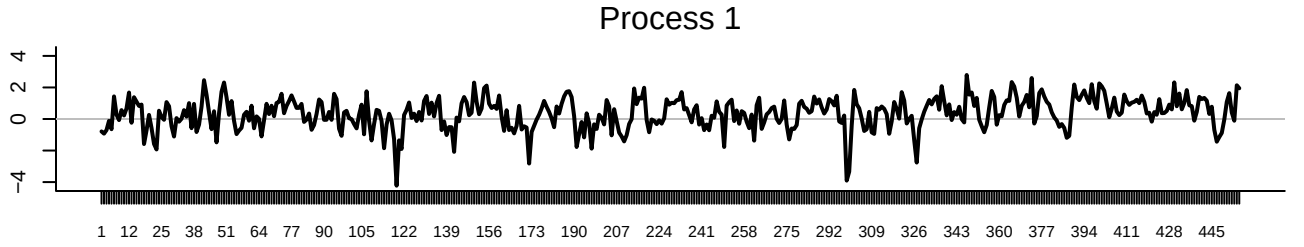
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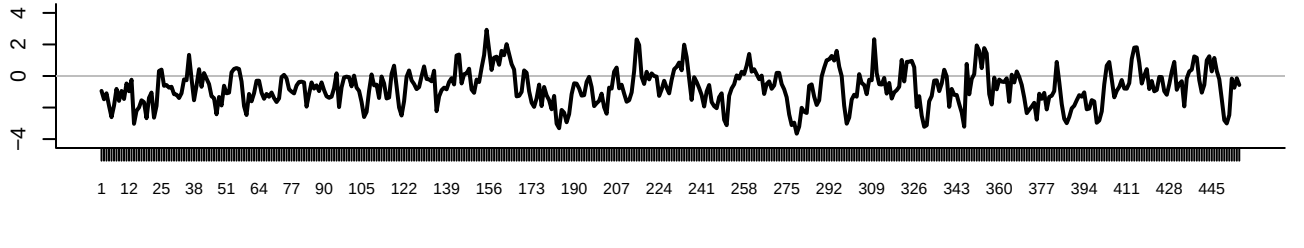
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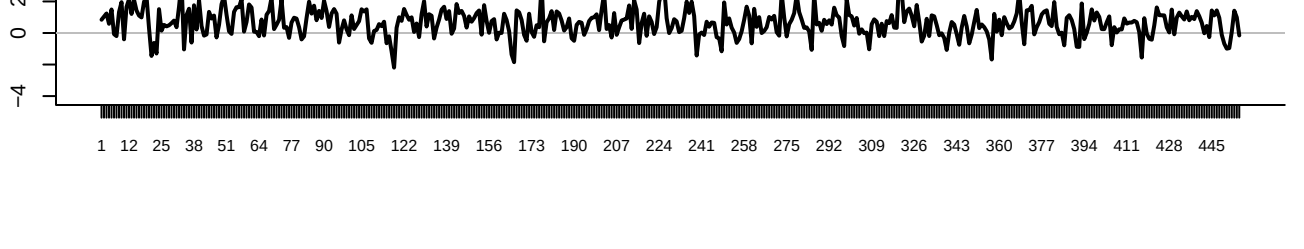
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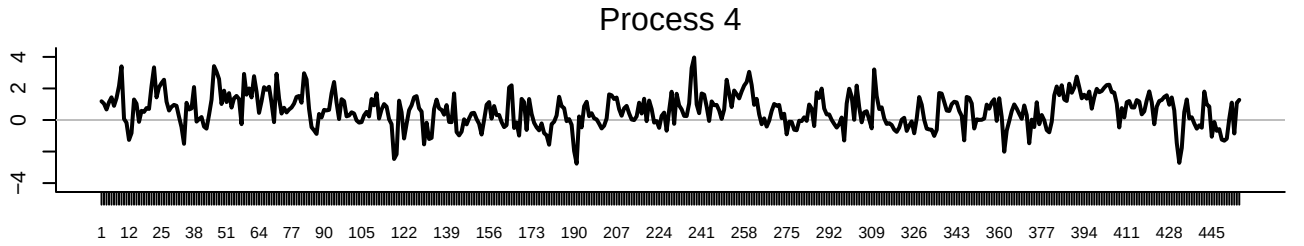
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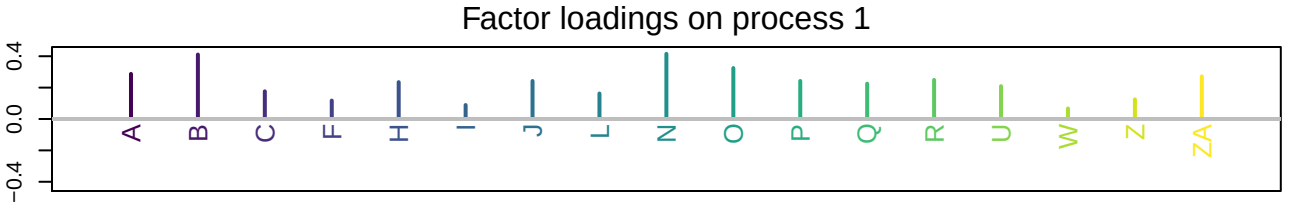
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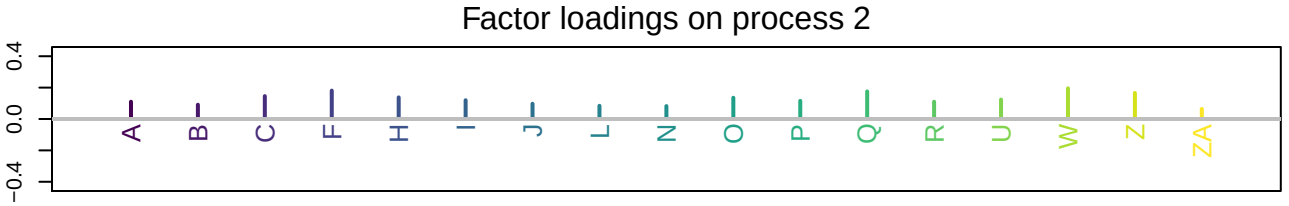
Z
ZA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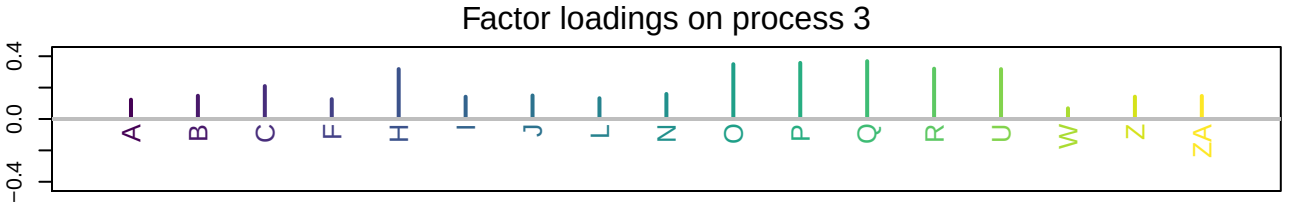
