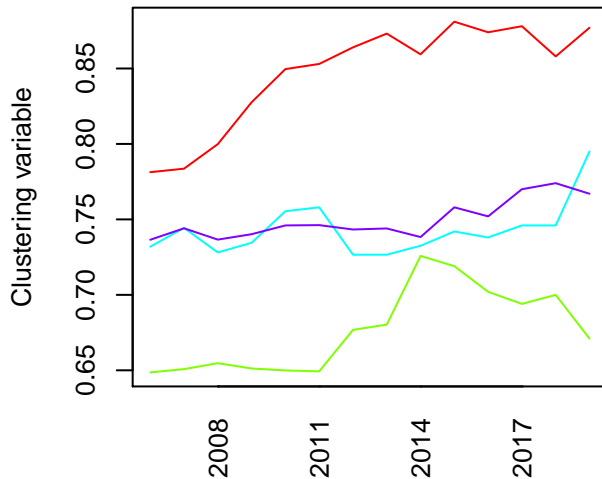
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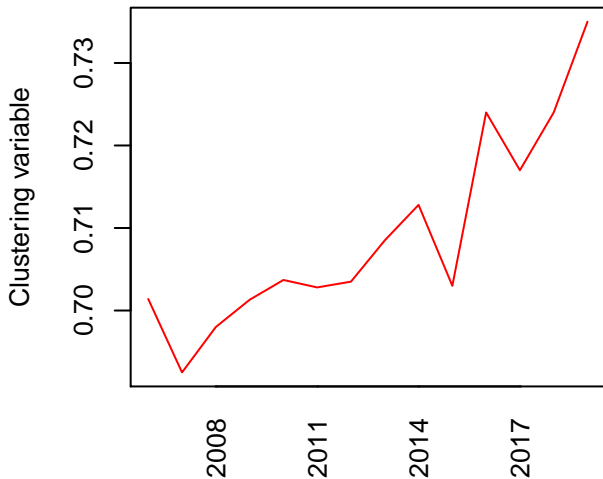
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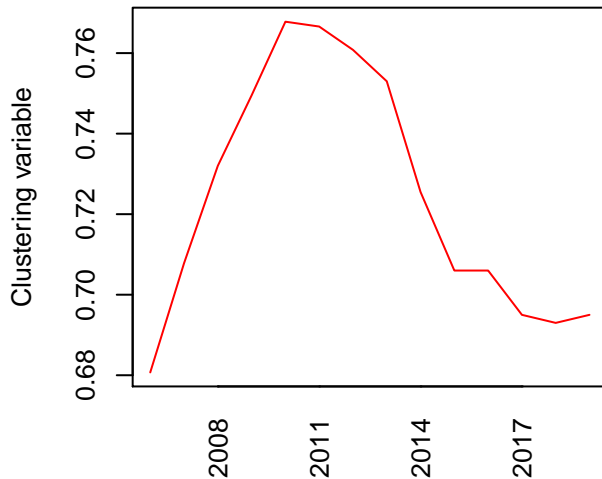
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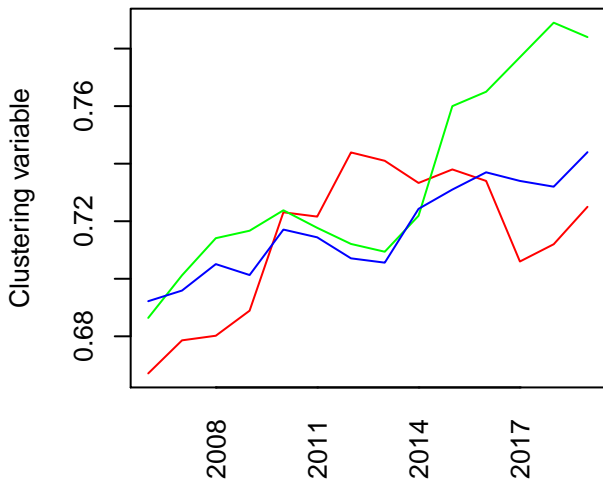
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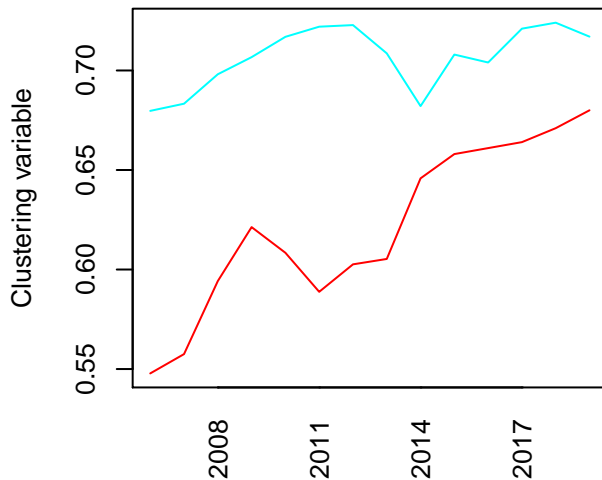
Group 24



Group 25



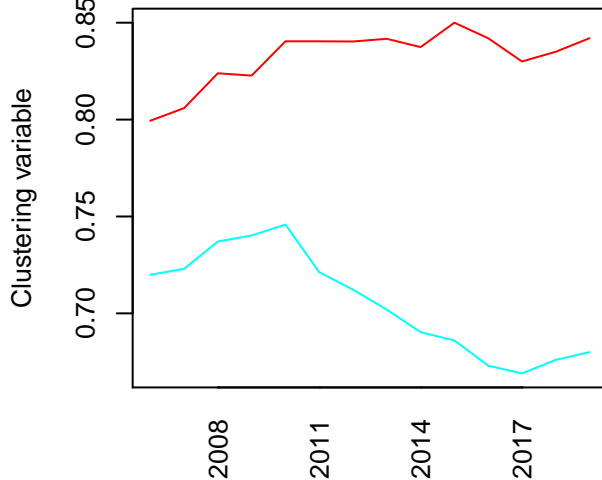
Group 26



Group 27



Group 28



Group 29



Group 30



Group 31



Group 32

