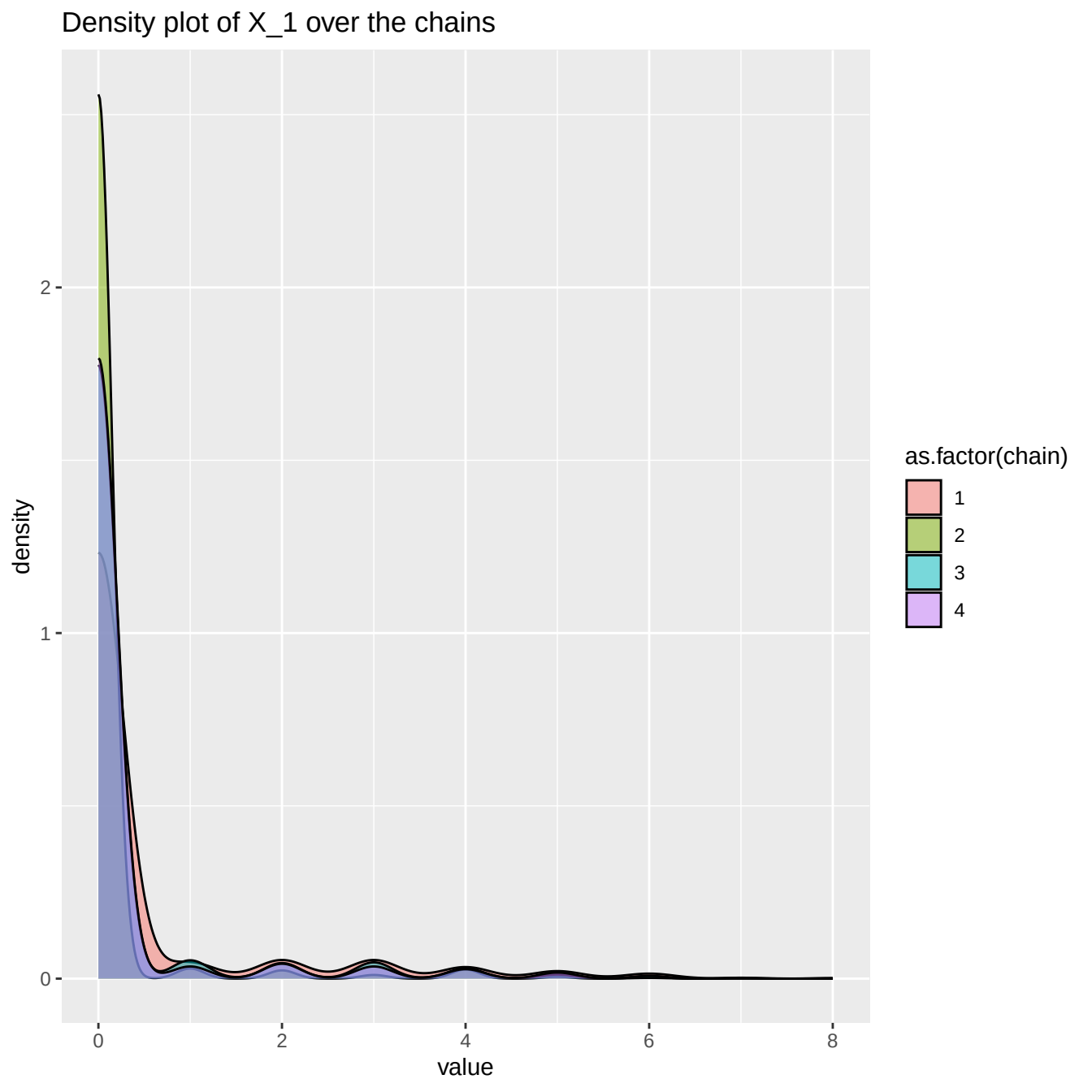
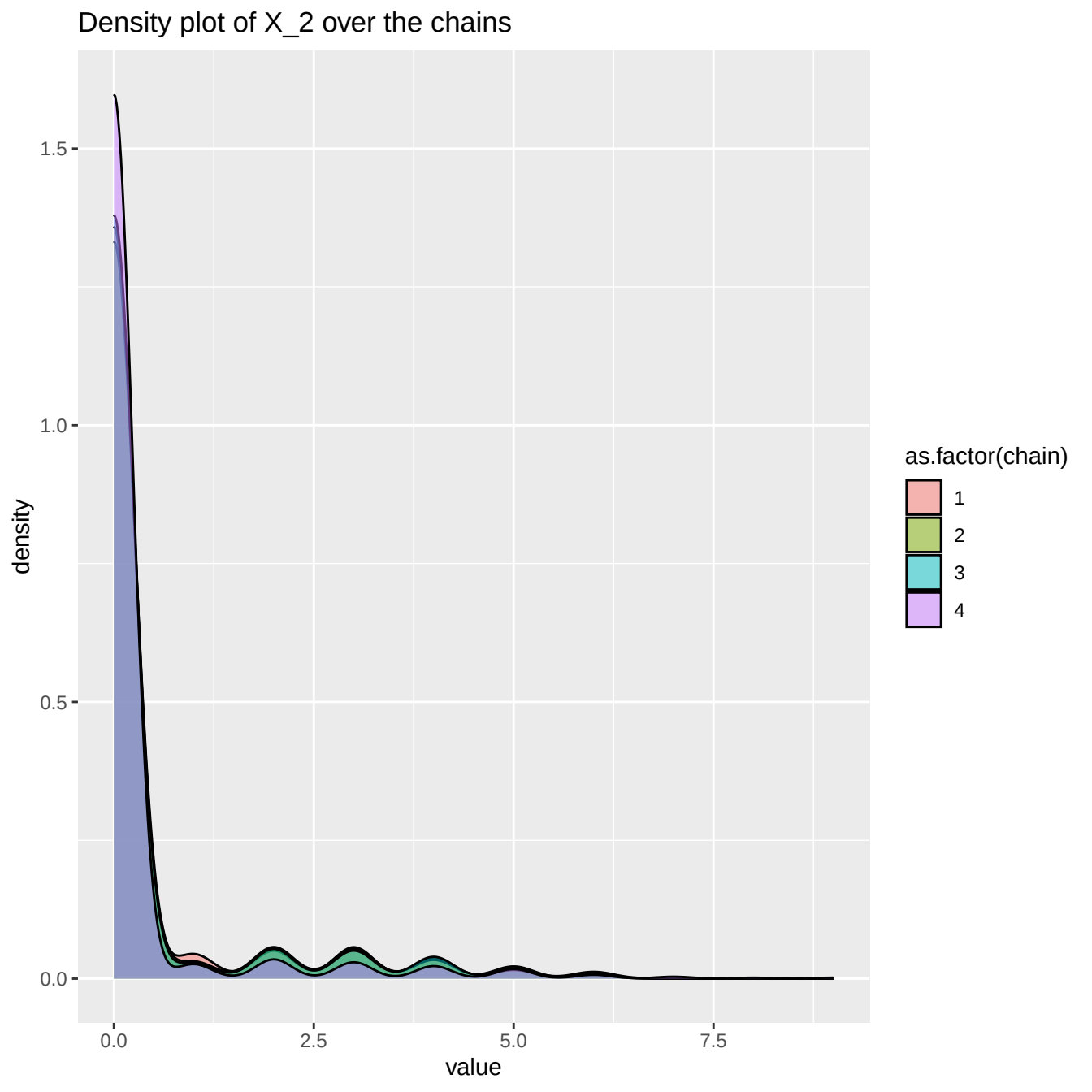
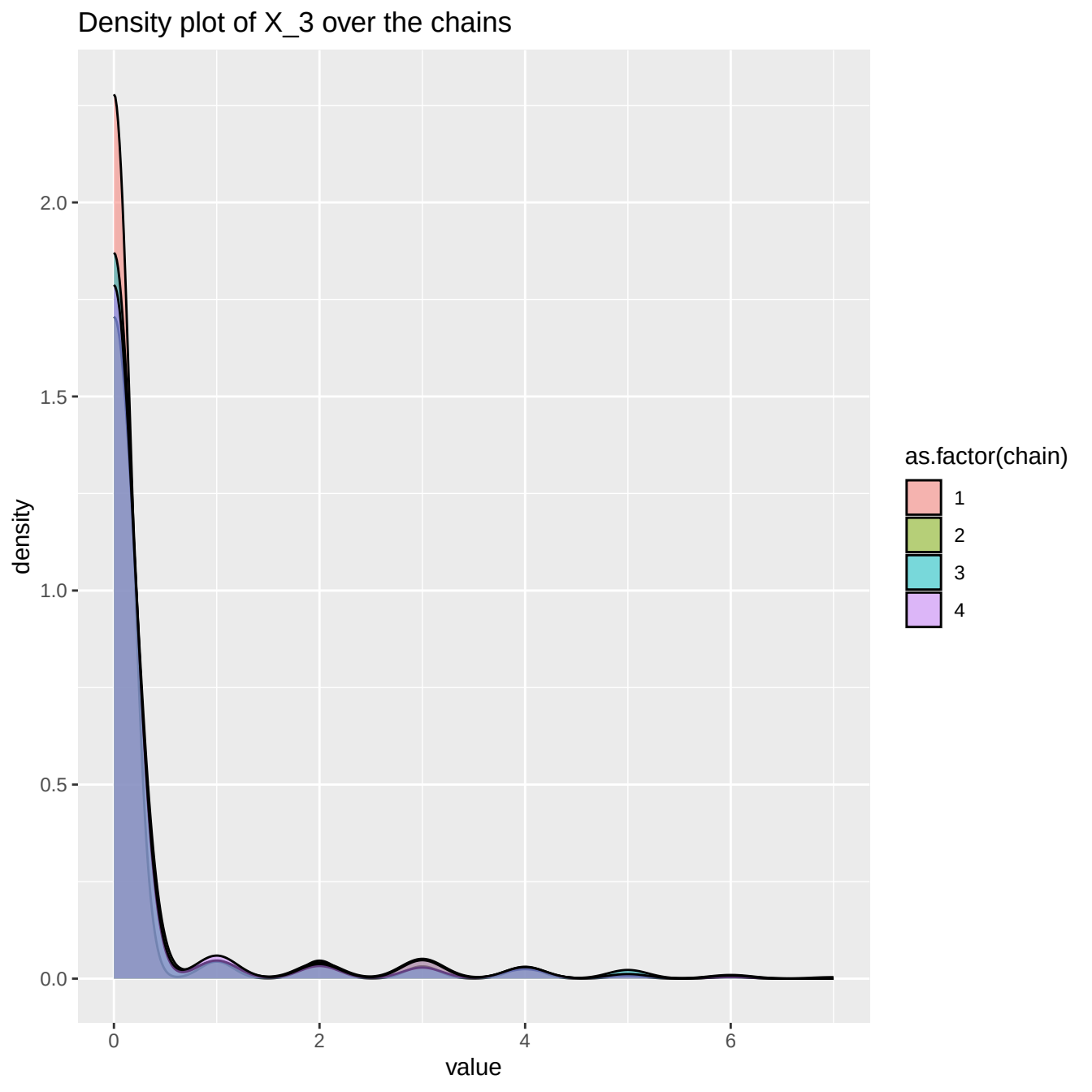
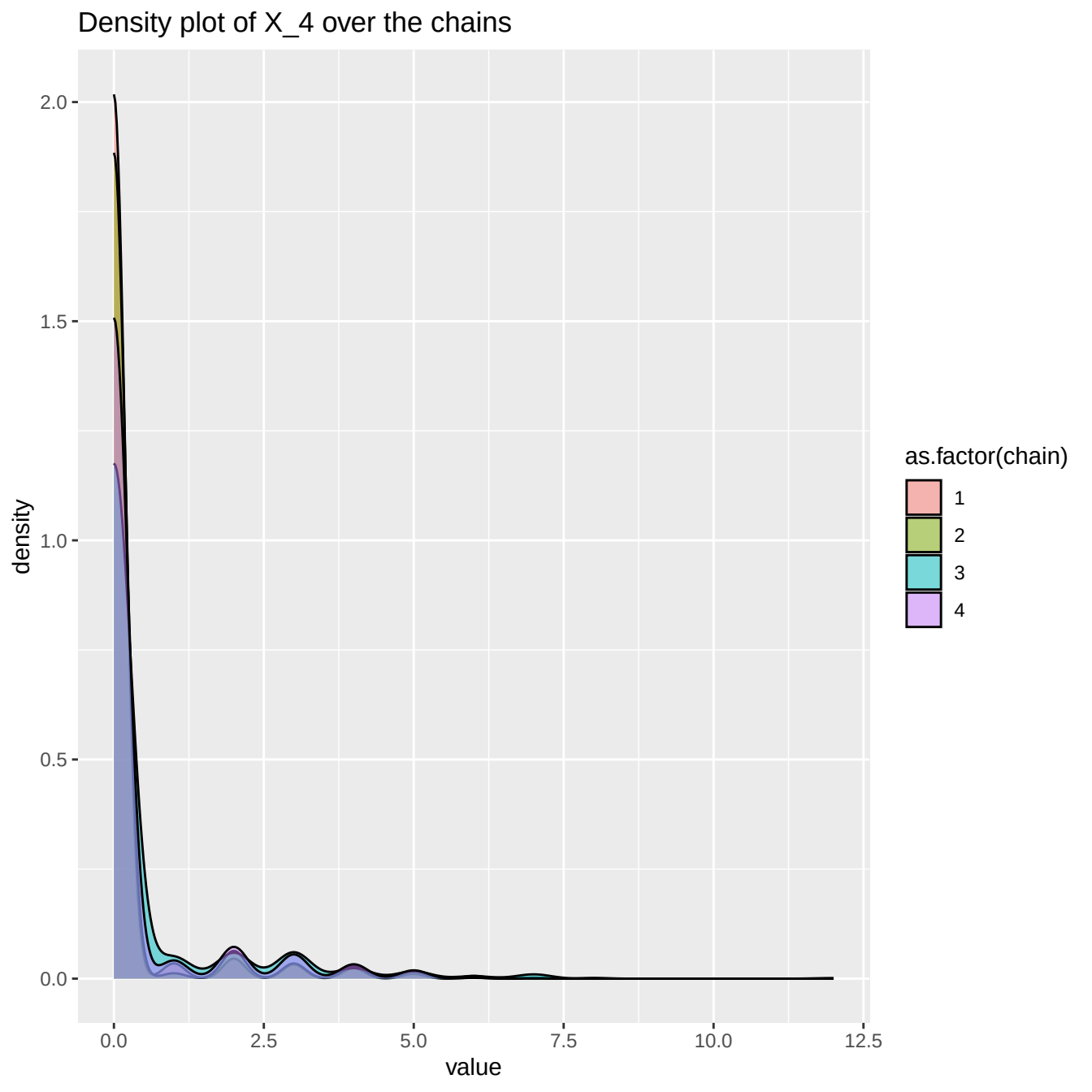
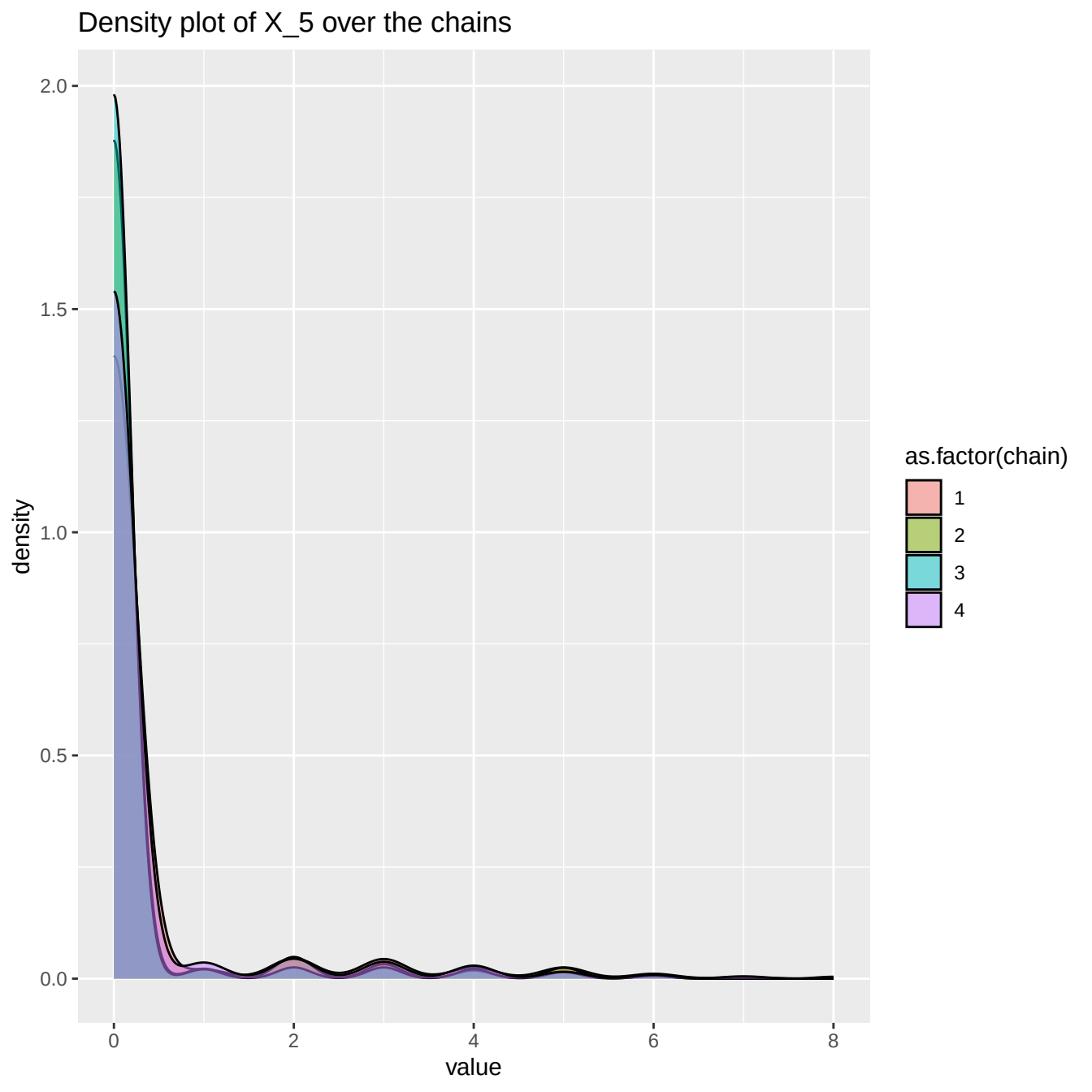
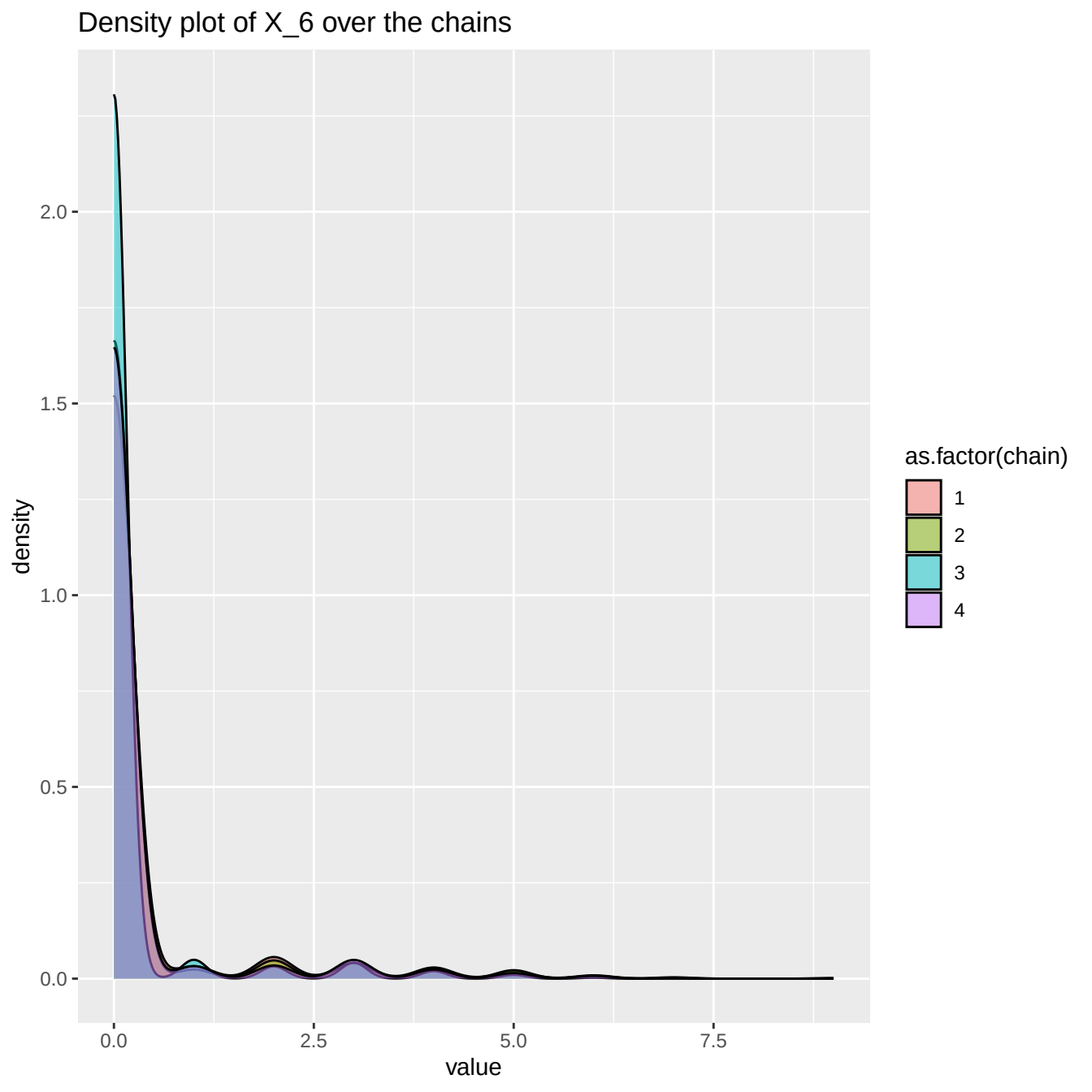