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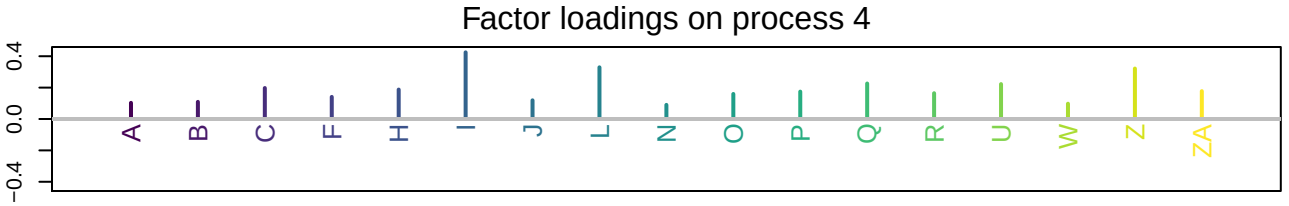
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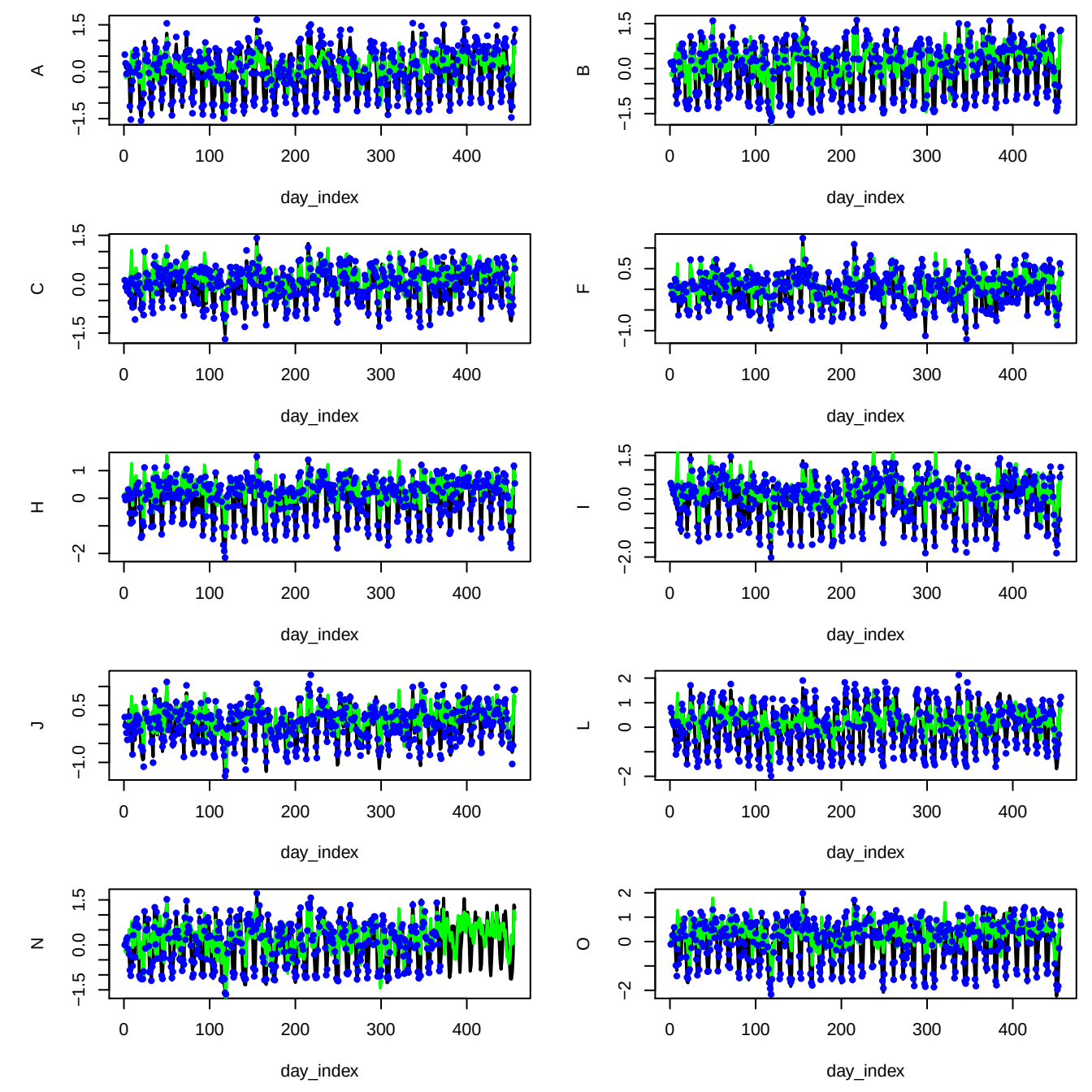
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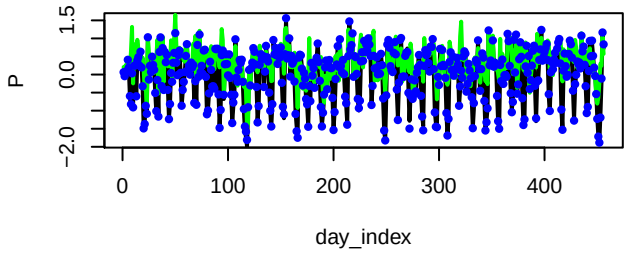
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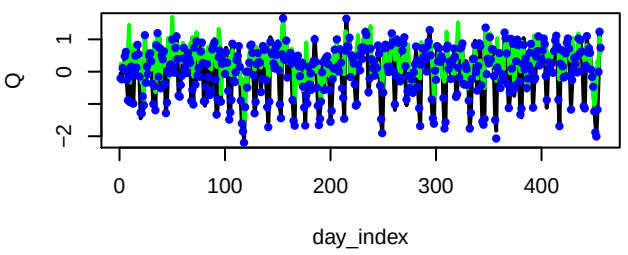
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300
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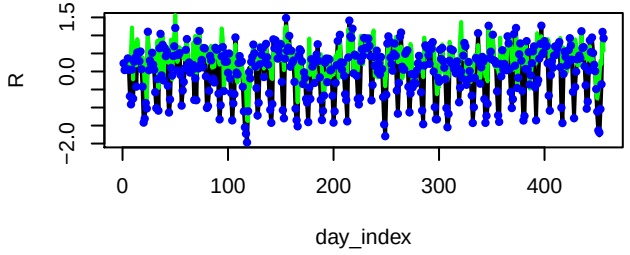
day_index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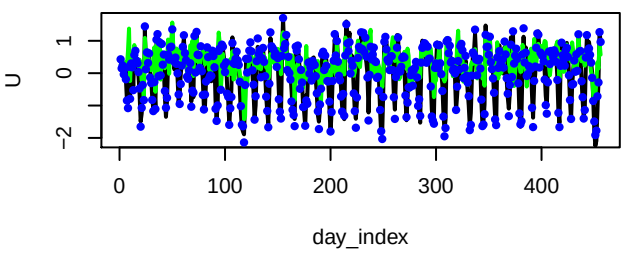
