The **plotMCMC** gallery

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Contents

1 Overview **2**

2 plotAuto **3**

3 plotCumu **4**

4 plotDens **6**

5 plotQuant **7**

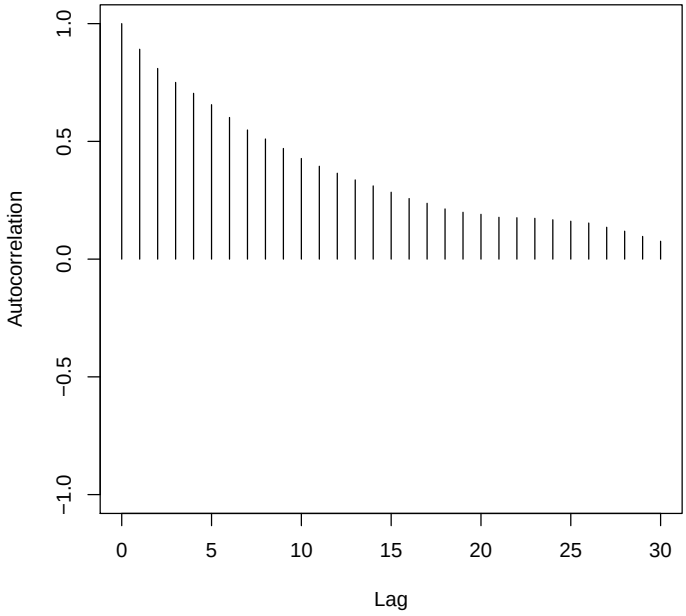
6 plotSplom **9**

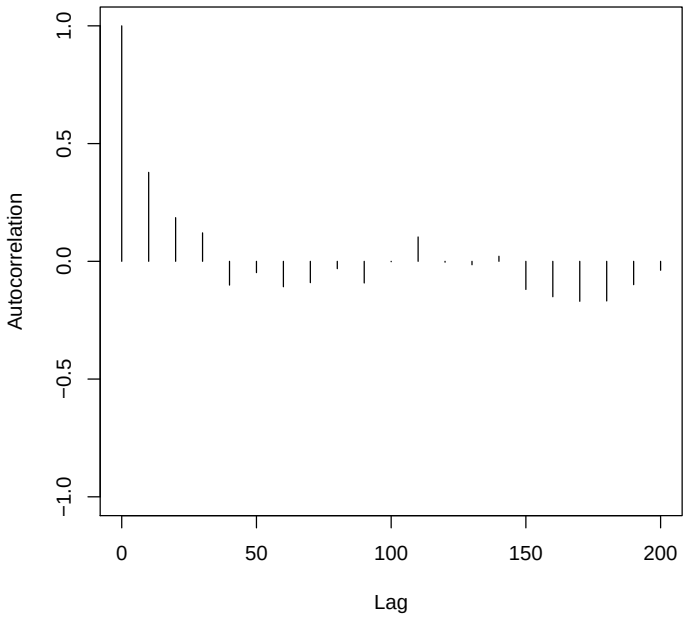
7 plotTrace **10**

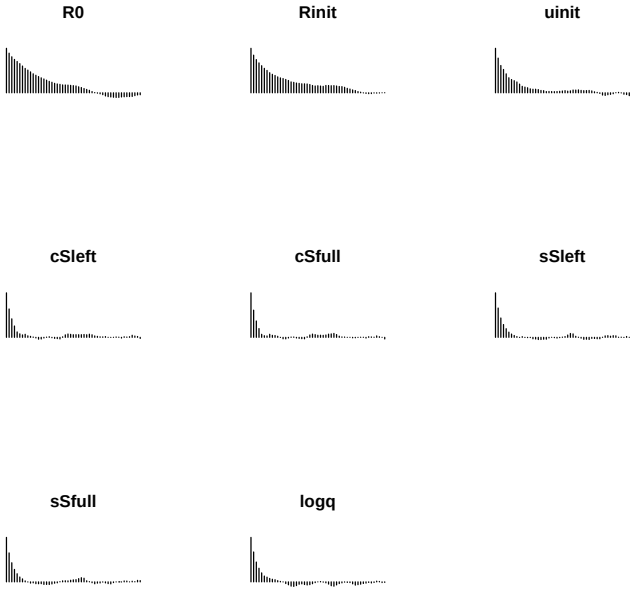
1 Overview

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.