Density plot of X_1 over the chains
density
value
0
1
2
0
2
4
6
8
as.factor(chain)
1
2
3
4

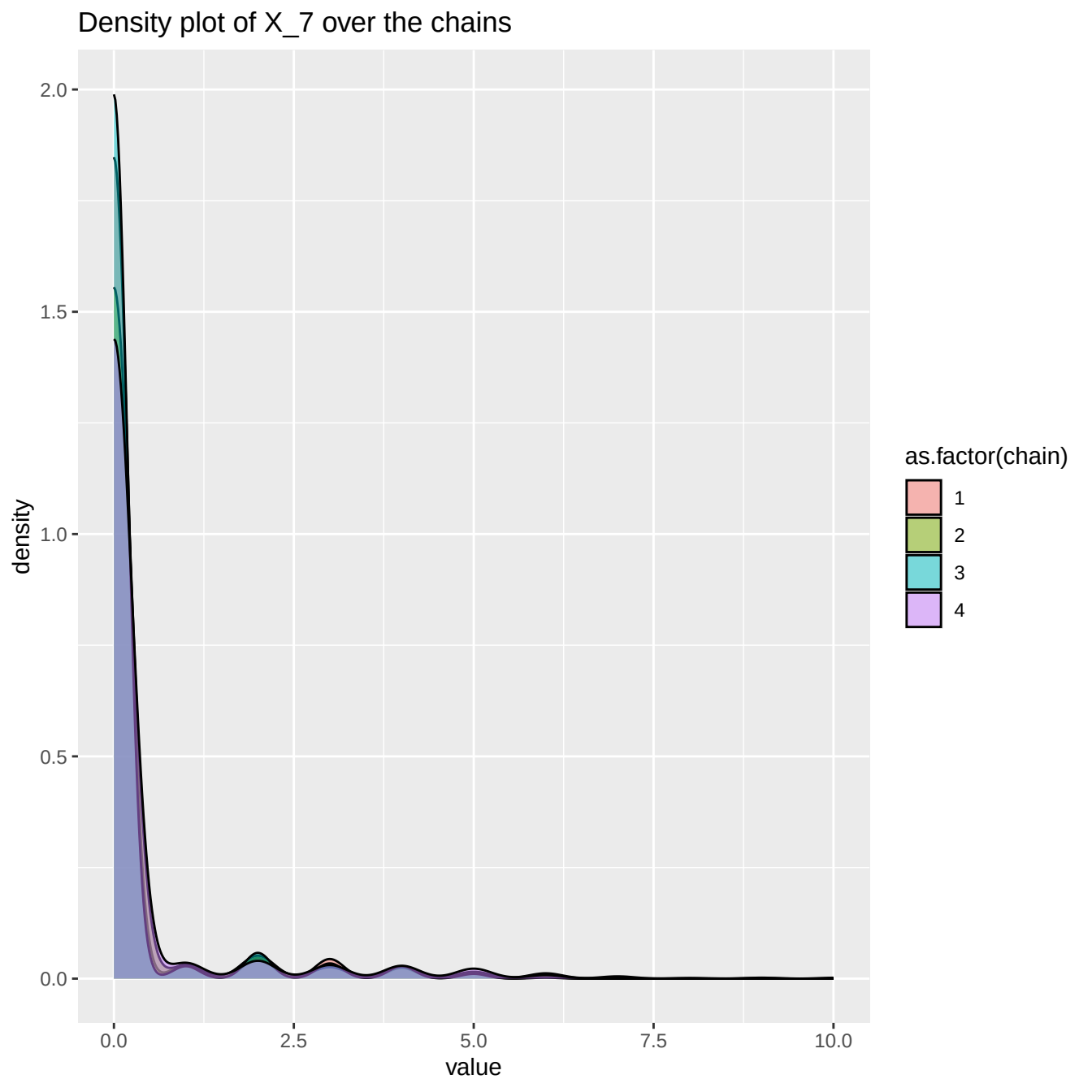

Density plot of X_2 over the chains
density
1.5
1.0
0.5
0.0
0.0
2.5
5.0
7.5
value
as.factor(chain)
1
2
3
4

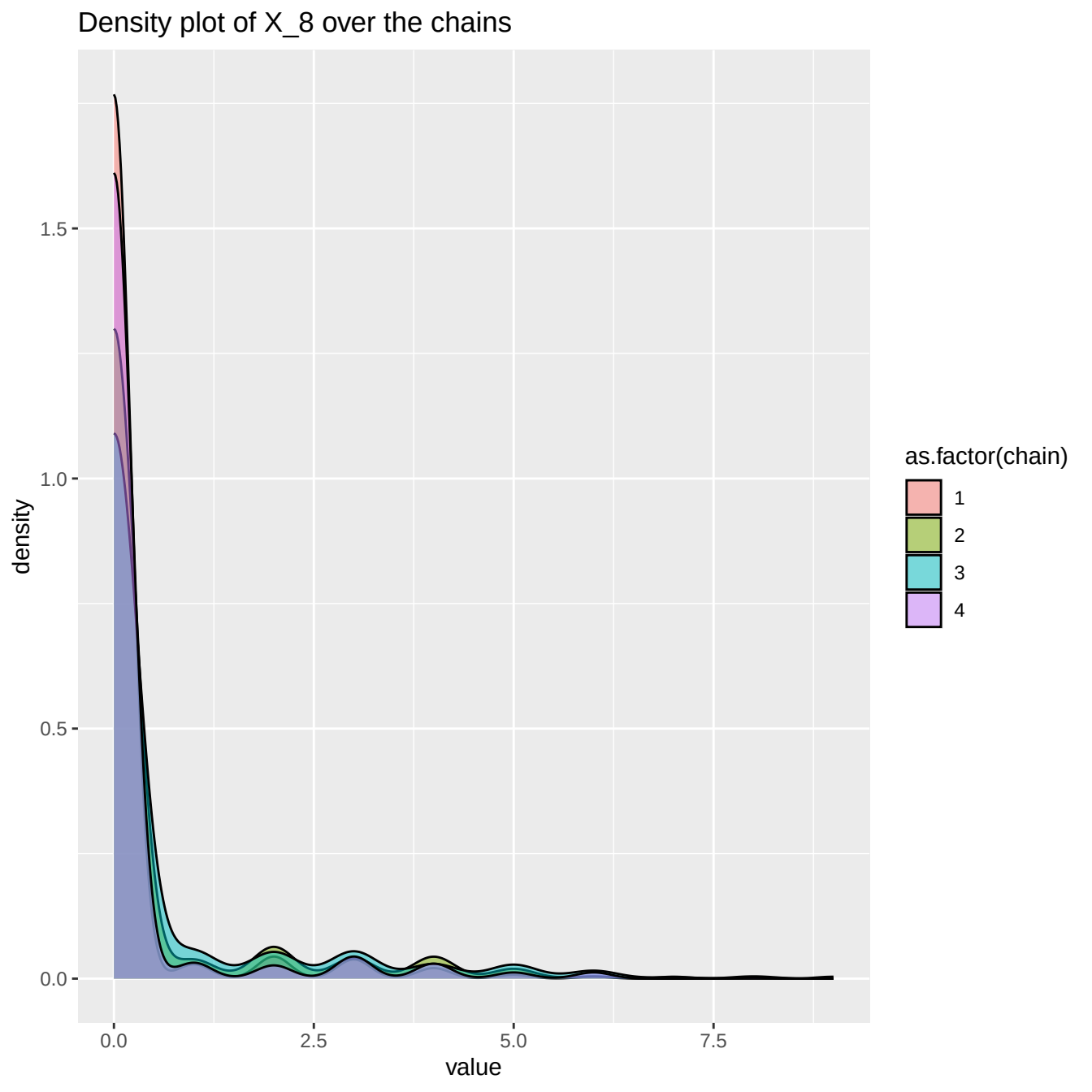

Density plot of X_3 over the chains
density
2.0
1.5
1.0
0.5
0.0
0
2
4
6
value
as.factor(chain)
1
2
3
4

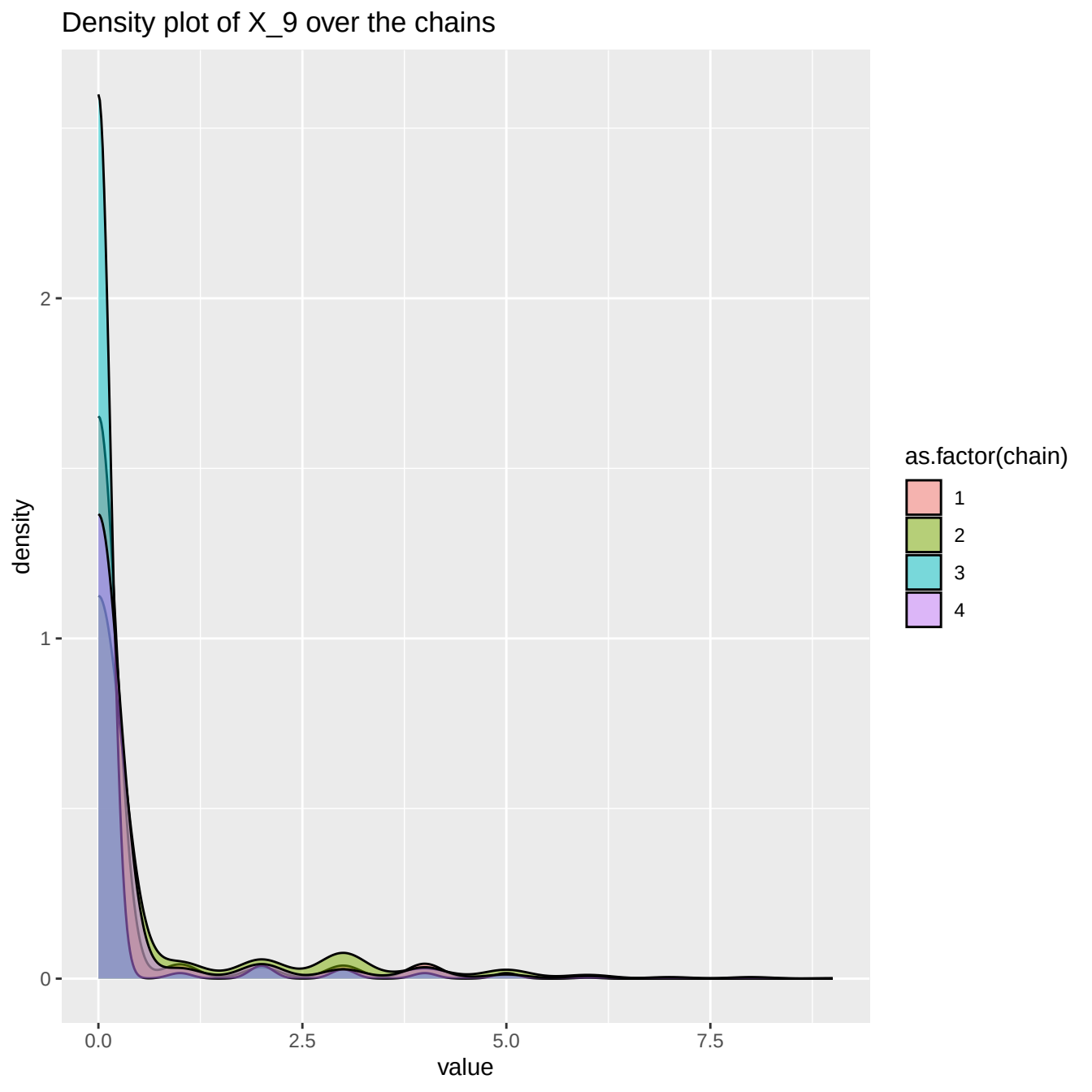

Density plot of X_4 over the chains
density
value
2.0
1.5
1.0
0.5
0.0
0.0
2.5
5.0
7.5
10.0
12.5
as.factor(chain)
1
2
3
4