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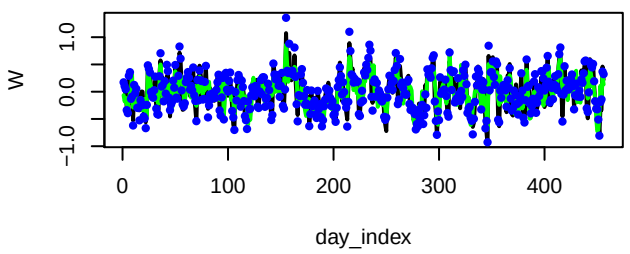
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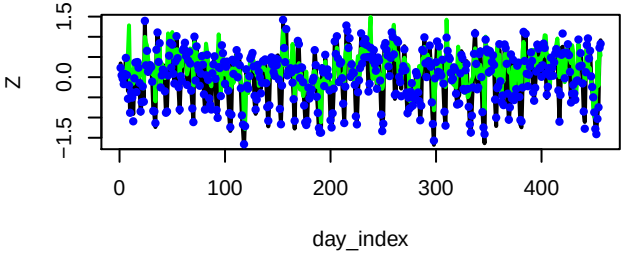
day_index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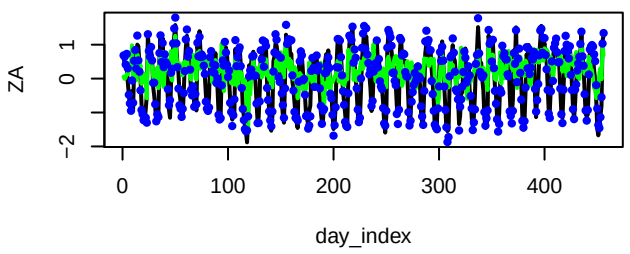
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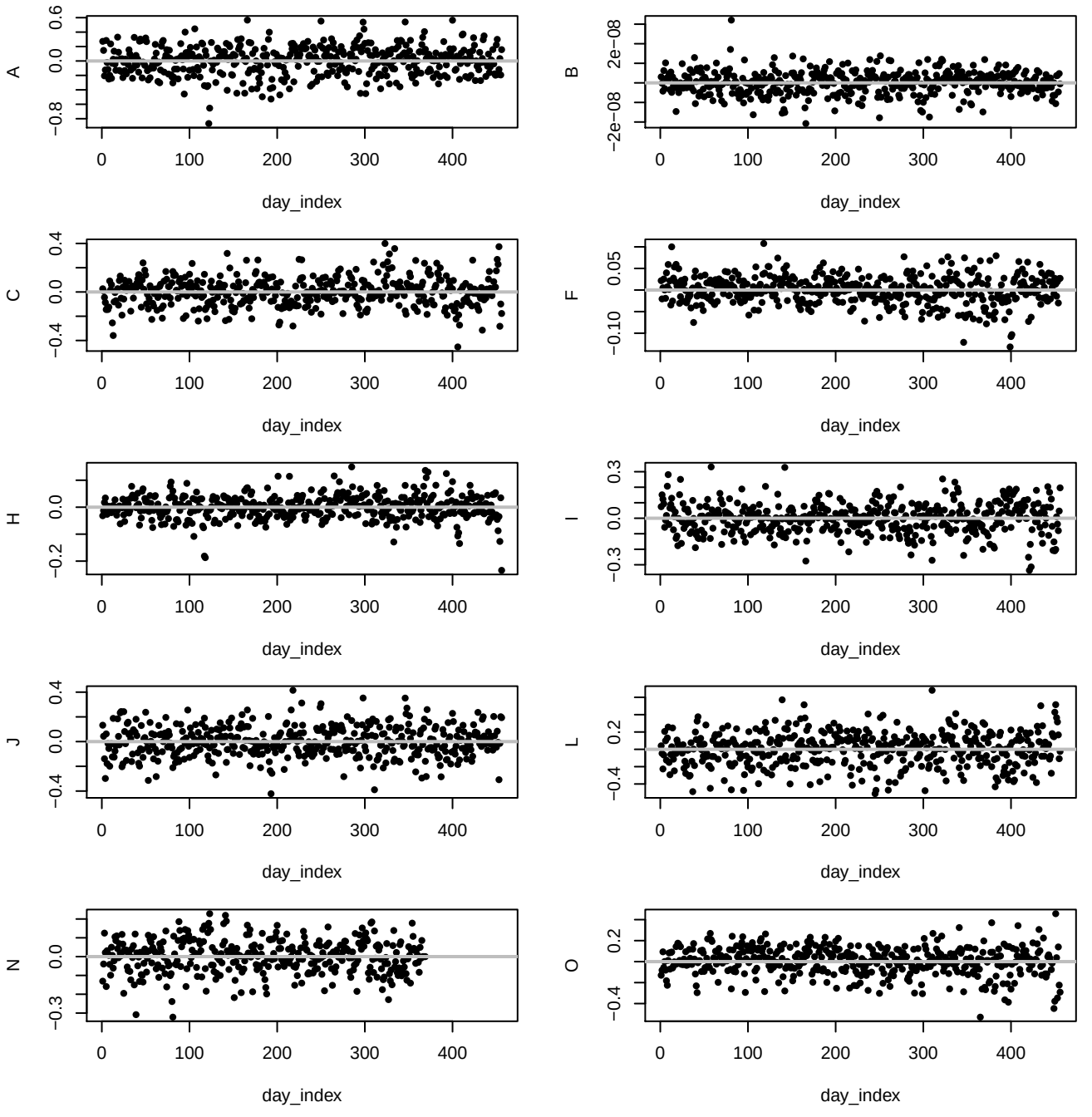
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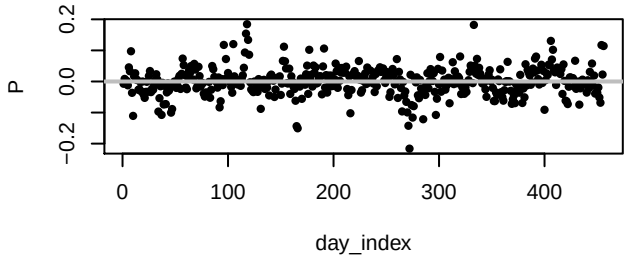
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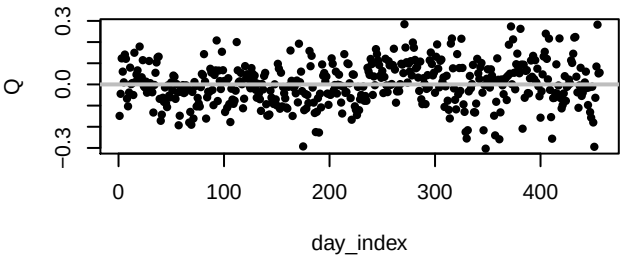
