The **plotMCMC** gallery

Arni Magnusson

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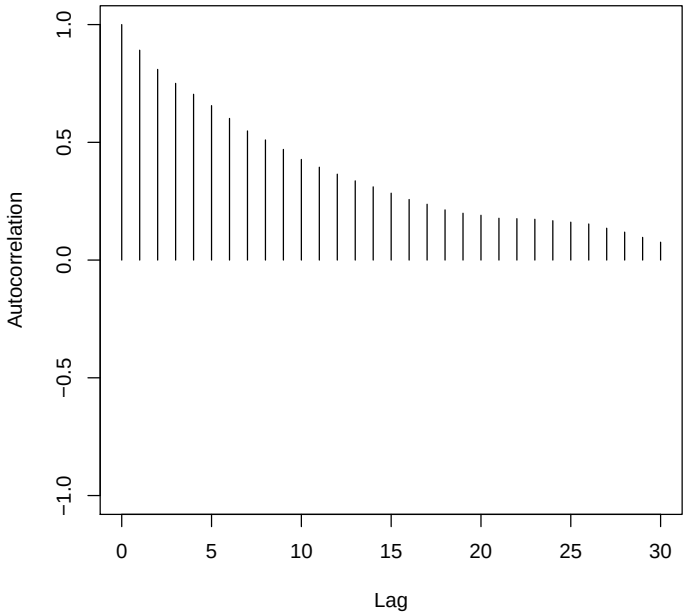
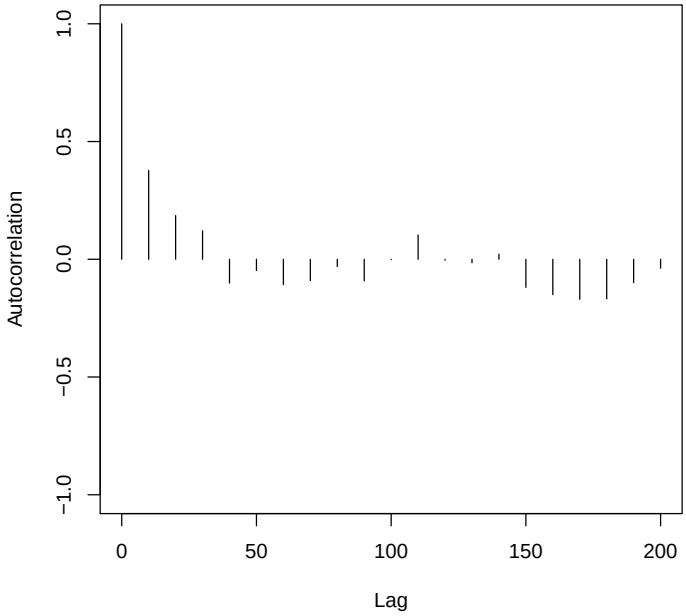
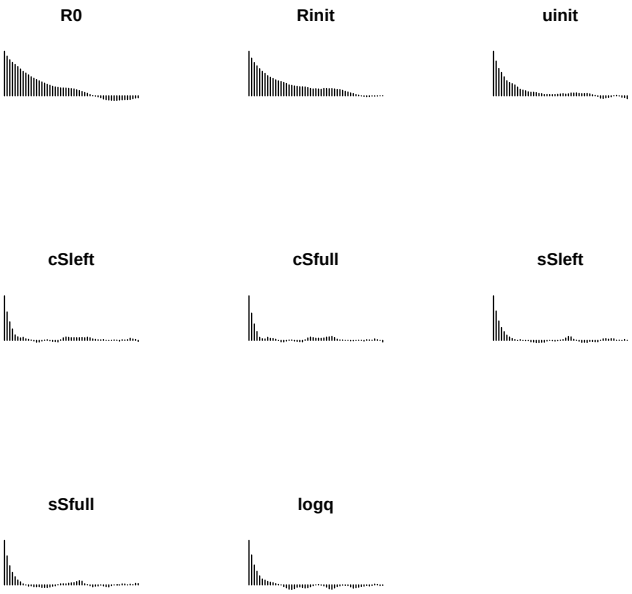
1 Overview

This vignette is only a series of plots, demonstrating how the **plotMCMC** plot examples look in a PDF document, as opposed to the default graphics device. Useful for package maintenance and as a visual overview of the package.