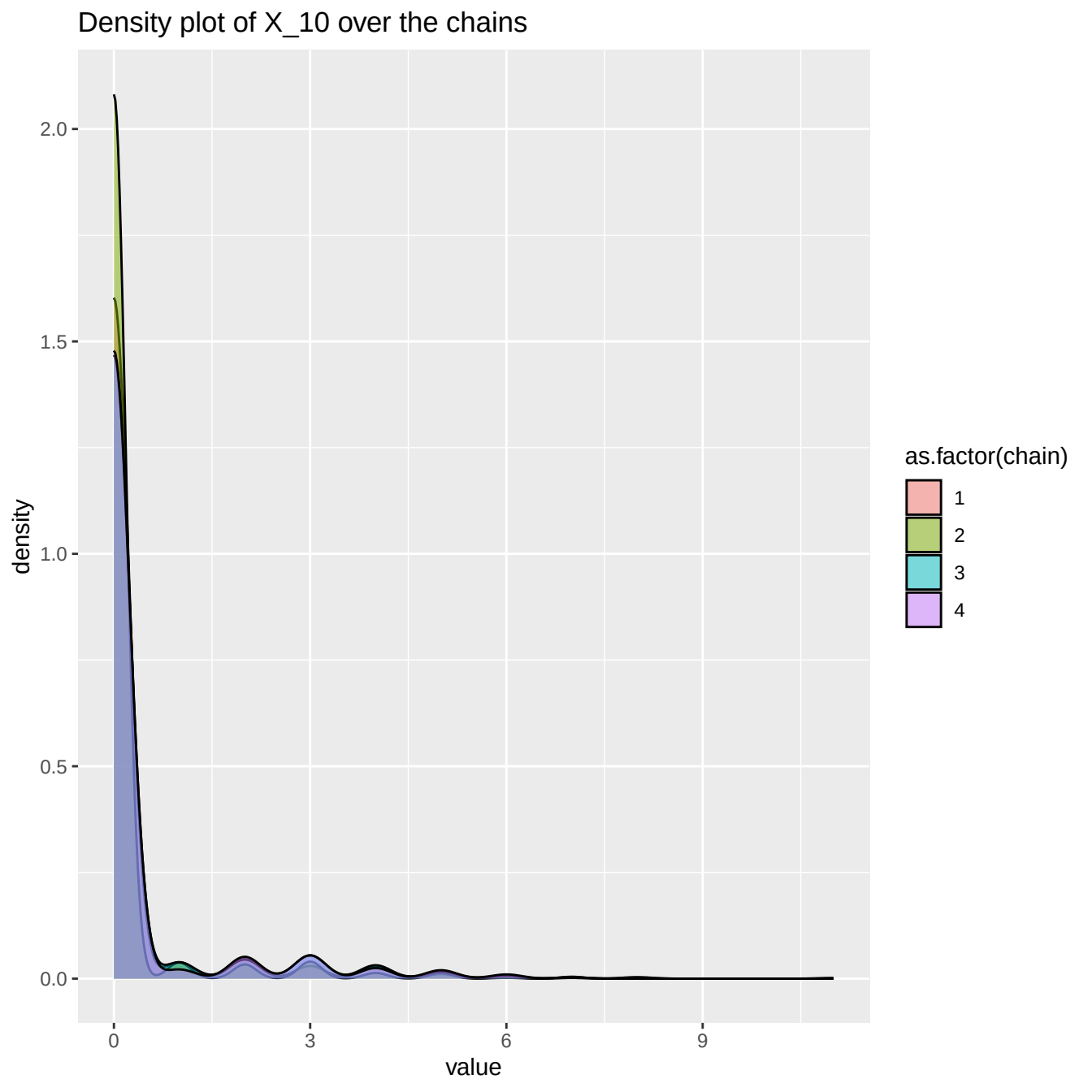

Density plot of X_5 over the chains
density
value
as.factor(chain)
1
2
3
4
0.0
0.5
1.0
1.5
2.0
0
2
4
6
8

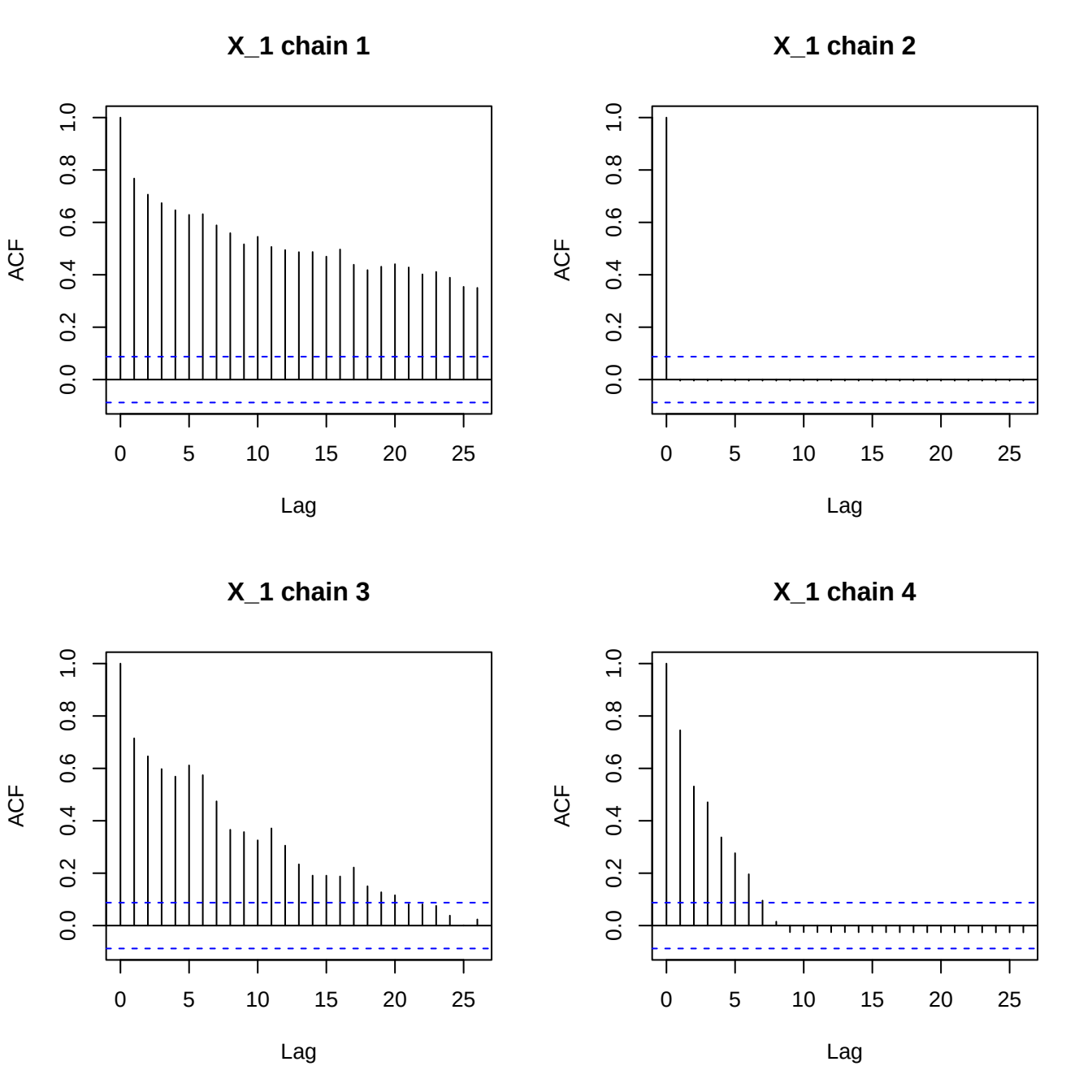

Density plot of X_6 over the chains
density
value
0.0
0.5
1.0
1.5
2.0
0.0
2.5
5.0
7.5
as.factor(chain)
1
2
3
4

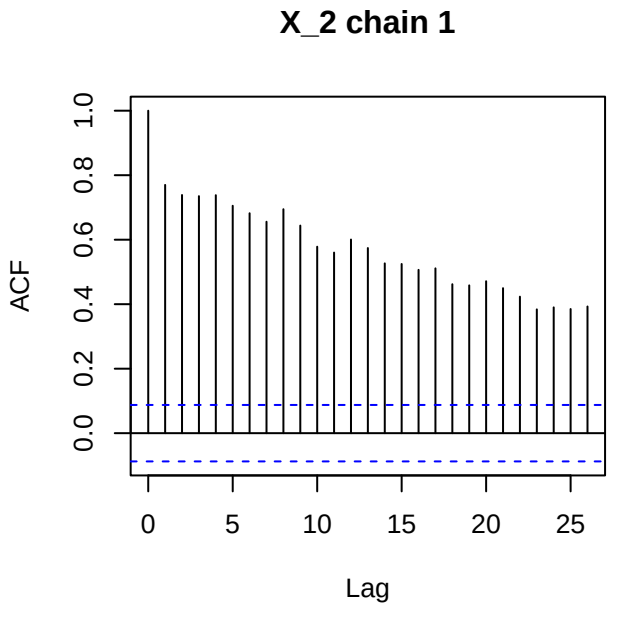

Density plot of X_7 over the chains
density
value
2.0
1.5
1.0
0.5
0.0
0.0
2.5
5.0
7.5
10.0
as.factor(chain)
1
2
3
4

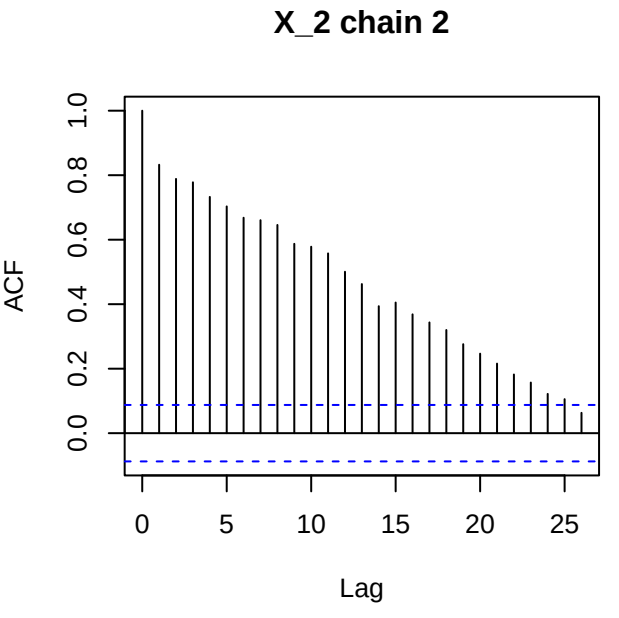

Density plot of X_8 over the chains
density
1.5
1.0
0.5
0.0
0.0
2.5
5.0
7.5
value
as.factor(chain)
1
2
3
4

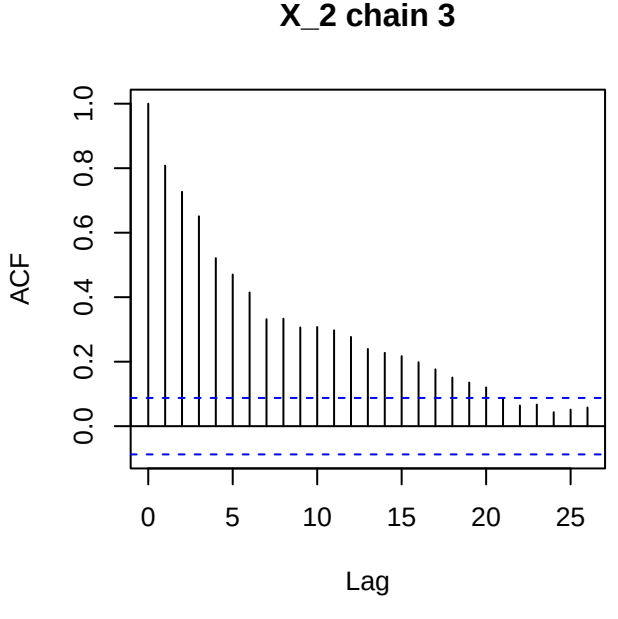

Density plot of X_9 over the chains
density
value
0
1
2
0.0
2.5
5.0
7.5
as.factor(chain)
1
2
3
4

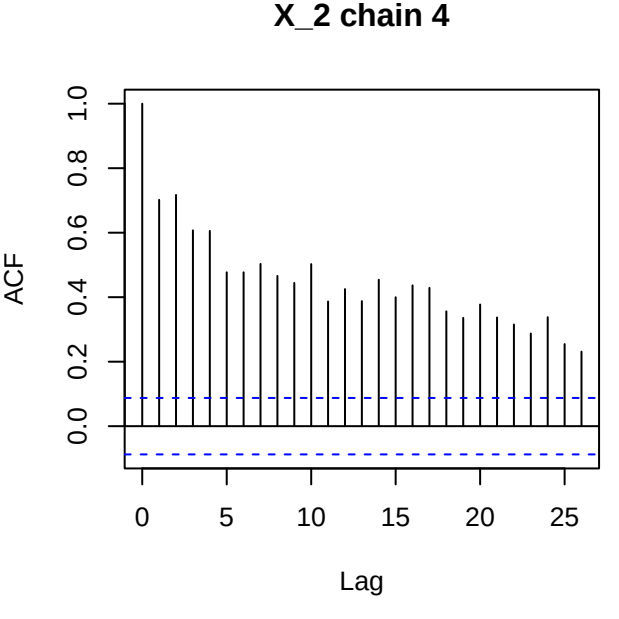

Density plot of X_10 over the chains
density
2.0
1.5
1.0
0.5
0.0
0
3
6
9
value
as.factor(chain)
1
2
3
4