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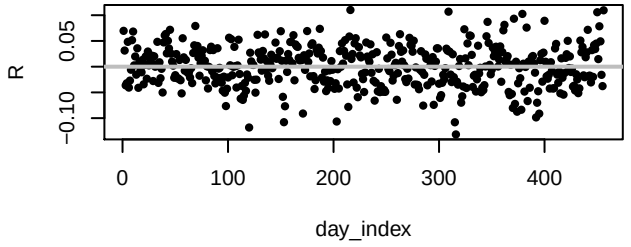
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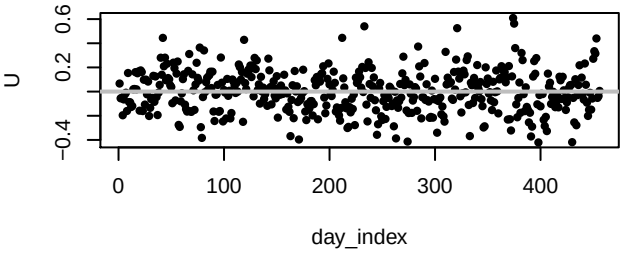
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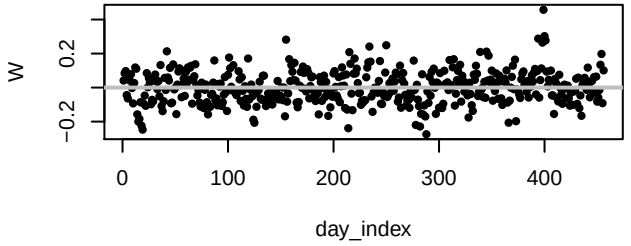
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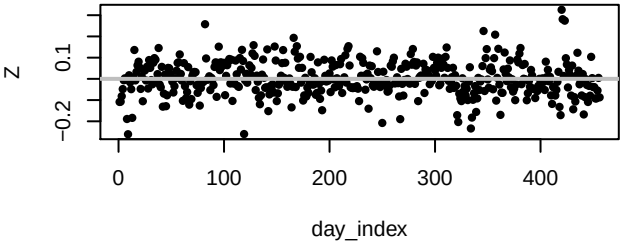
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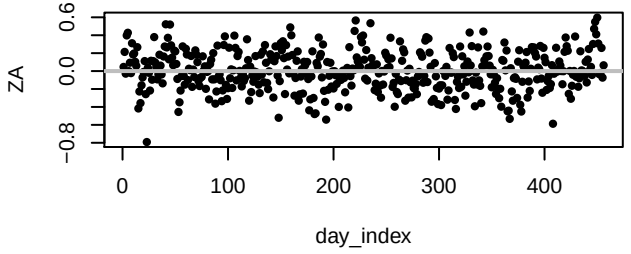
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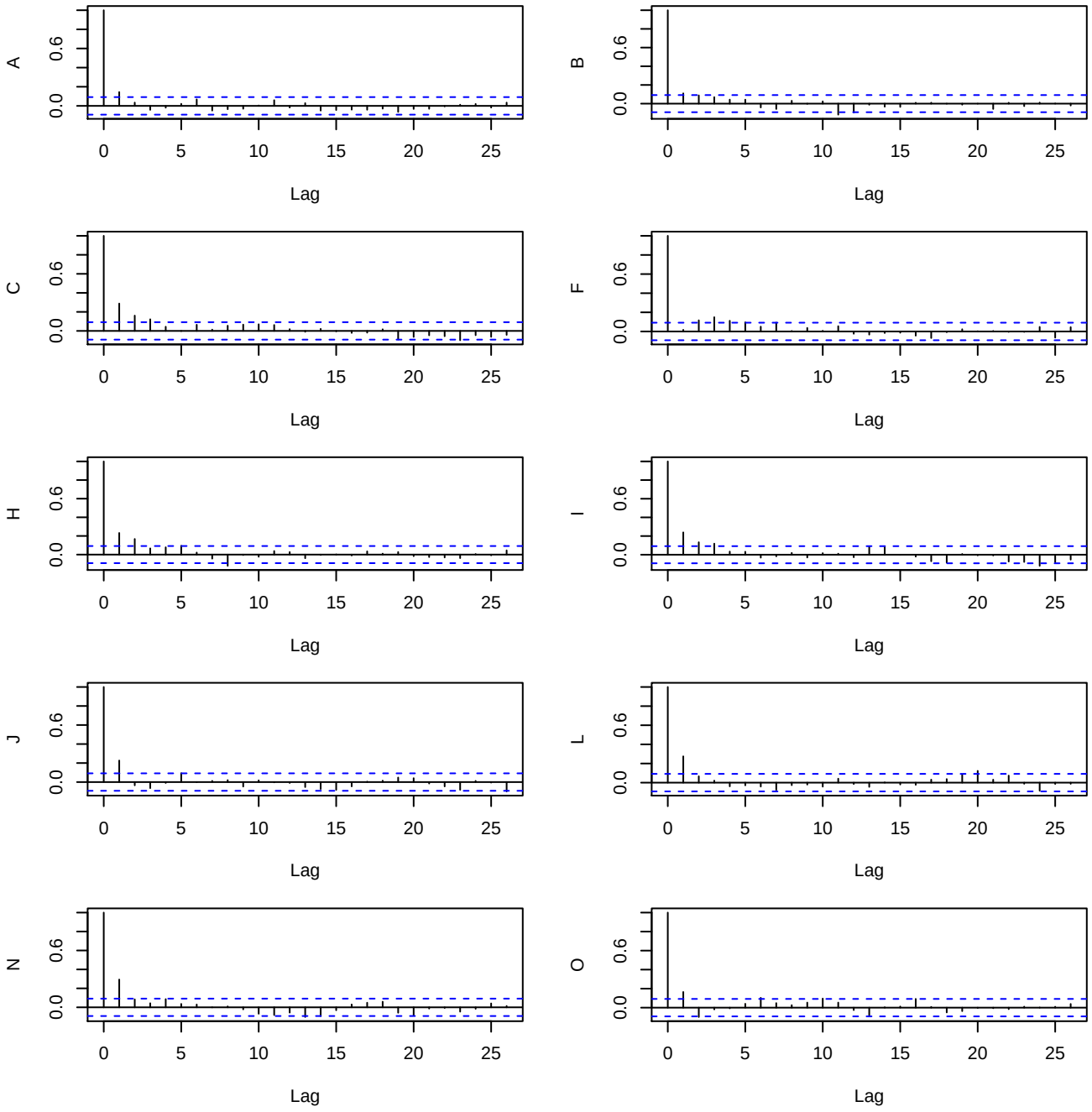
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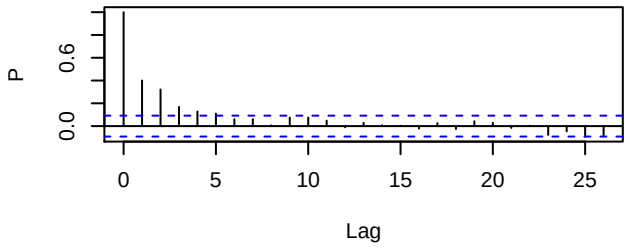