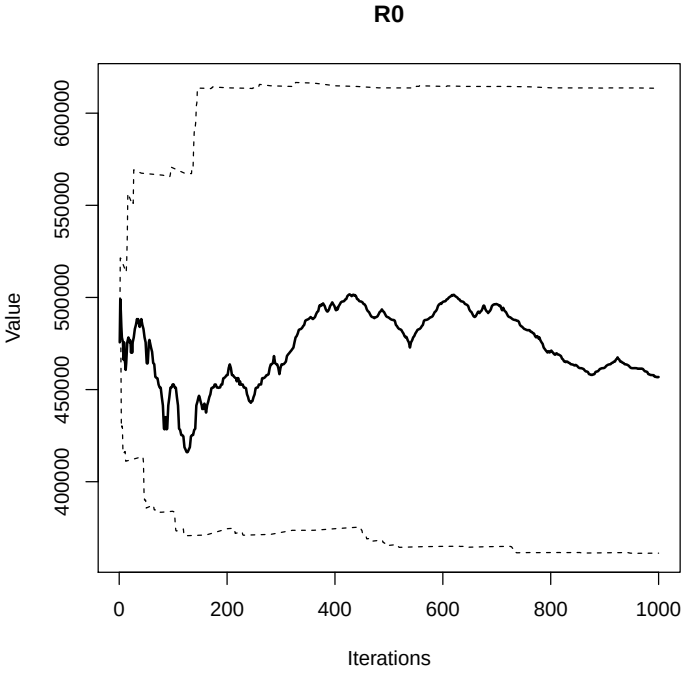
2 plotAuto

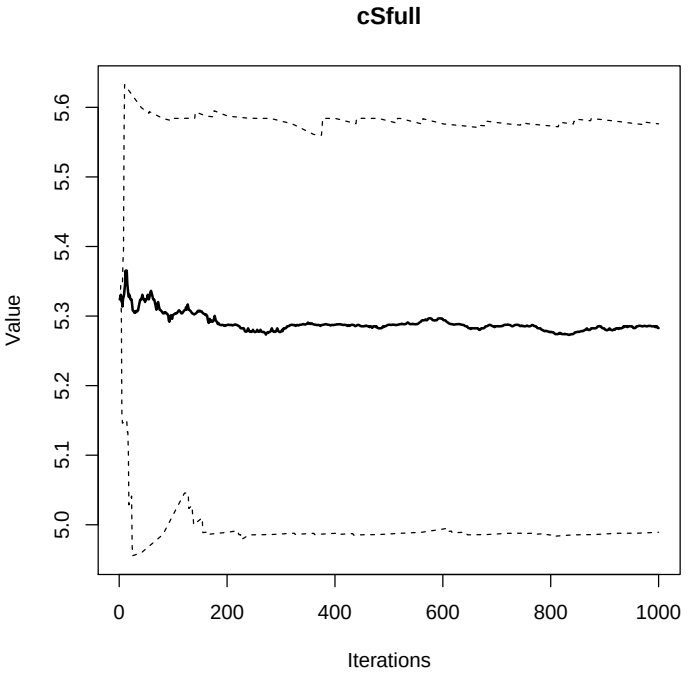

Autocorrelation
1.0
0.5
0.0
−0.5
−1.0
0
5
10
15
20
25
30
Lag

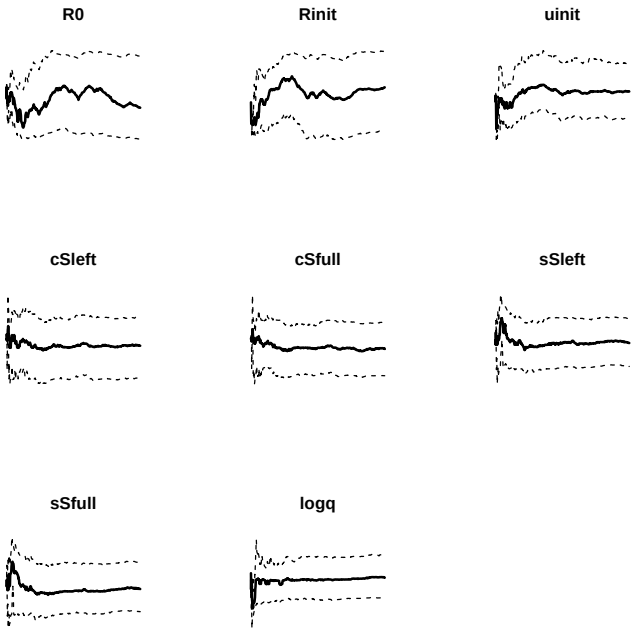

Autocorrelation
1.0
0.5
0.0
−0.5
−1.0
0
50
100
150
200
Lag