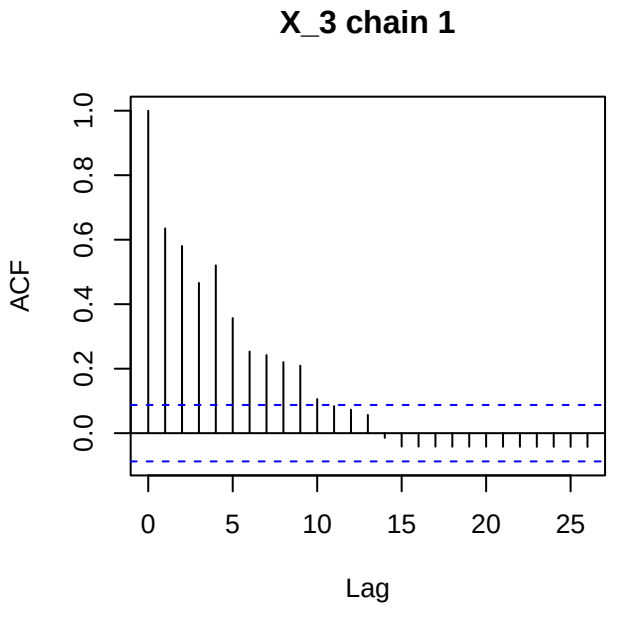

X_1 chain 1
X_1 chain 2
X_1 chain 3
X_1 chain 4
ACF
Lag
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25