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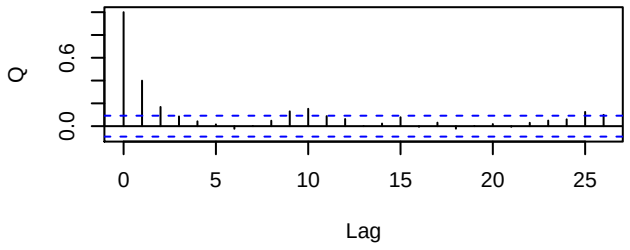
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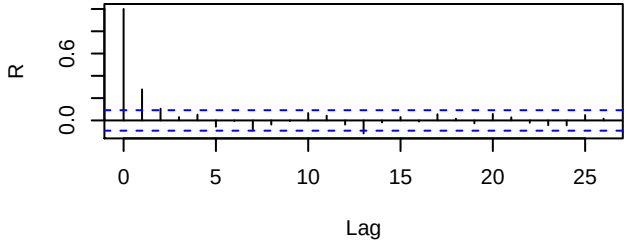
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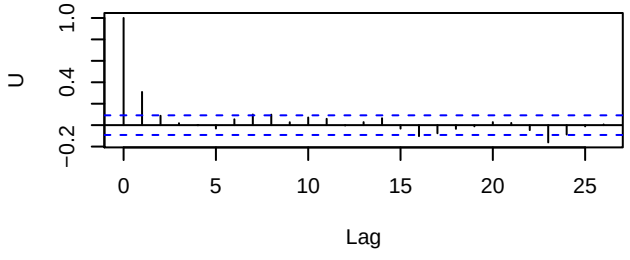
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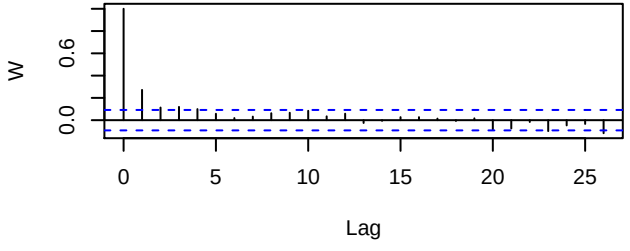
Lag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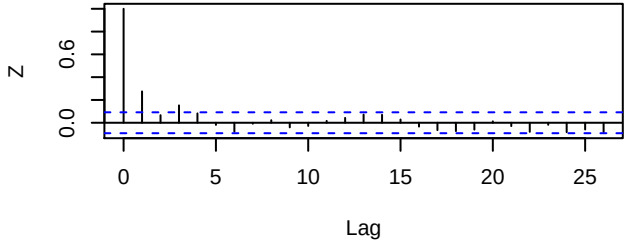
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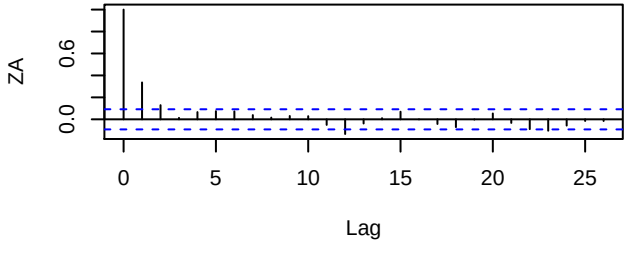