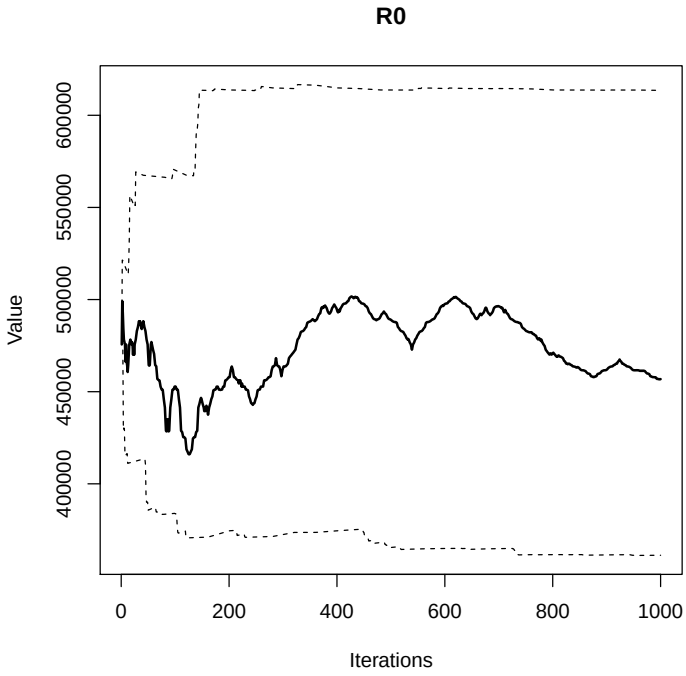
2 plotAuto

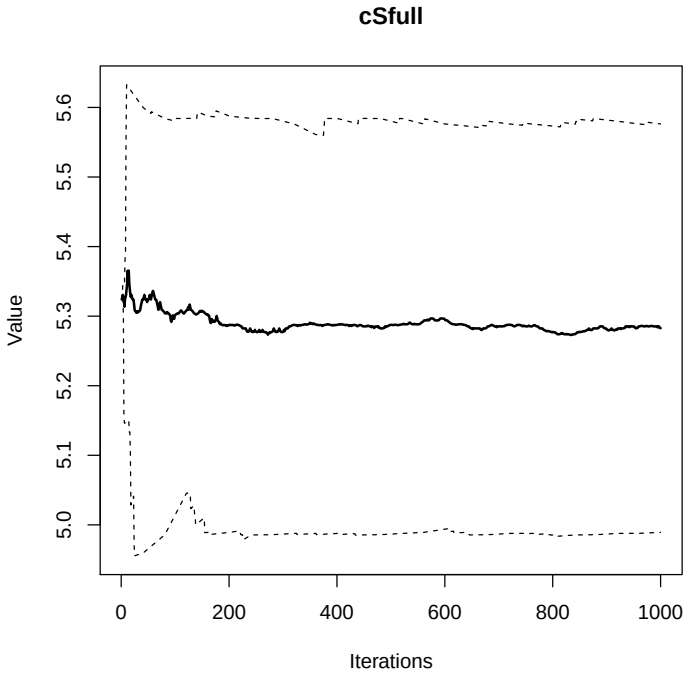

Autocorrelation
1.0
0.5
0.0
−0.5
−1.0
0
5
10
15
20
25
30
Lag

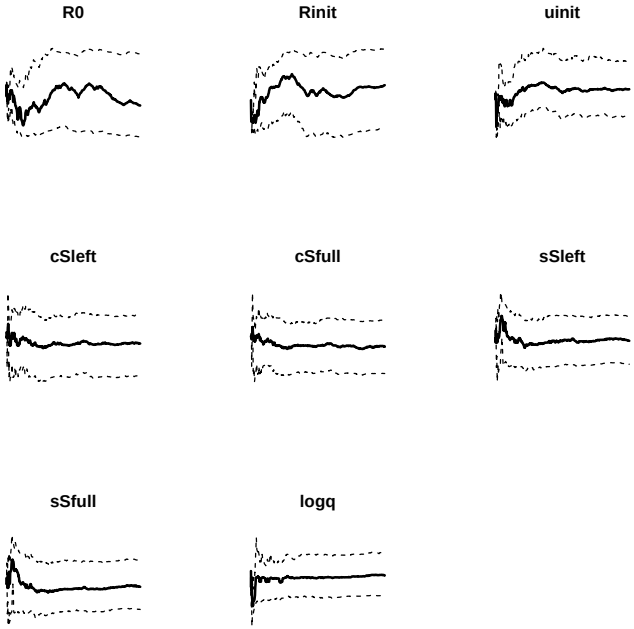

Autocorrelation
1.0
0.5
0.0
−0.5
−1.0
0
50
100
150
200
Lag


R0
Rinit
uinit
cSleft
cSfull
sSleft
sSfull