R0
Rinit
uinit
cSleft
cSfull
sSleft
sSfull
logq

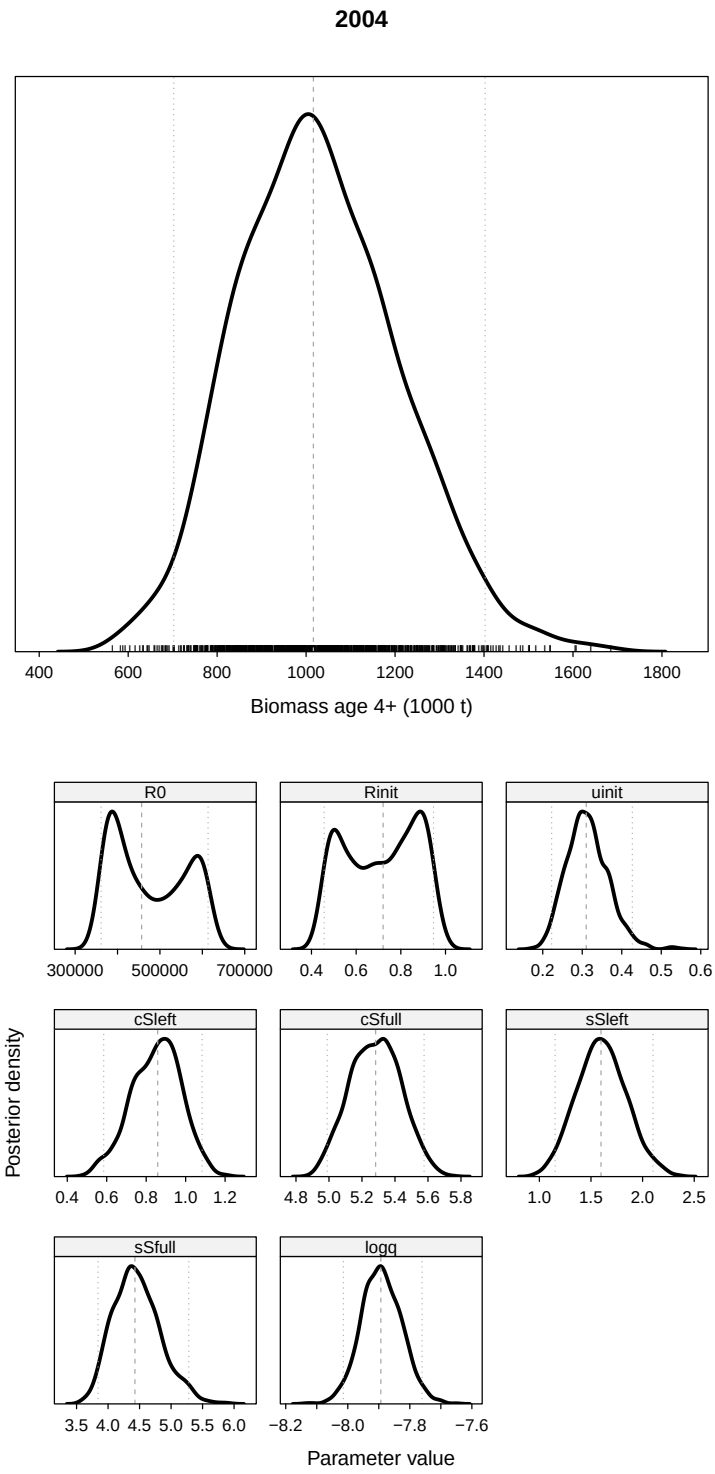
3 plotCumu


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

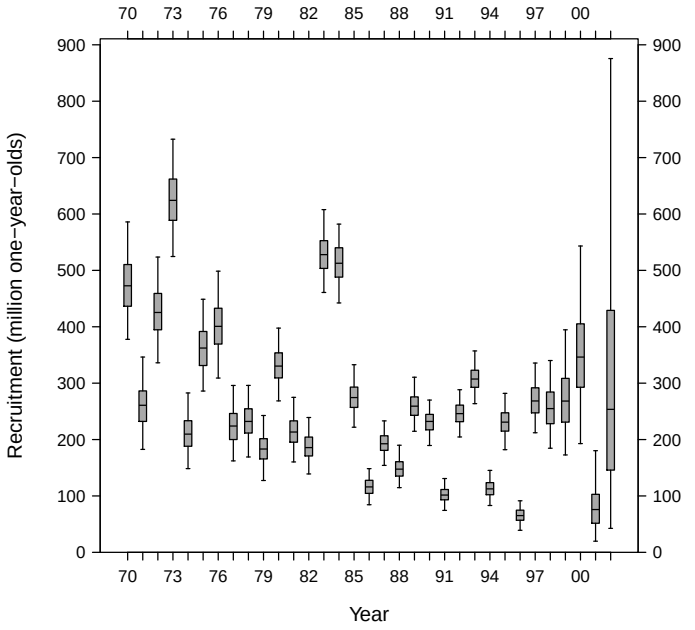

cSfull
Value
5.0
5.1
5.2
5.3
5.4
5.5
5.6
0
200
400
600