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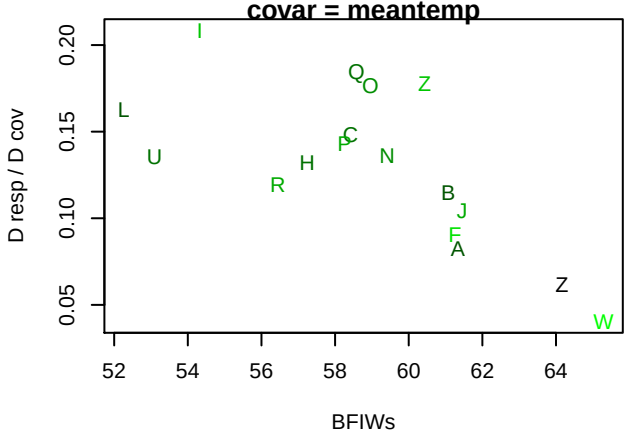
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D resp / D cov
0.05
0.10
0.15
0.20
52
54
56
58
60
62
64
BFIWs
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Q
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Z
L
U
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P
N
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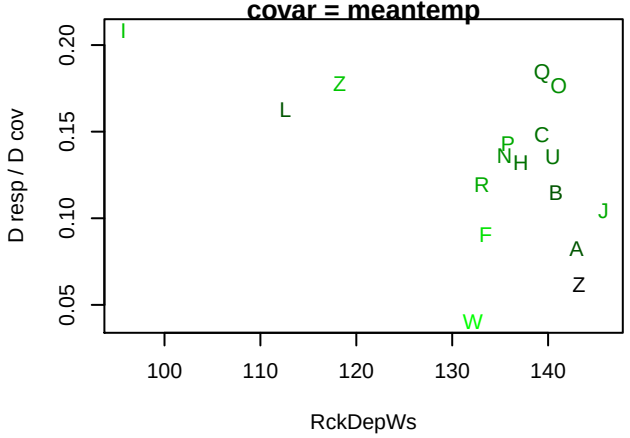
F
A
Z
W


covar = meantemp
D resp / D cov
0.05
0.10
0.15
0.20
100
110
120
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140
RckDepWs
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Q