logq

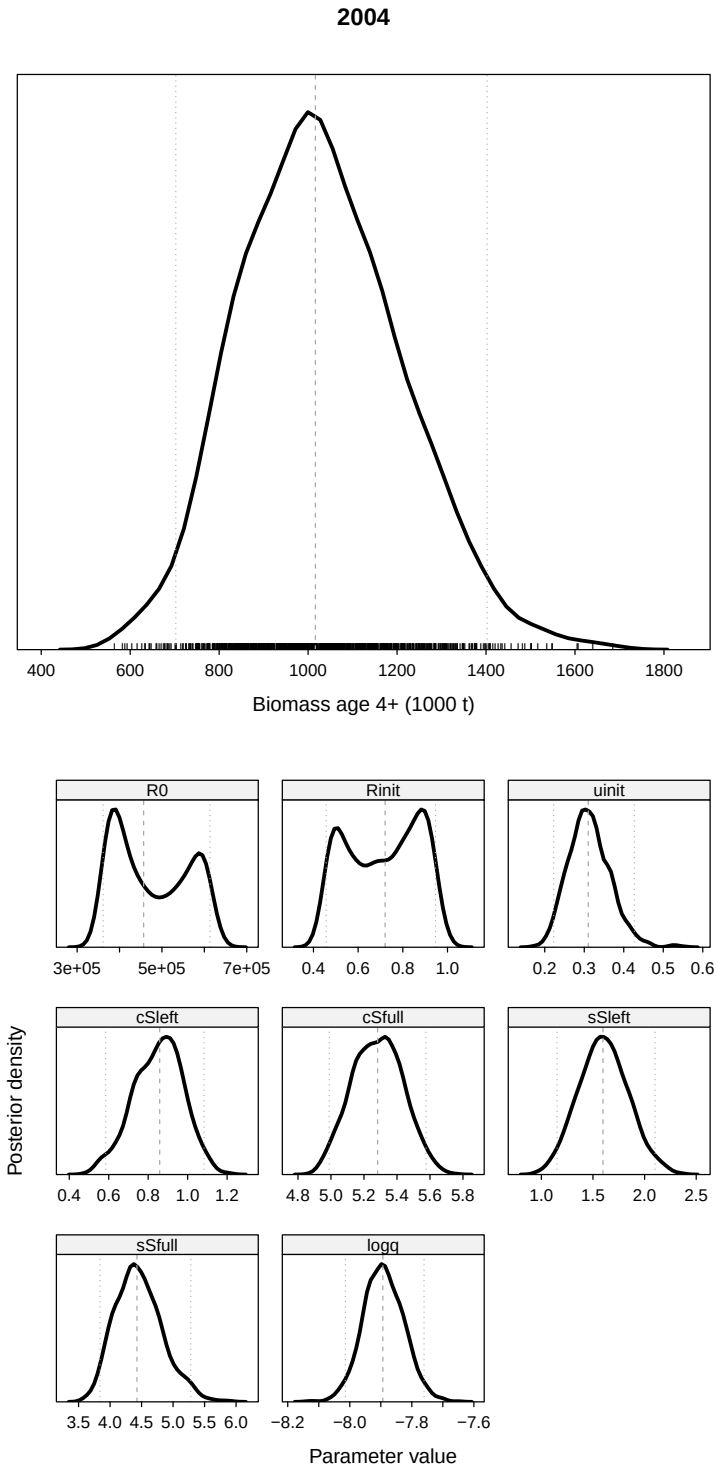
3 plotCumu


R0
Value
400000
450000
500000
550000
600000
0
200
400
600
800
1000
Iterations

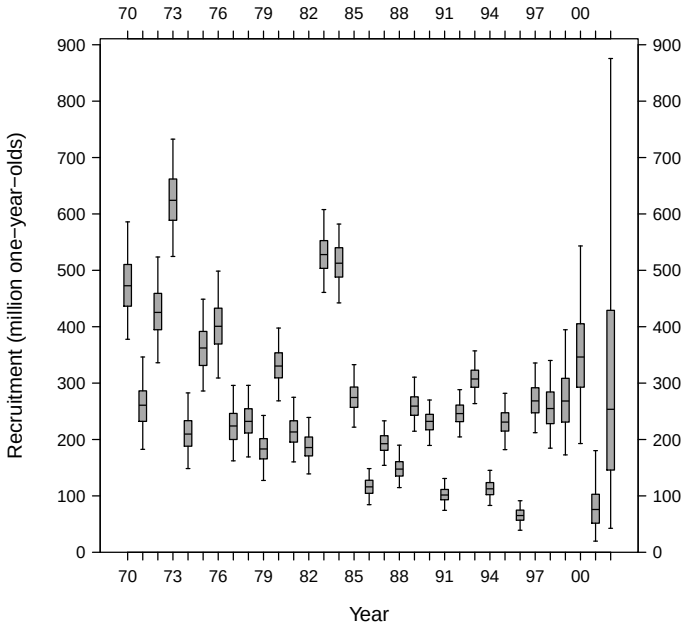

cSfull
Value
5.0
5.1
5.2
5.3
5.4
5.5
5.6
0
200
400
600
800
1000
Iterations

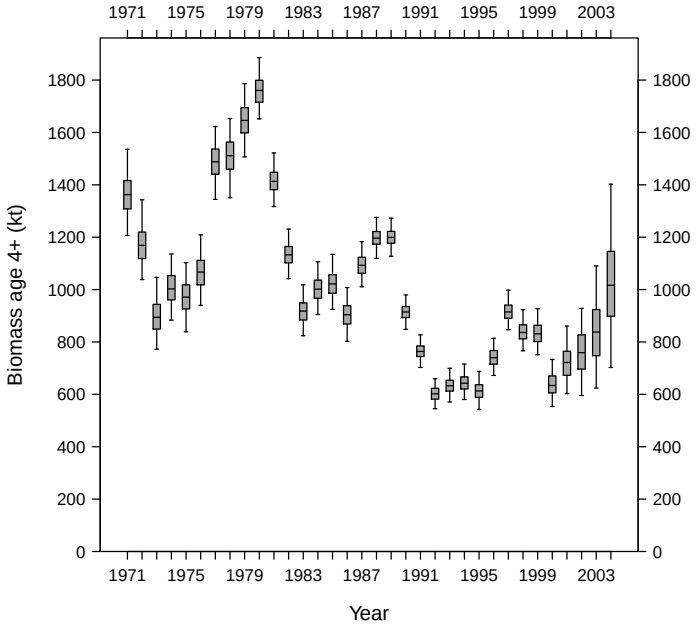

R0
Rinit