800
1000
Iterations

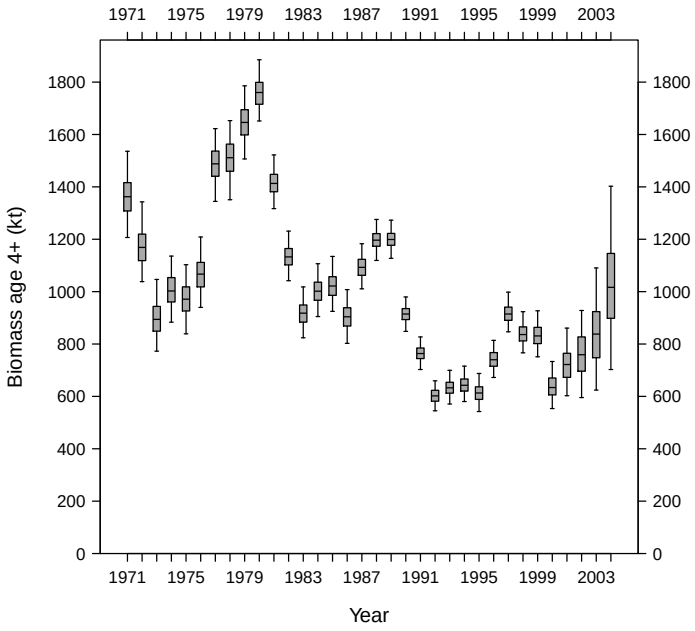

R0
Rinit
uinit
cSleft
cSfull
sSleft
sSfull
logq

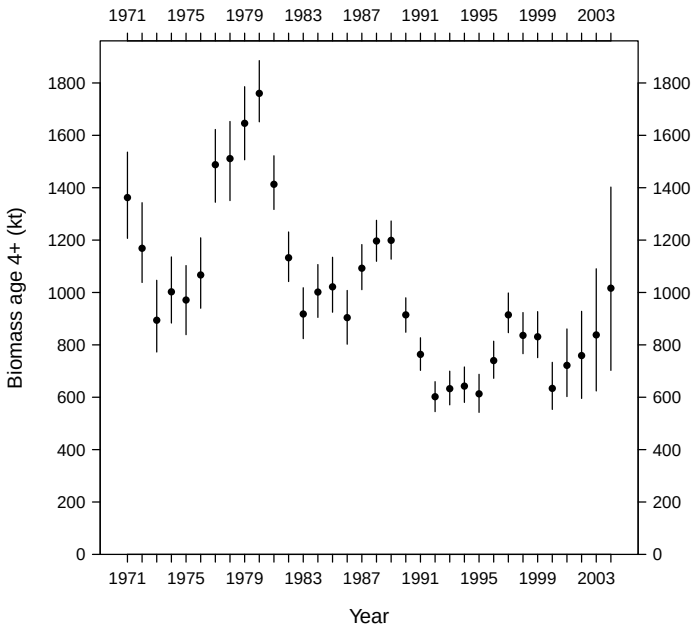
4 plotDens

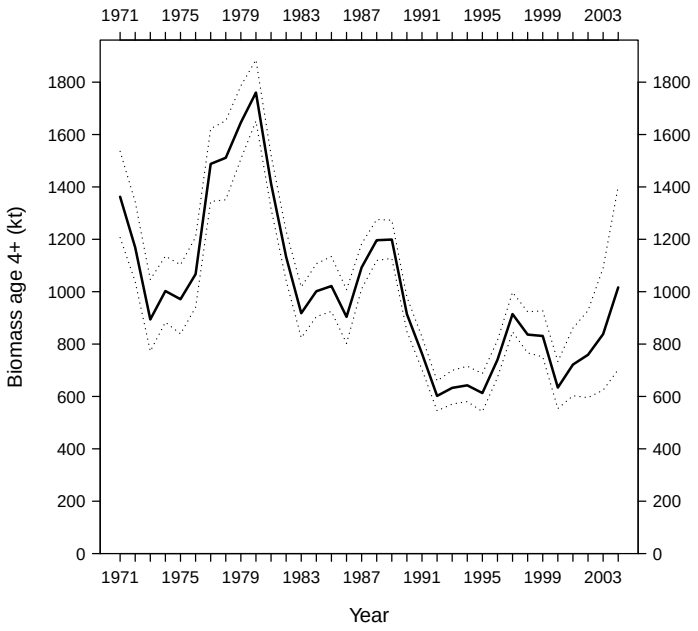

2004
400
600
800
1000
1200
1400
1600
1800
Biomass age 4+ (1000 t)
R0
Rinit
uinit
300000
500000
700000
0.4
0.6
0.8
1.0
0.2
0.3
0.4
0.5
0.6
cSleft
cSfull
sSleft
Posterior density
0.4
0.6
0.8
1.0
1.2
4.8
5.0
5.2
5.4
5.6
5.8
1.0
1.5
2.0
2.5
sSfull
logq
3.5
4.0
4.5
5.0
5.5
6.0
−8.2
−8.0
−7.8
−7.6
Parameter value