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C
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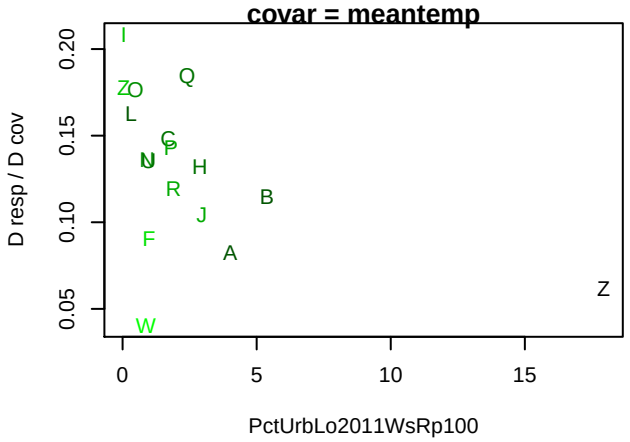
W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D resp / D cov
0.05
0.10
0.15
0.20
0
5
10
15
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I
Q
Z
O
L
C
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H
R
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A
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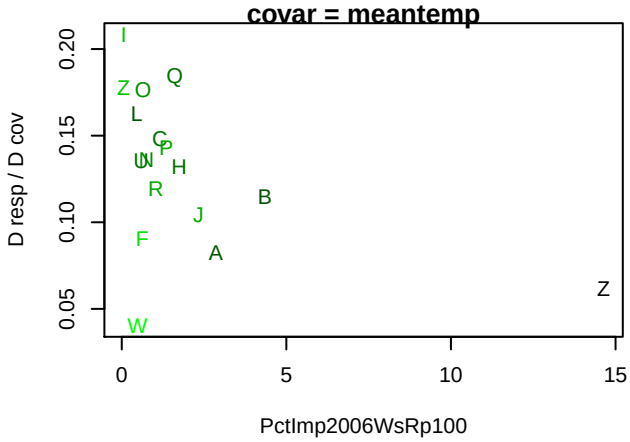
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0.15