uinit
cSleft
cSfull
sSleft
sSfull
logq

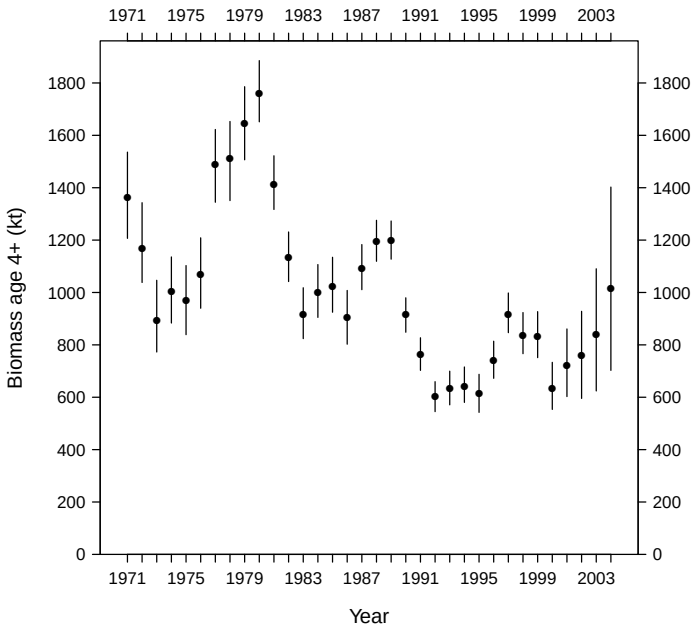
4 plotDens

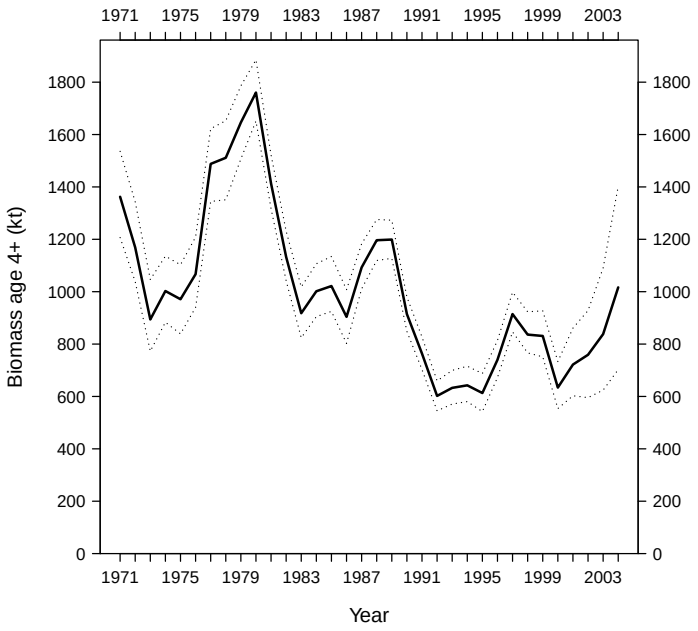

2004
400
600
800
1000
1200
1400
1600
1800
Biomass age 4+ (1000 t)
R0
Rinit
uinit
3e+05
5e+05
7e+05
0.4
0.6
0.8
1.0
0.2
0.3
0.4
0.5
0.6
cSleft
cSfull
sSleft
Posterior density