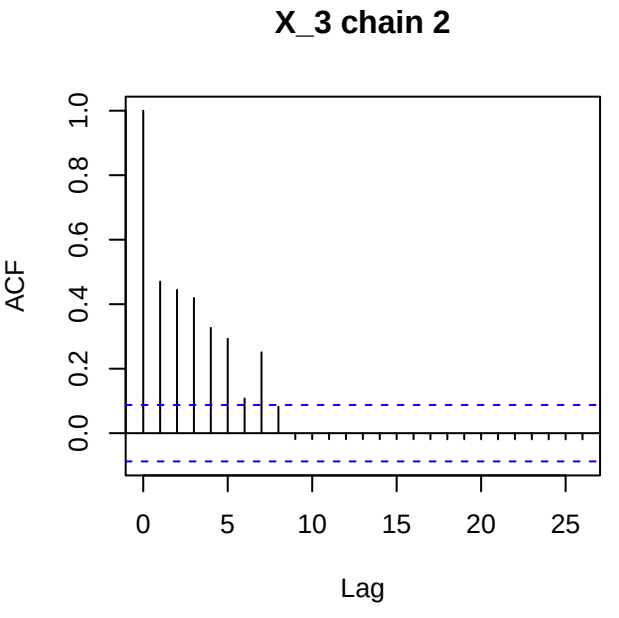

X_2 chain 1
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

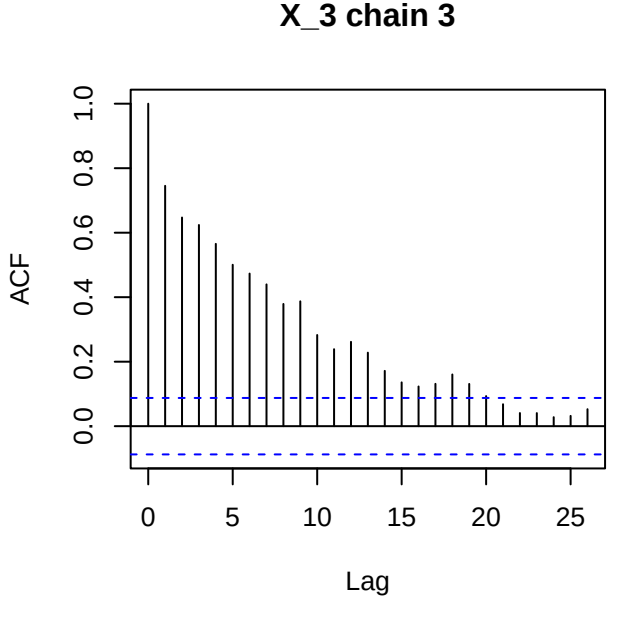

X_2 chain 2
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

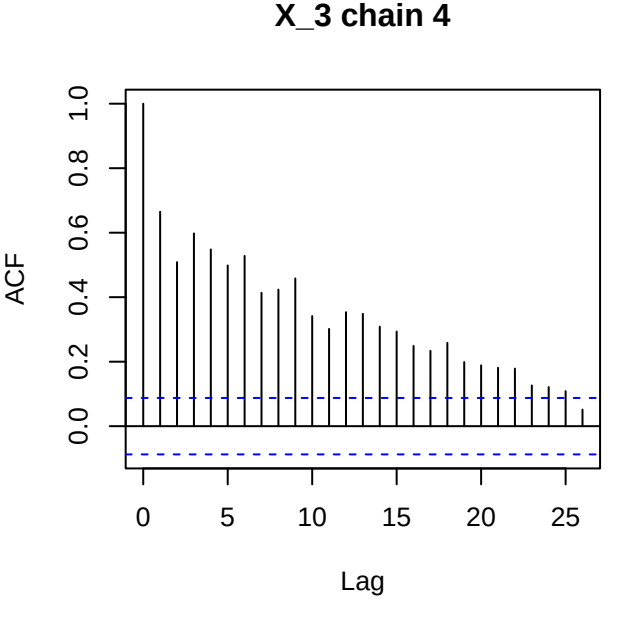

X_2 chain 3
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

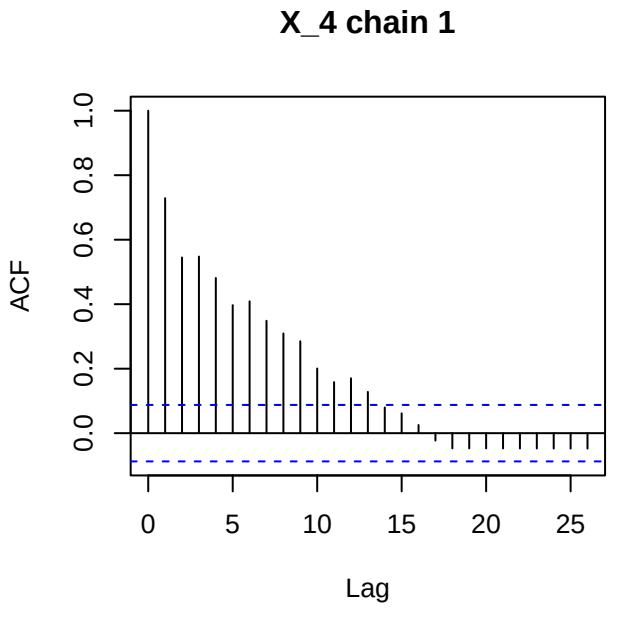

X_2 chain 4
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

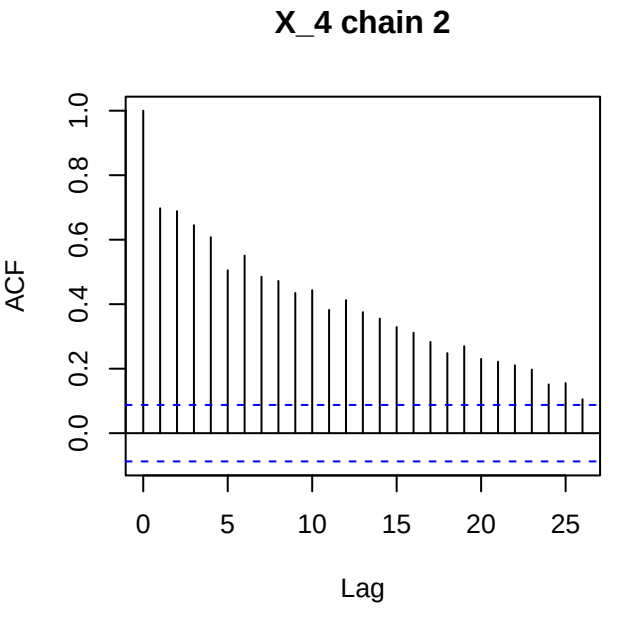

X_3 chain 1
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

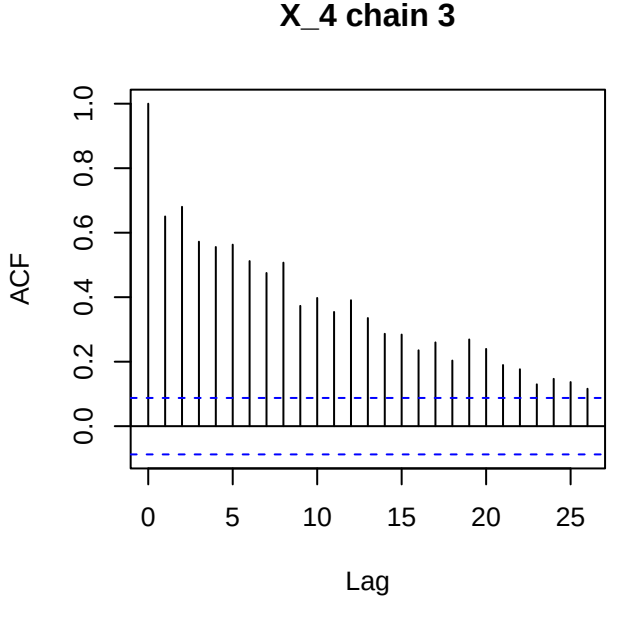

X_3 chain 2
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

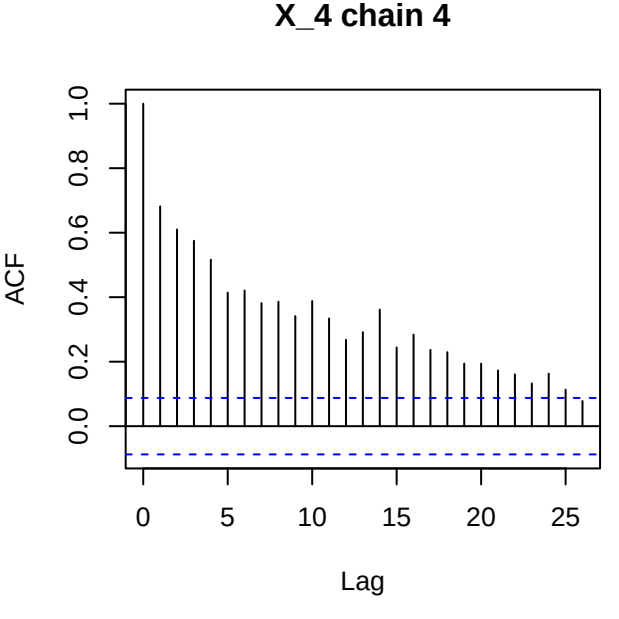

X_3 chain 3
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

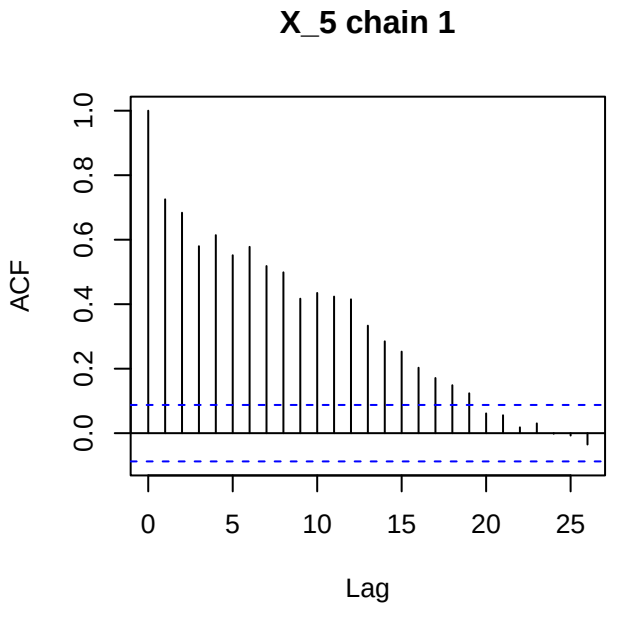

X_3 chain 4
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

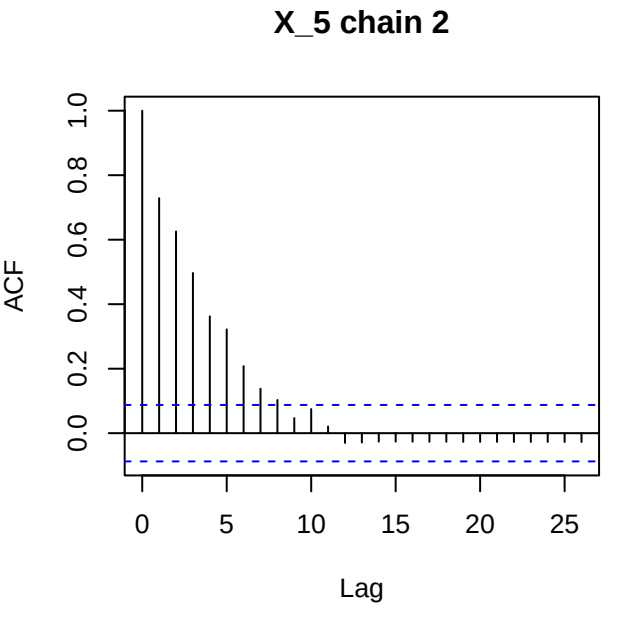

X_4 chain 1
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_4 chain 2
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_4 chain 3
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_4 chain 4
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_5 chain 1
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_5 chain 2
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
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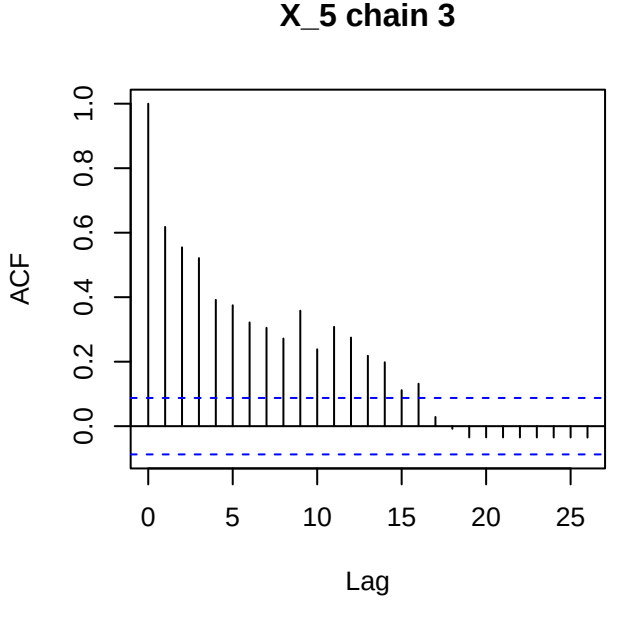
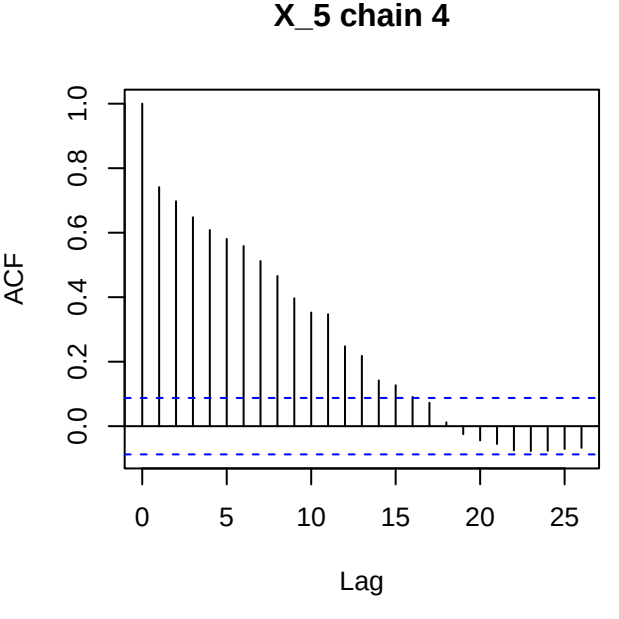
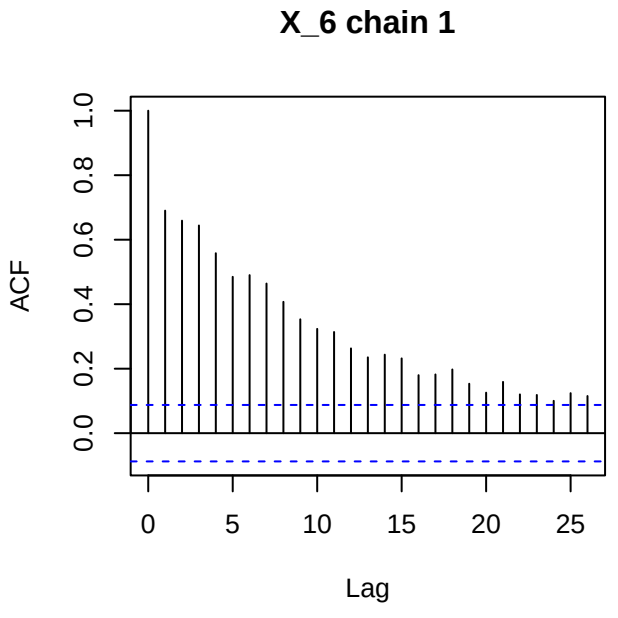
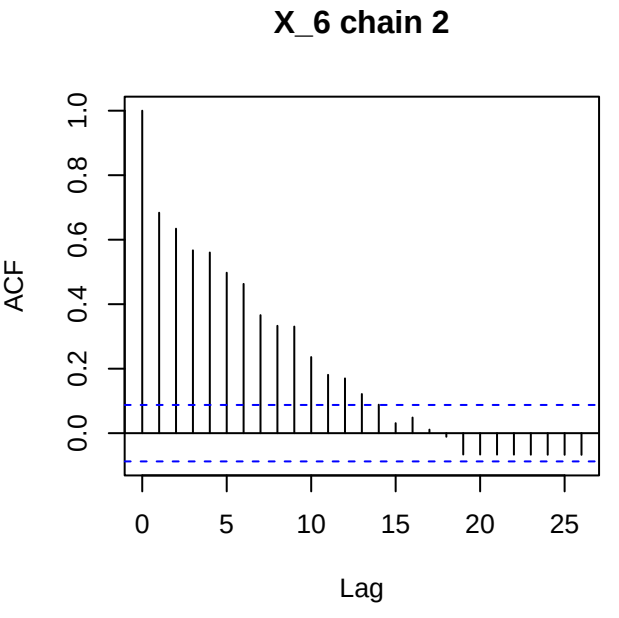
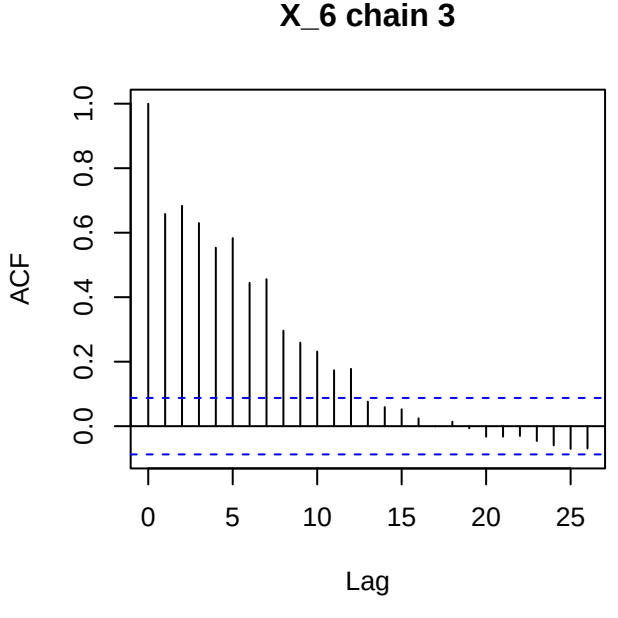
10
15
20
25
Lag