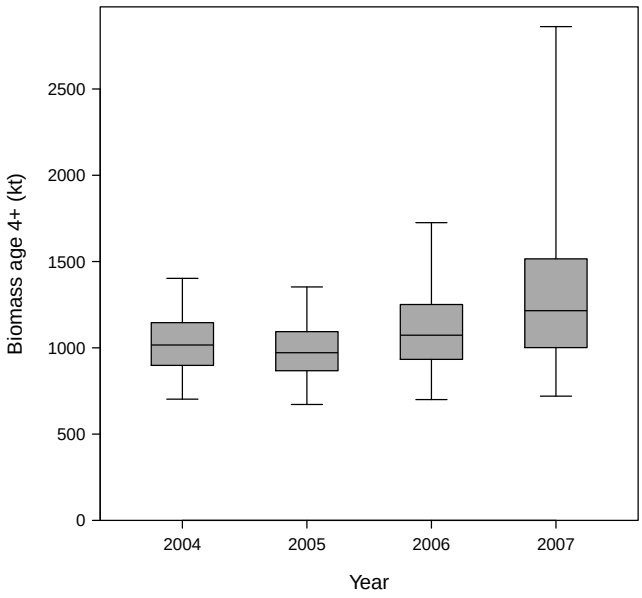
5 plotQuant


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

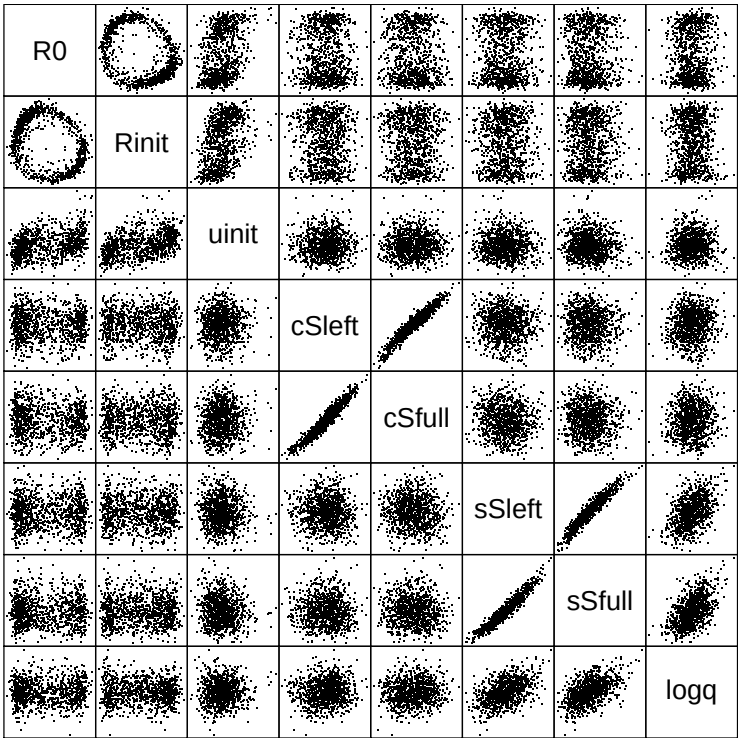

1971 1975 1979 1983 1987 1991 1995 1999 2003
0 200 400 600 800 1000 1200 1400 1600 1800
Biomass age 4+ (kt)
Year