0.4
0.6
0.8
1.0
1.2
4.8
5.0
5.2
5.4
5.6
5.8
1.0
1.5
2.0
2.5
sSfull
logq
3.5
4.0
4.5
5.0
5.5
6.0
−8.2
−8.0
−7.8
−7.6
Parameter value

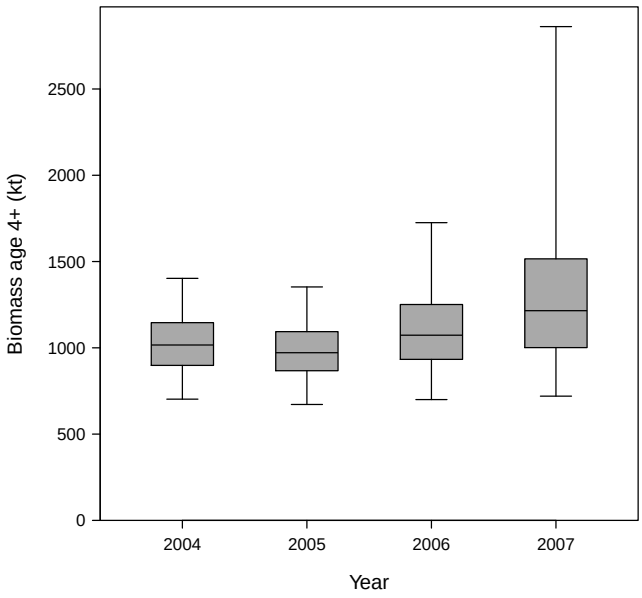
5 plotQuant


70 73 76 79 82 85 88 91 94 97 00
0 100 200 300 400 500 600 700 800 900
Recruitment (million one−year−olds)
Year