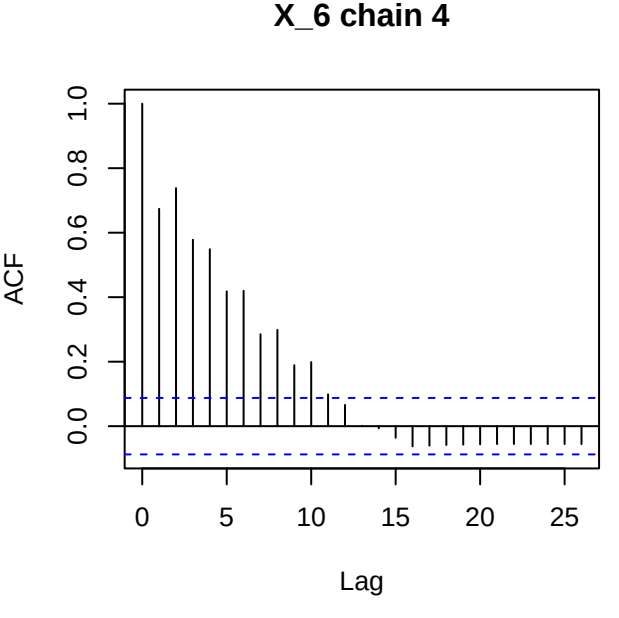

X_5 chain 3
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

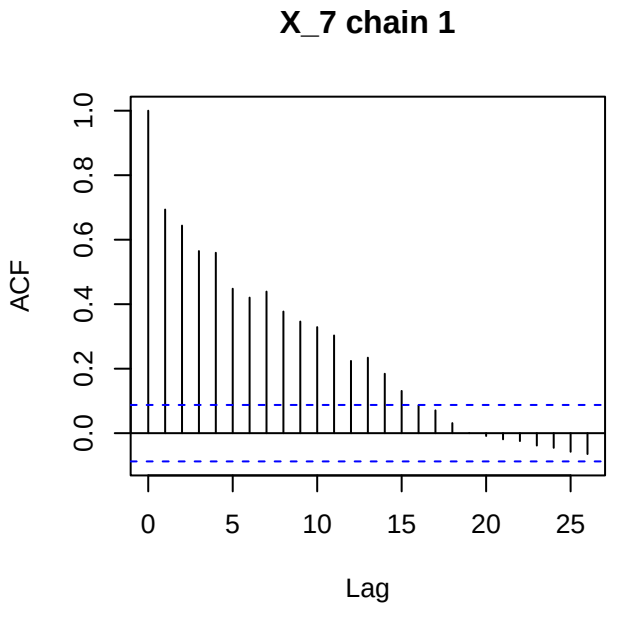

X_5 chain 4
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

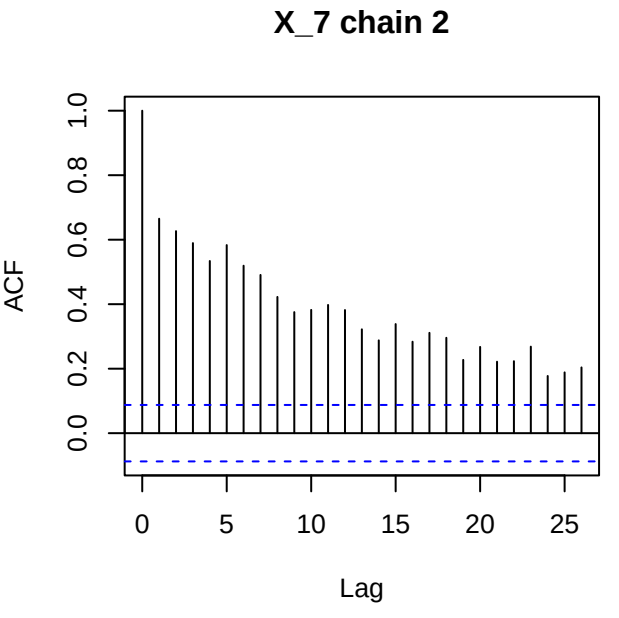

X_6 chain 1
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

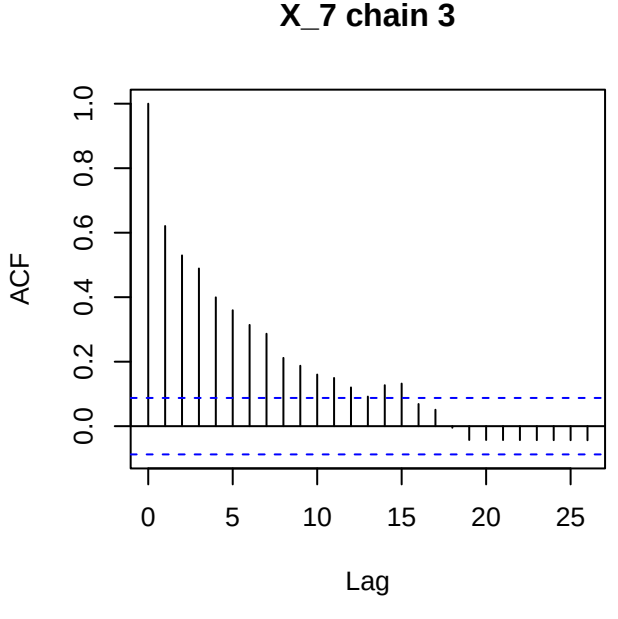

X_6 chain 2
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

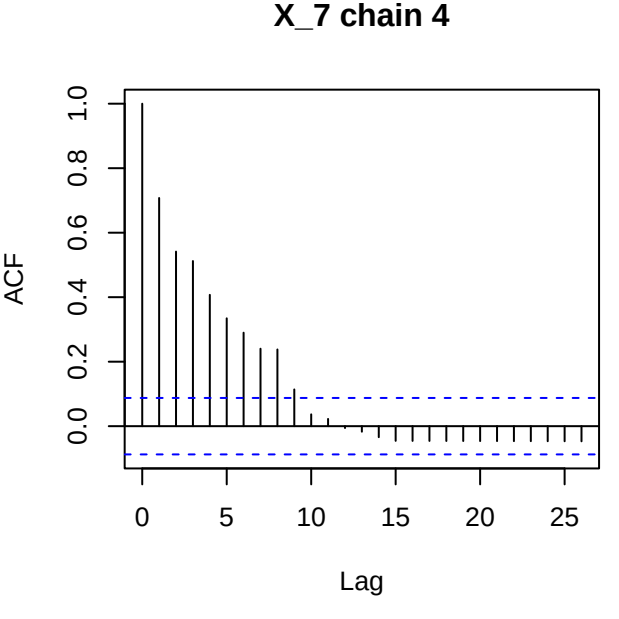

X_6 chain 3
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

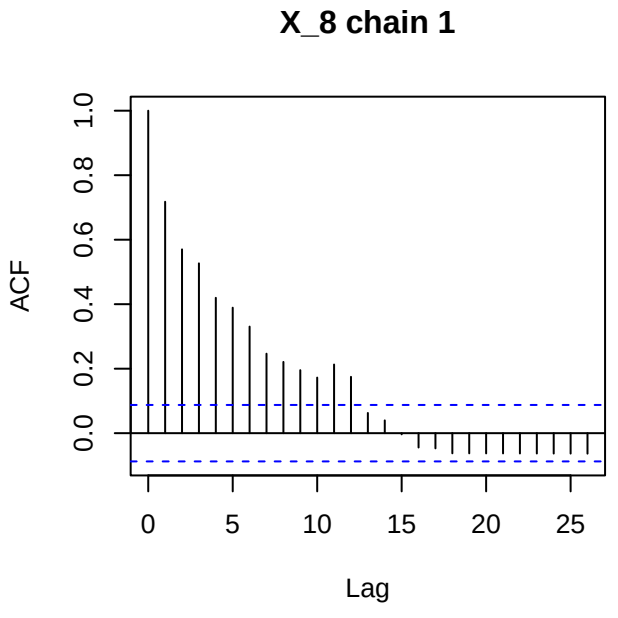

X_6 chain 4
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

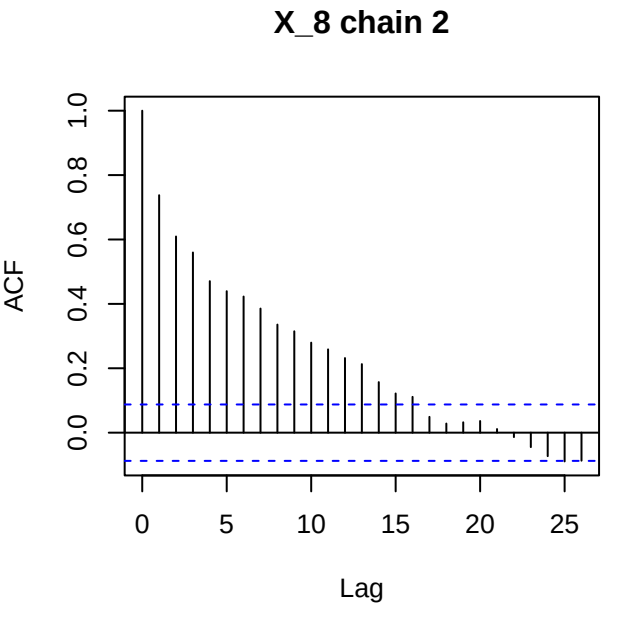

X_7 chain 1
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

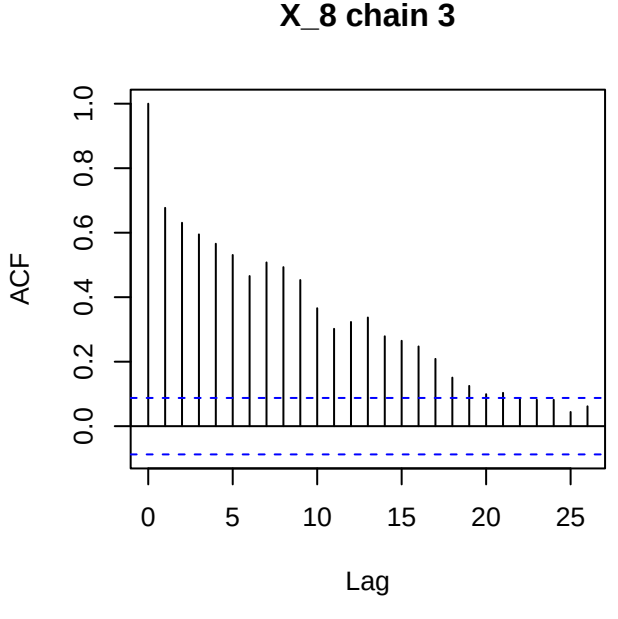

X_7 chain 2
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

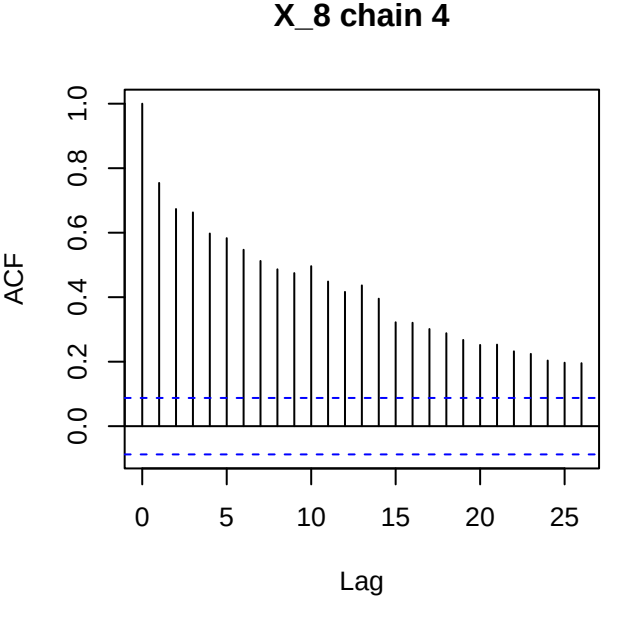

X_7 chain 3
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

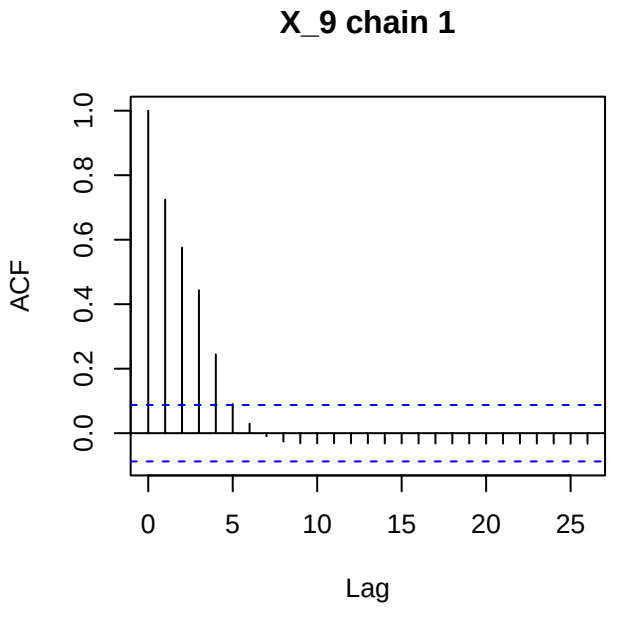

X_7 chain 4
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag

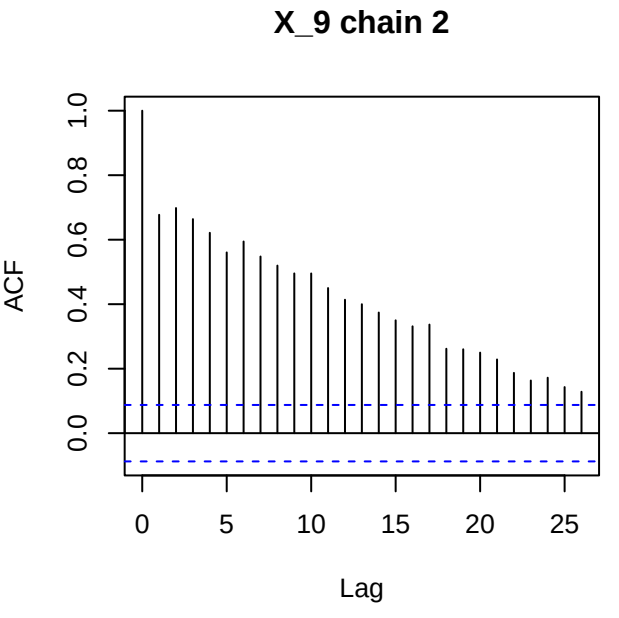

X_8 chain 1
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_8 chain 2
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_8 chain 3
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_8 chain 4
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_9 chain 1
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_9 chain 2
ACF
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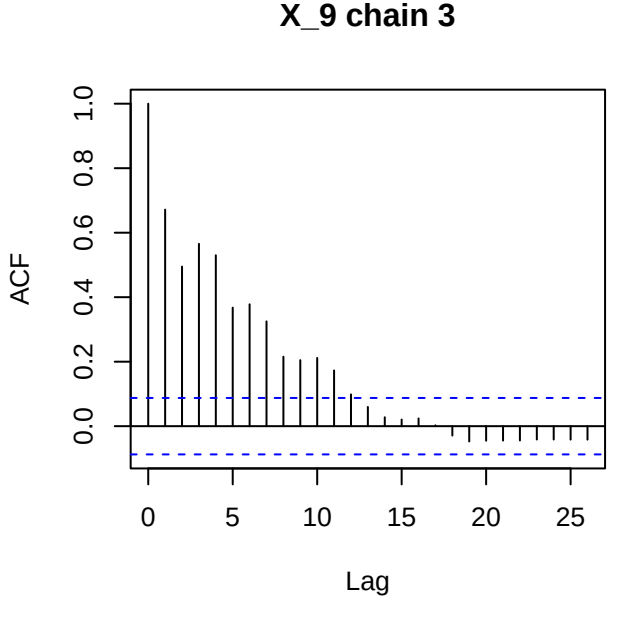
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_9 chain 3
ACF
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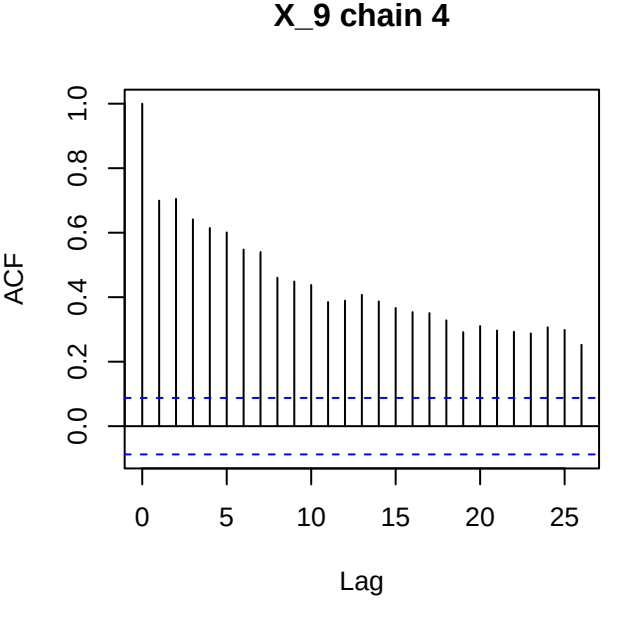
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_9 chain 4
ACF
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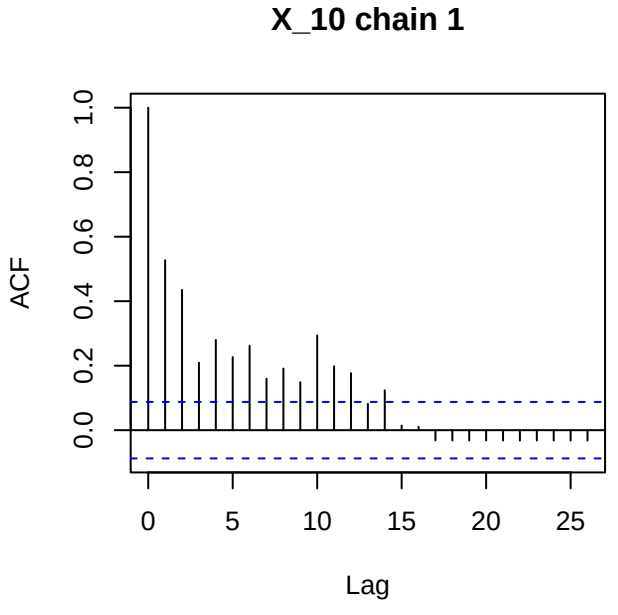
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_10 chain 1
ACF
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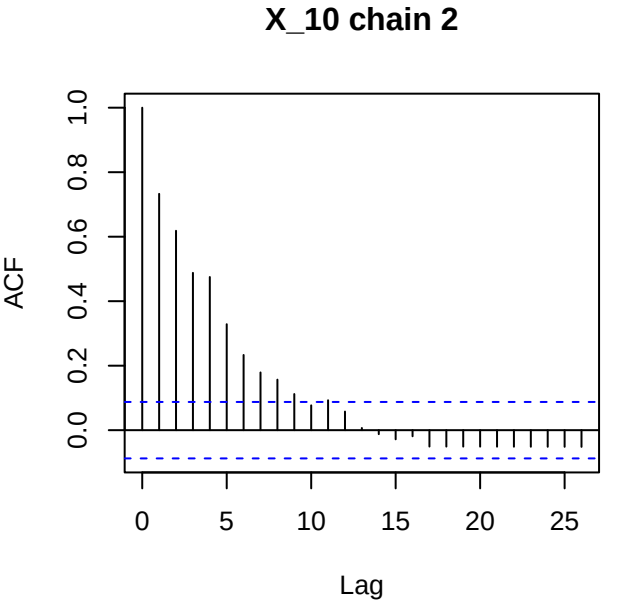
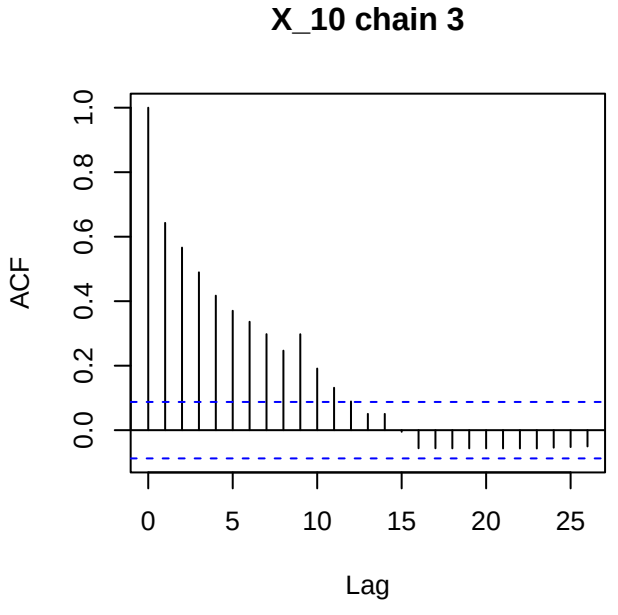
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_10 chain 2
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
5
10
15
20
25
Lag


X_10 chain 3
ACF
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0.4
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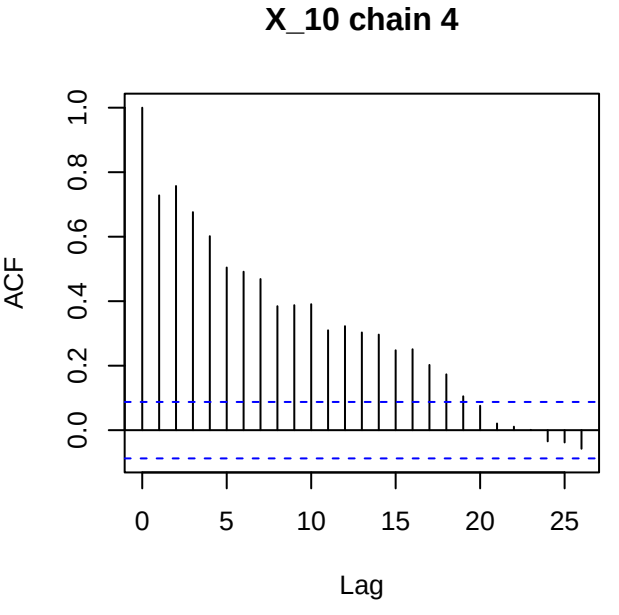
15
20
25
Lag