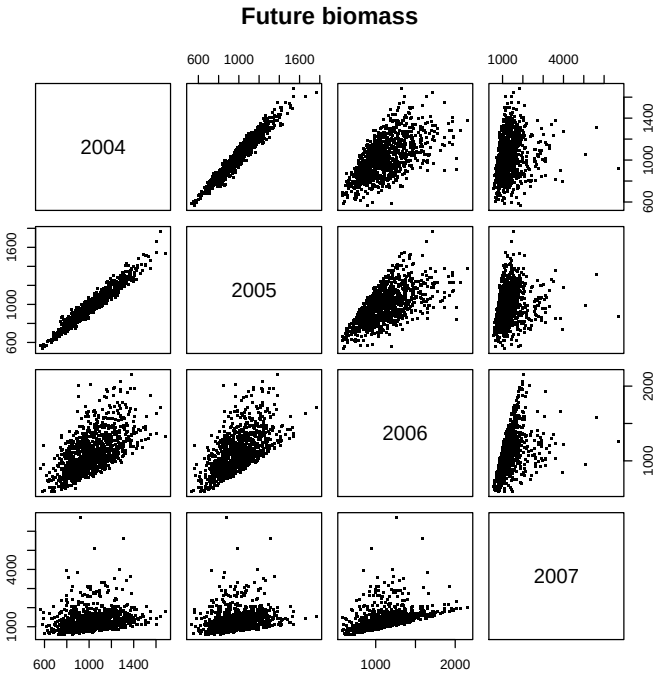

1971 1975 1979 1983 1987 1991 1995 1999 2003
0 200 400 600 800 1000 1200 1400 1600 1800
Biomass age 4+ (kt)
Year


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

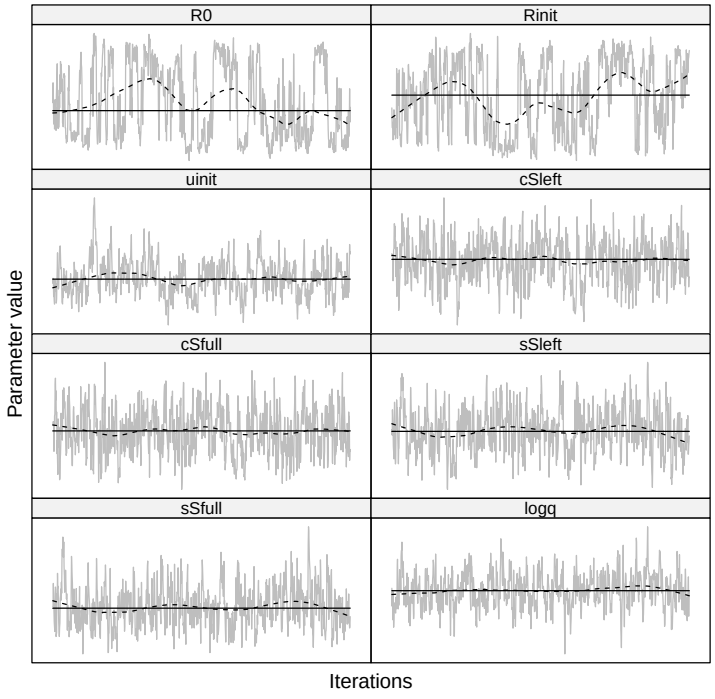

Biomass age 4+ (kt)
2500
2000
1500
1000
500
0
2004
2005
2006
2007
Year

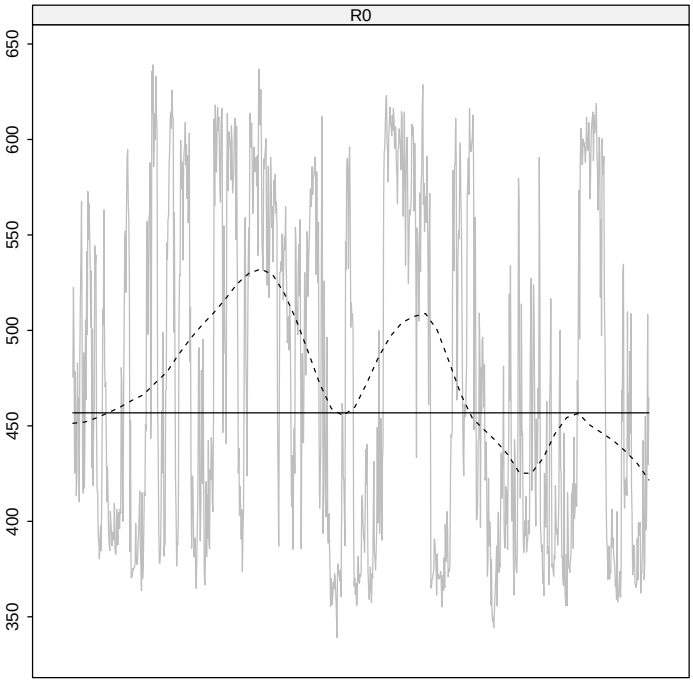
6 plotSplom


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