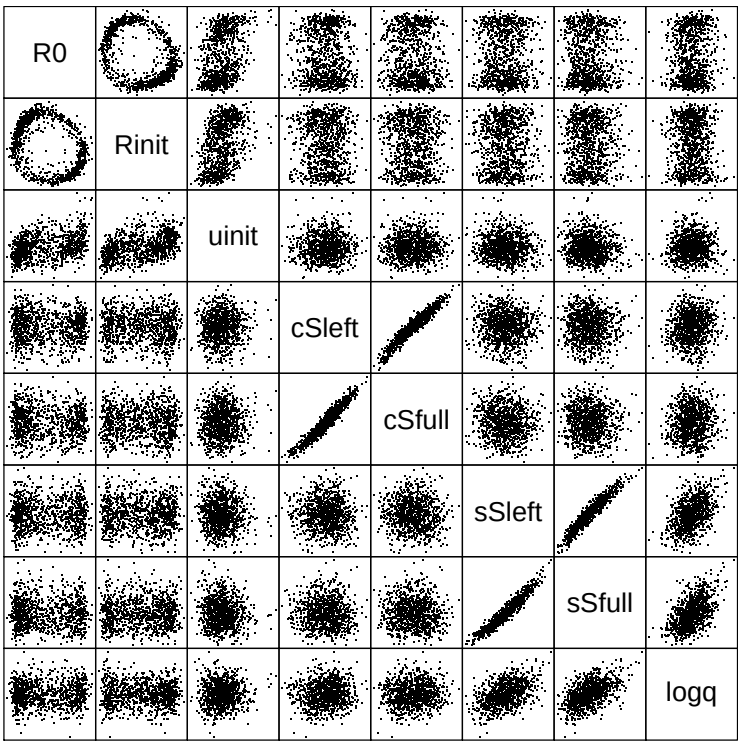

1971 1975 1979 1983 1987 1991 1995 1999 2003
0 200 400 600 800 1000 1200 1400 1600 1800
Biomass age 4+ (kt)
Year

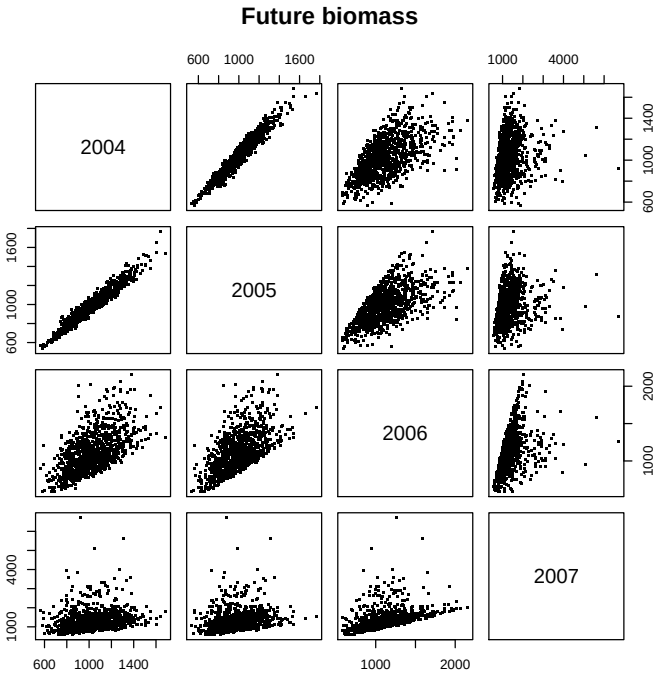

1971 1975 1979 1983 1987 1991 1995 1999 2003
0 200 400 600 800 1000 1200 1400 1600 1800
Biomass age 4+ (kt)
Year