X_10 chain 4
ACF
0.0
0.2
0.4
0.6
0.8
1.0
0
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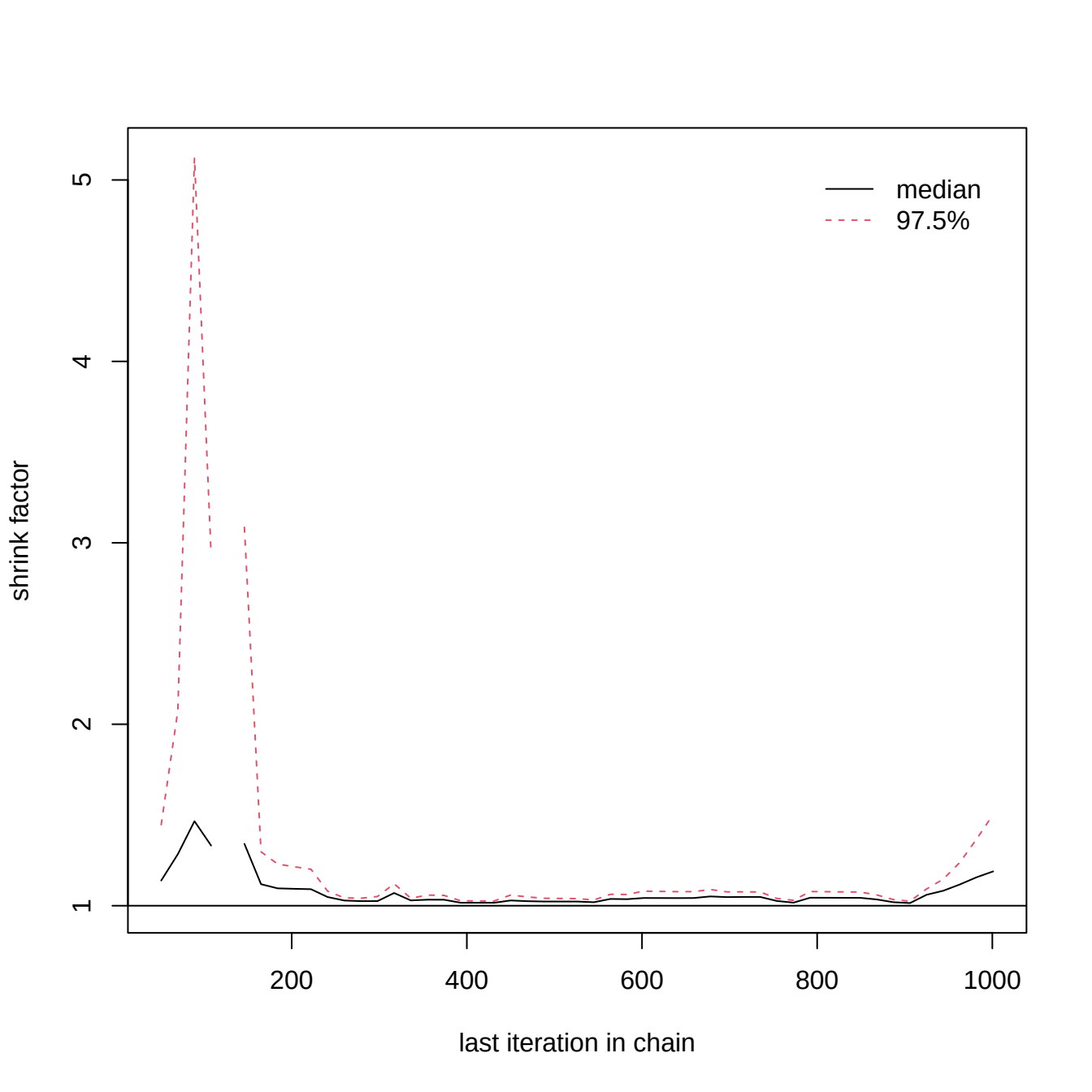
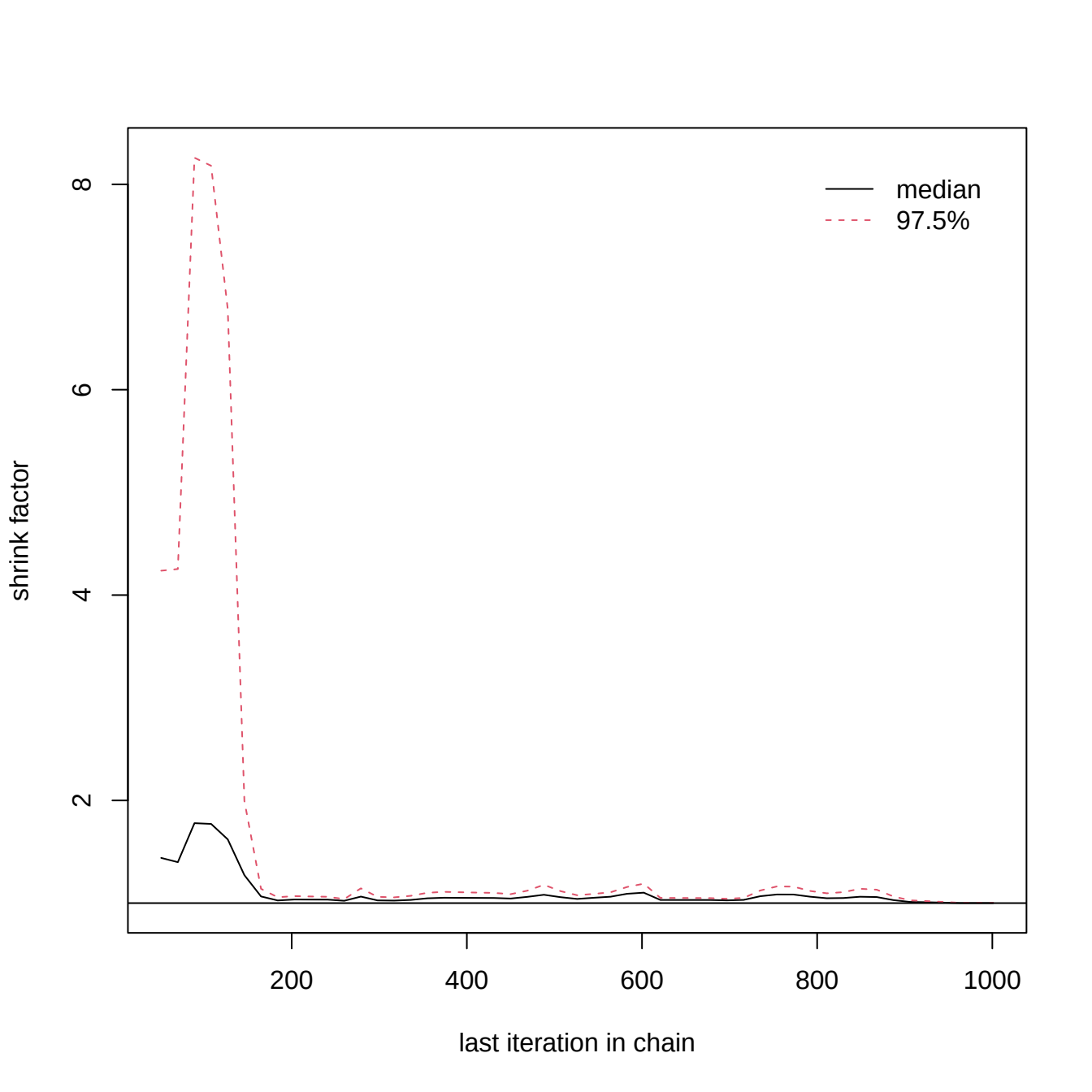
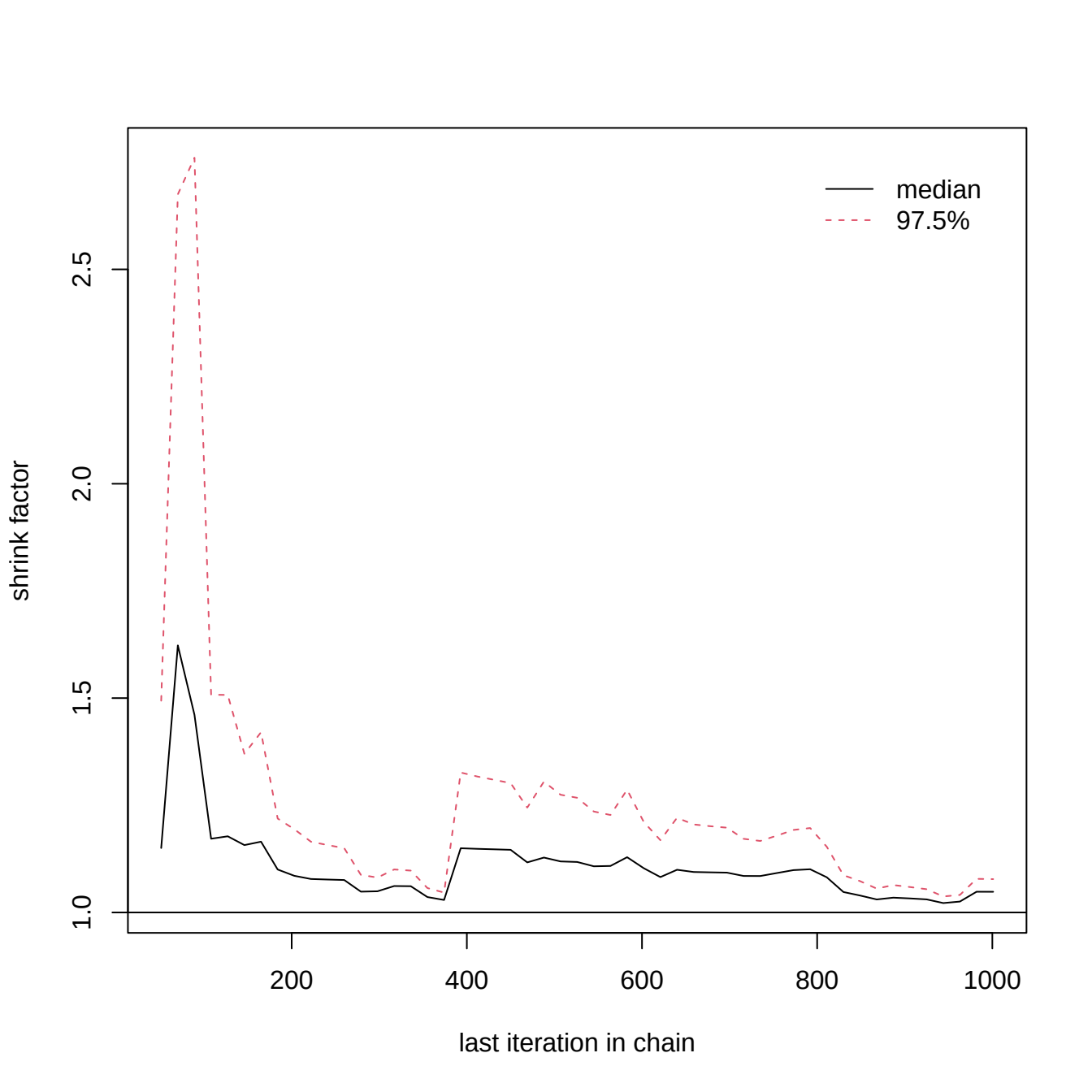
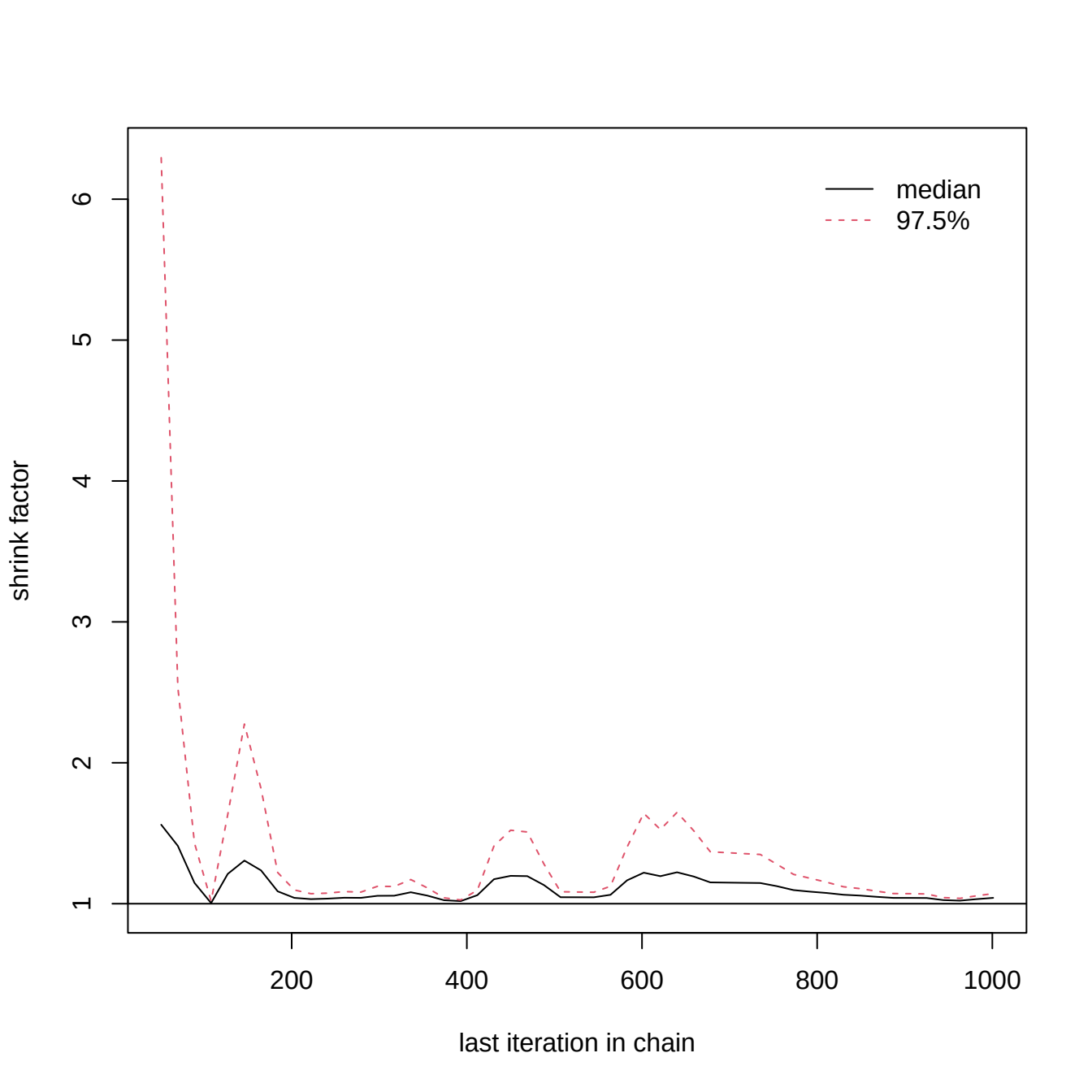
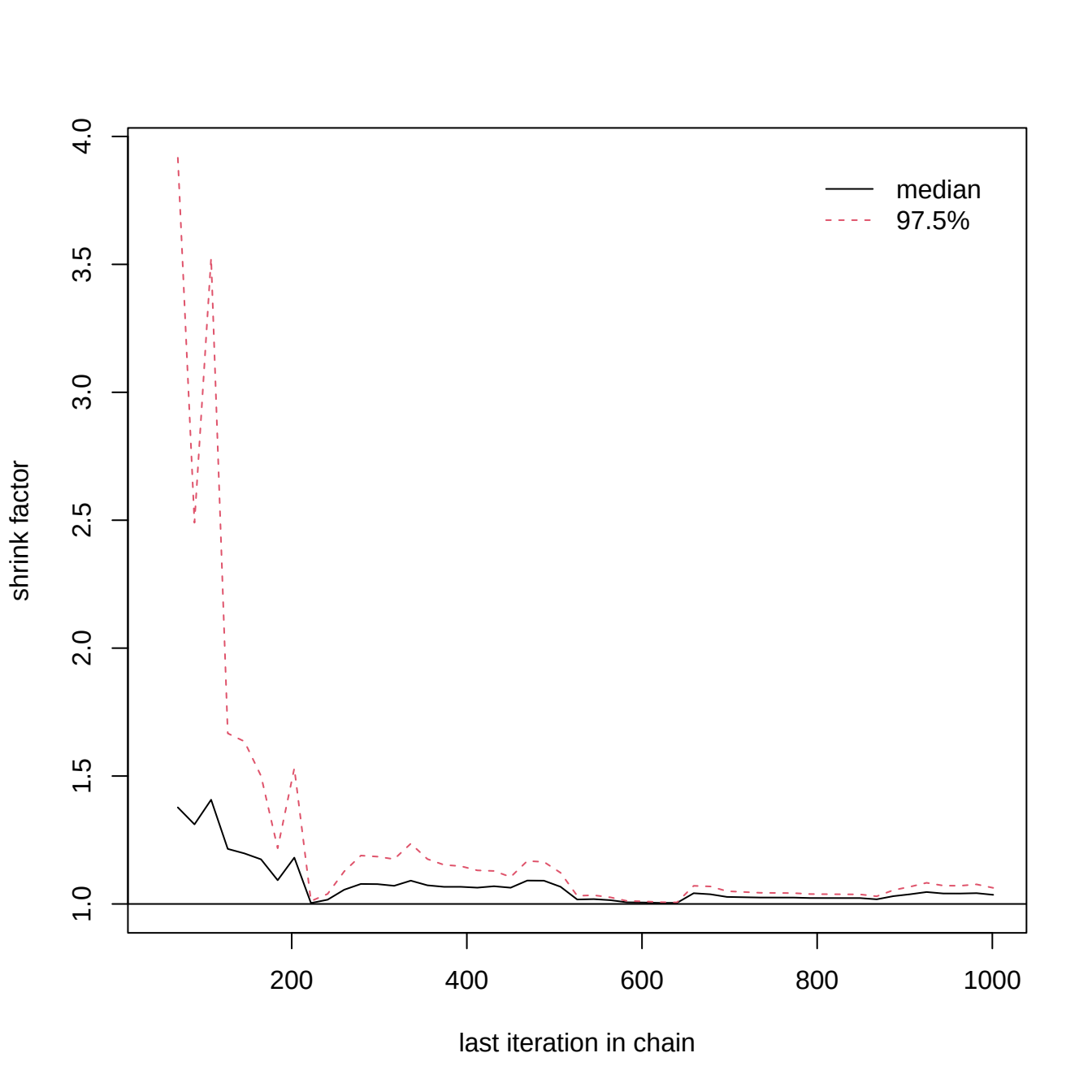
10
15
20
25
Lag

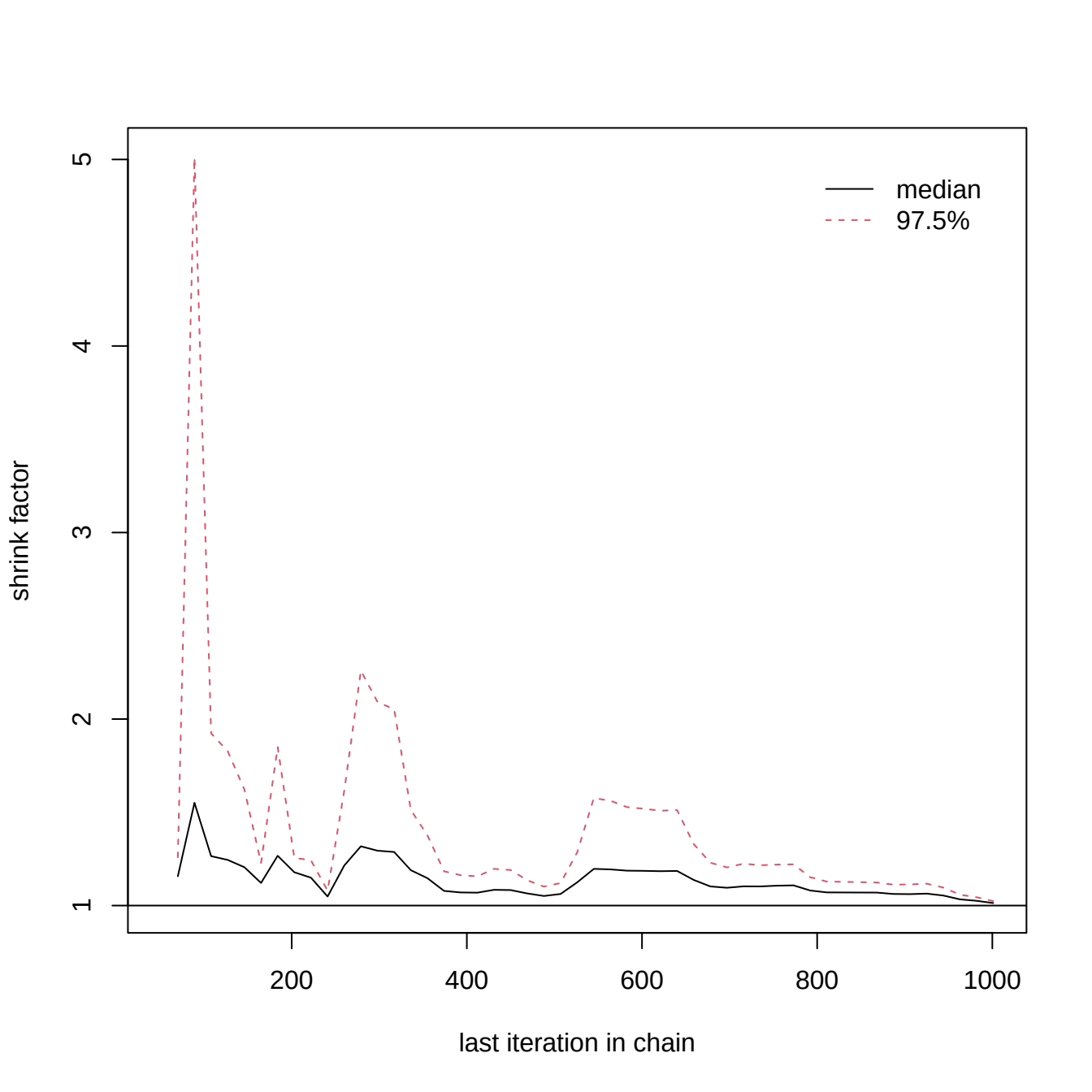

median
97.5%
shrink factor
1
2
3
4
5
200
400
600
800
1000
last iteration in chain