1971 1975 1979 1983 1987 1991 1995 1999 2003
0 200 400 600 800 1000 1200 1400 1600 1800
Biomass age 4+ (kt)
Year

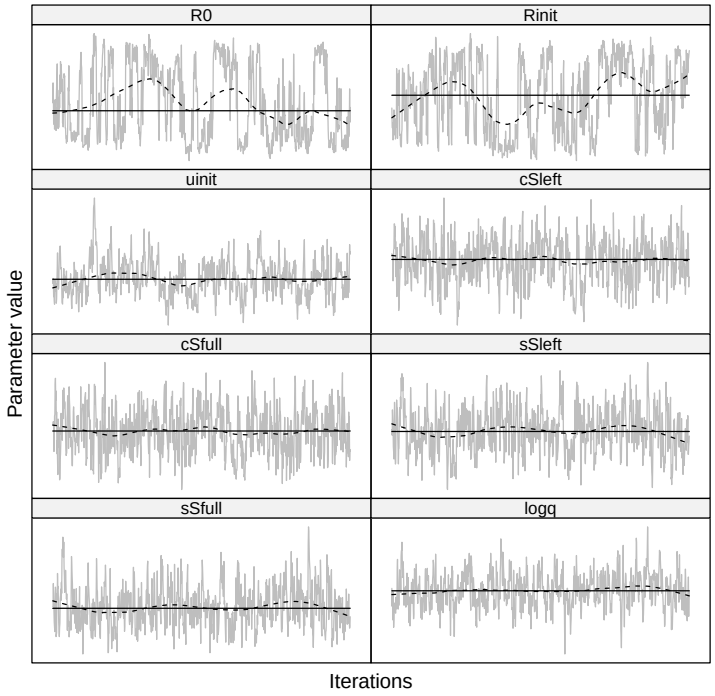

Biomass age 4+ (kt)
2500
2000
1500
1000
500
0
2004
2005
2006
2007
Year

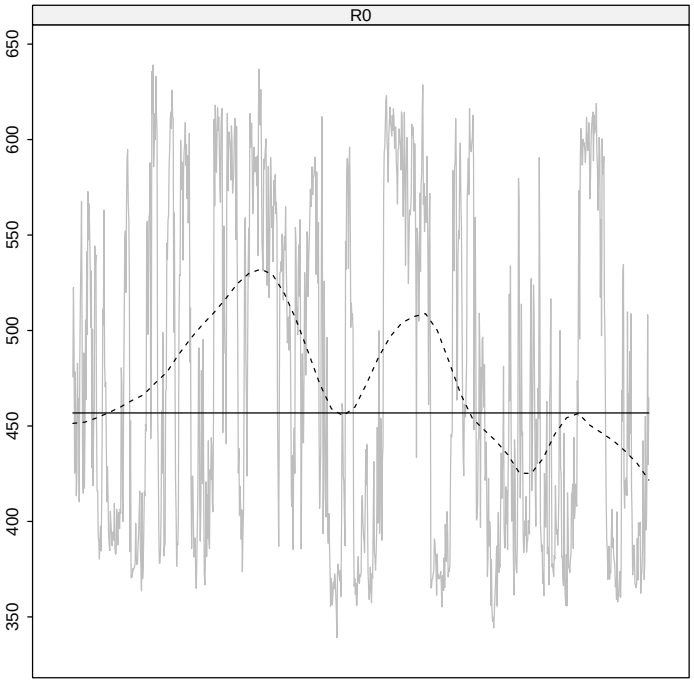
6 plotSplom


R0
Rinit
uinit
cSleft
cSfull
sSleft
sSfull
logq


Future biomass
2004
2005
2006
2007
600 1000 1600
1000 4000
600 1000 1400
1000 2000

7 plotTrace


R0
Rinit
uinit
cSleft
cSfull
sSleft
sSfull
logq
Parameter value
Iterations


R0
650
600
550
500
450
400
350