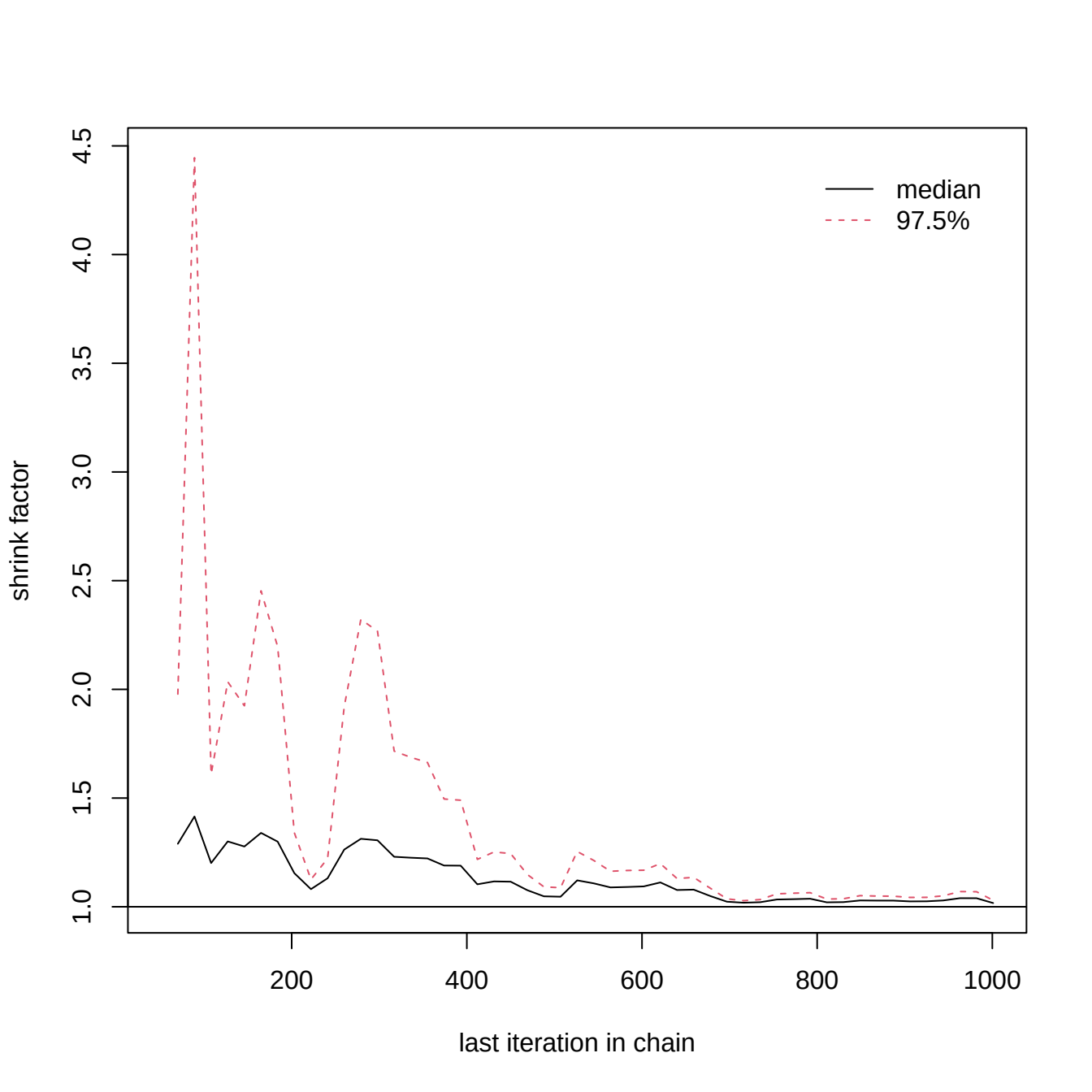

median
97.5%
shrink factor
2
4
6
8
200
400
600
800
1000
last iteration in chain

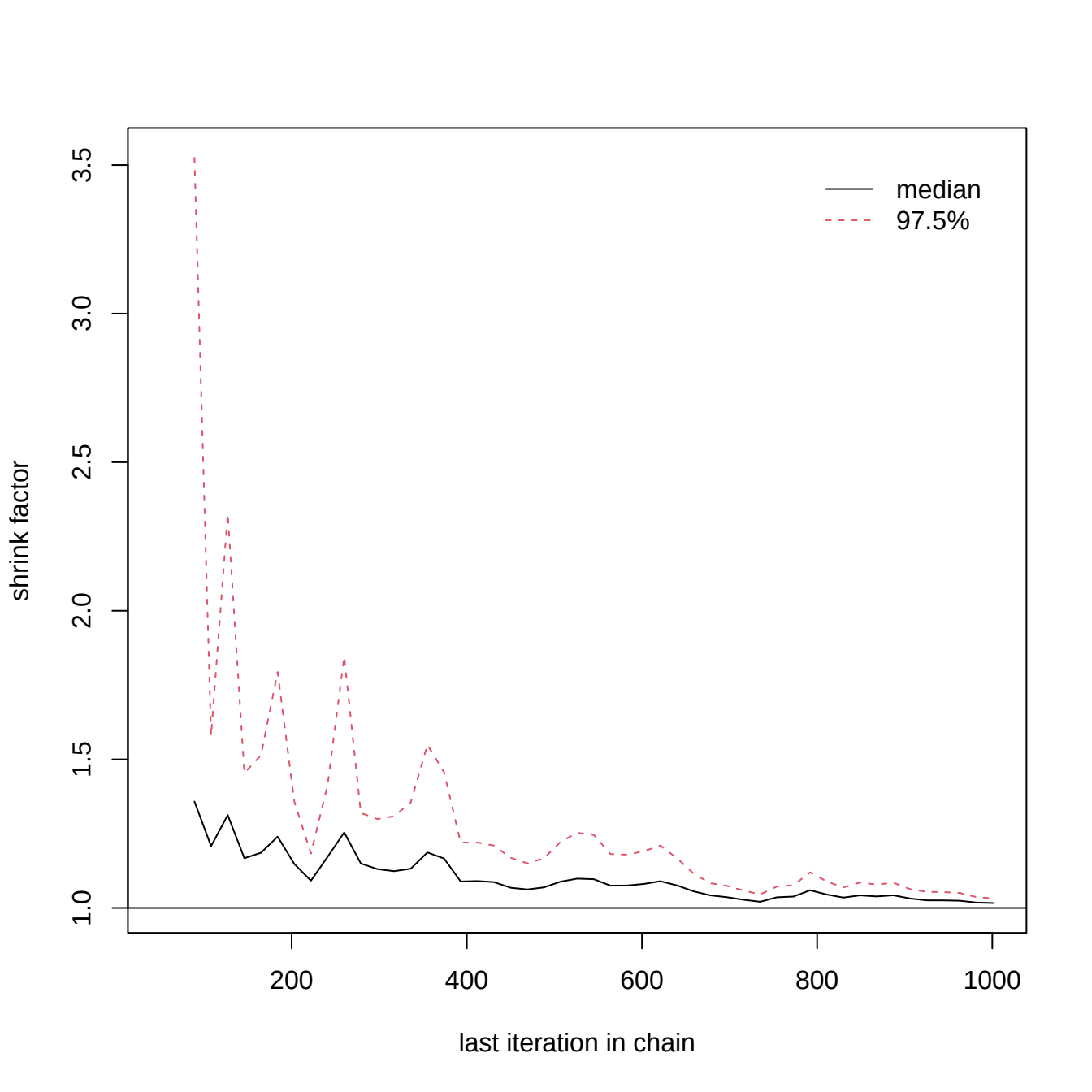

median
97.5%
shrink factor
1.0
1.5
2.0
2.5
200
400
600
800
1000
last iteration in chain

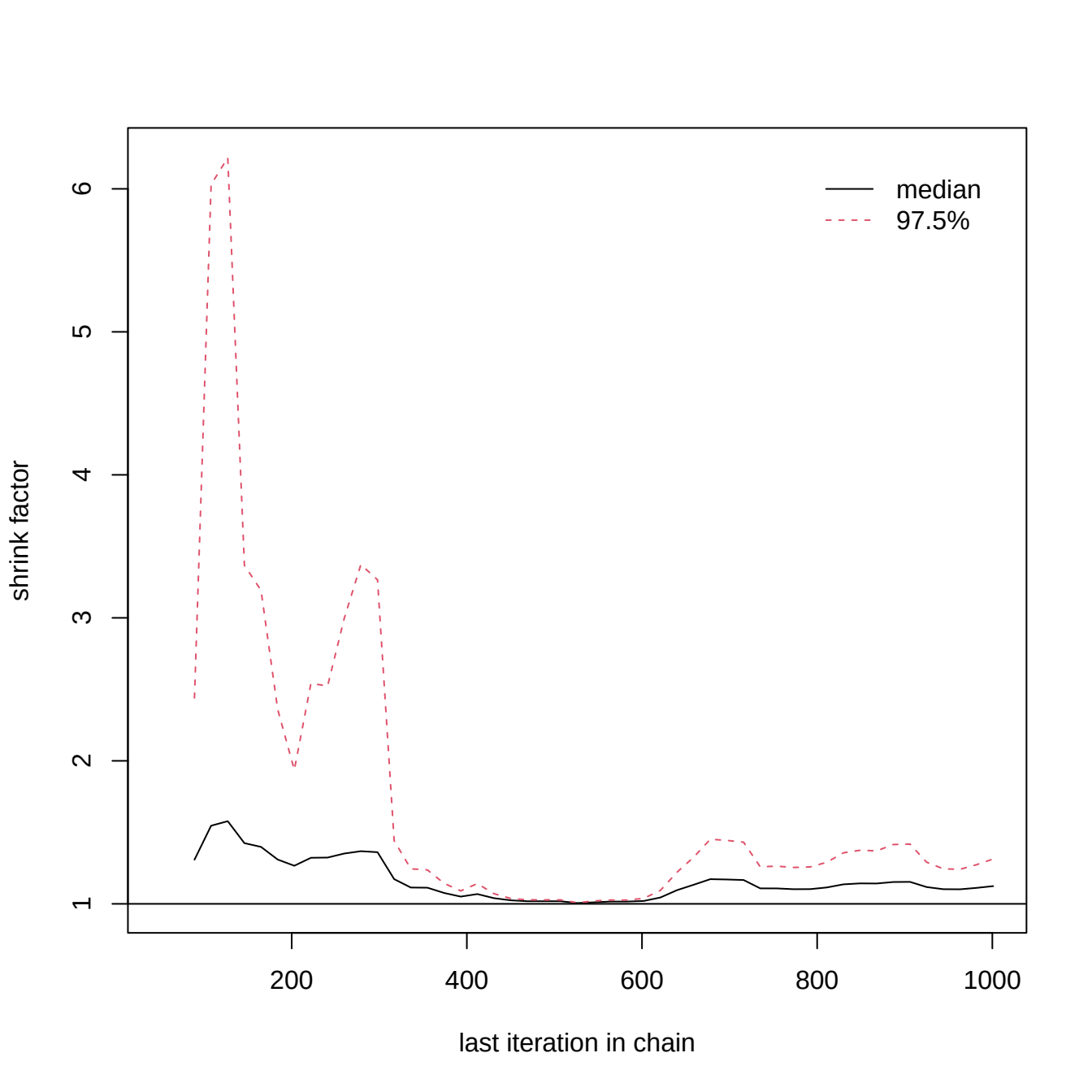

median
97.5%
shrink factor
1
2
3
4
5
6
200
400
600
800
1000
last iteration in chain

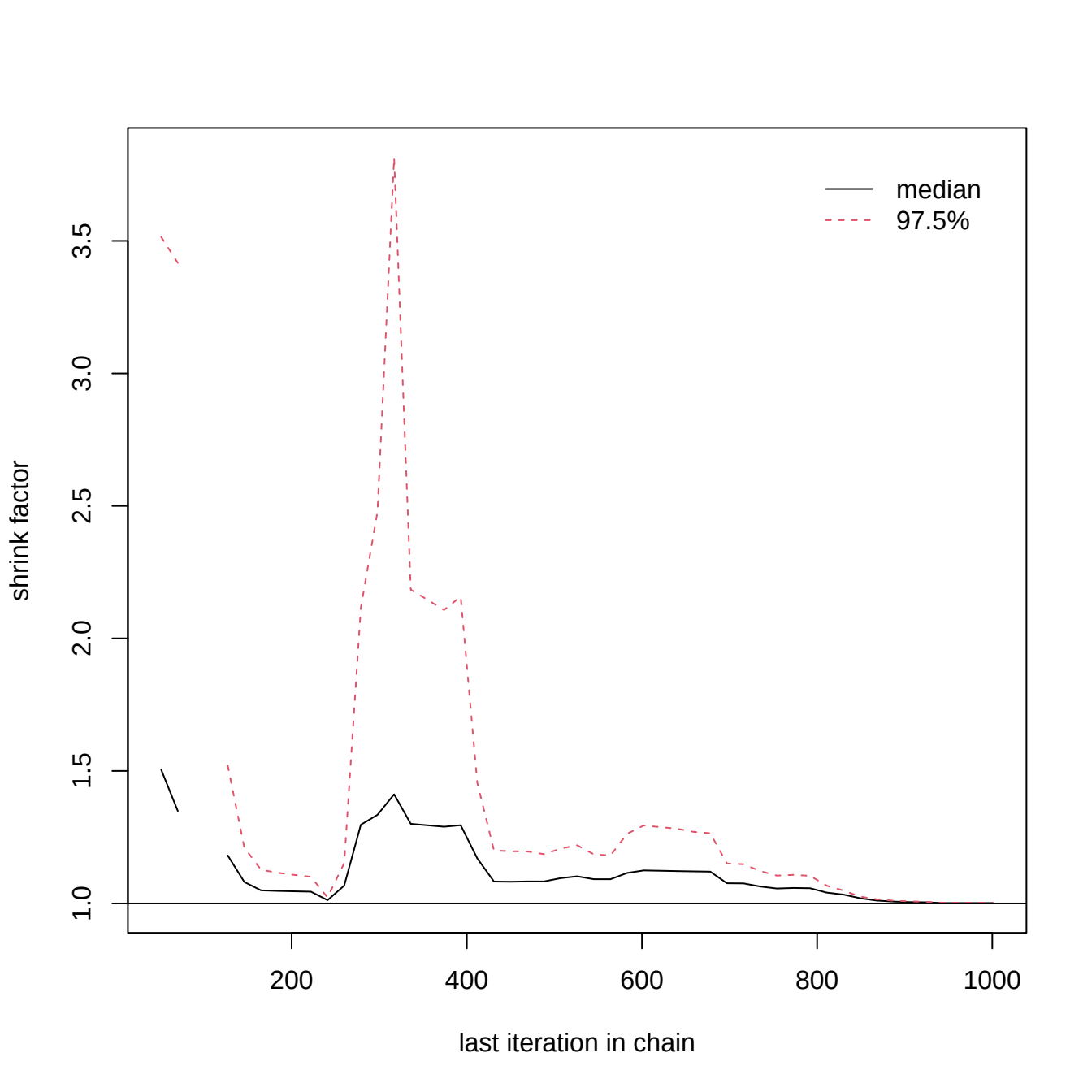

median
97.5%
shrink factor
4.0
3.5
3.0
2.5
2.0
1.5
1.0
200
400
600
800
1000
last iteration in chain


median
97.5%
shrink factor
1
2
3
4
5
200
400
600
800
1000
last iteration in chain


median
97.5%
shrink factor
last iteration in chain
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
200
400
600
800
1000


median
97.5%
shrink factor
last iteration in chain
1.0
1.5
2.0
2.5
3.0
3.5
200
400
600
800
1000


median
97.5%
shrink factor
1
2
3
4
5
6
200
400
600
800
1000
last iteration in chain


median
97.5%
shrink factor
1.0
1.5
2.0
2.5
3.0
3.5
200
400
600
800
1000
last iteration in chain