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10
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Z
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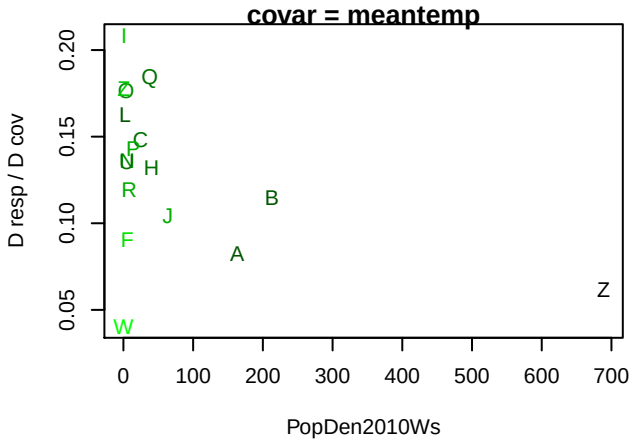
Z
W


covar = meantemp
D resp / D cov
0.05
0.10
0.15
0.20
0
100
200
300
400
500
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700
PopDen2010Ws
I
Q
Z
O
L
C
P
N
H
R
B
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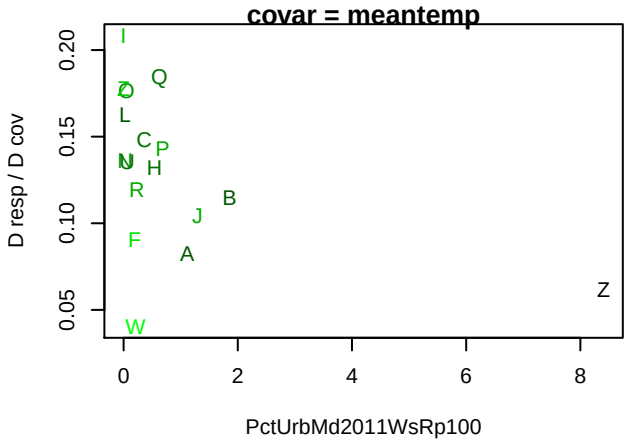
F
A
Z
W


covar = meantemp
D resp / D cov
0.05
0.10
0.15
0.20
0
2
4
6
8
PctUrbMd2011WsRp100
I
Q
Z
O
L
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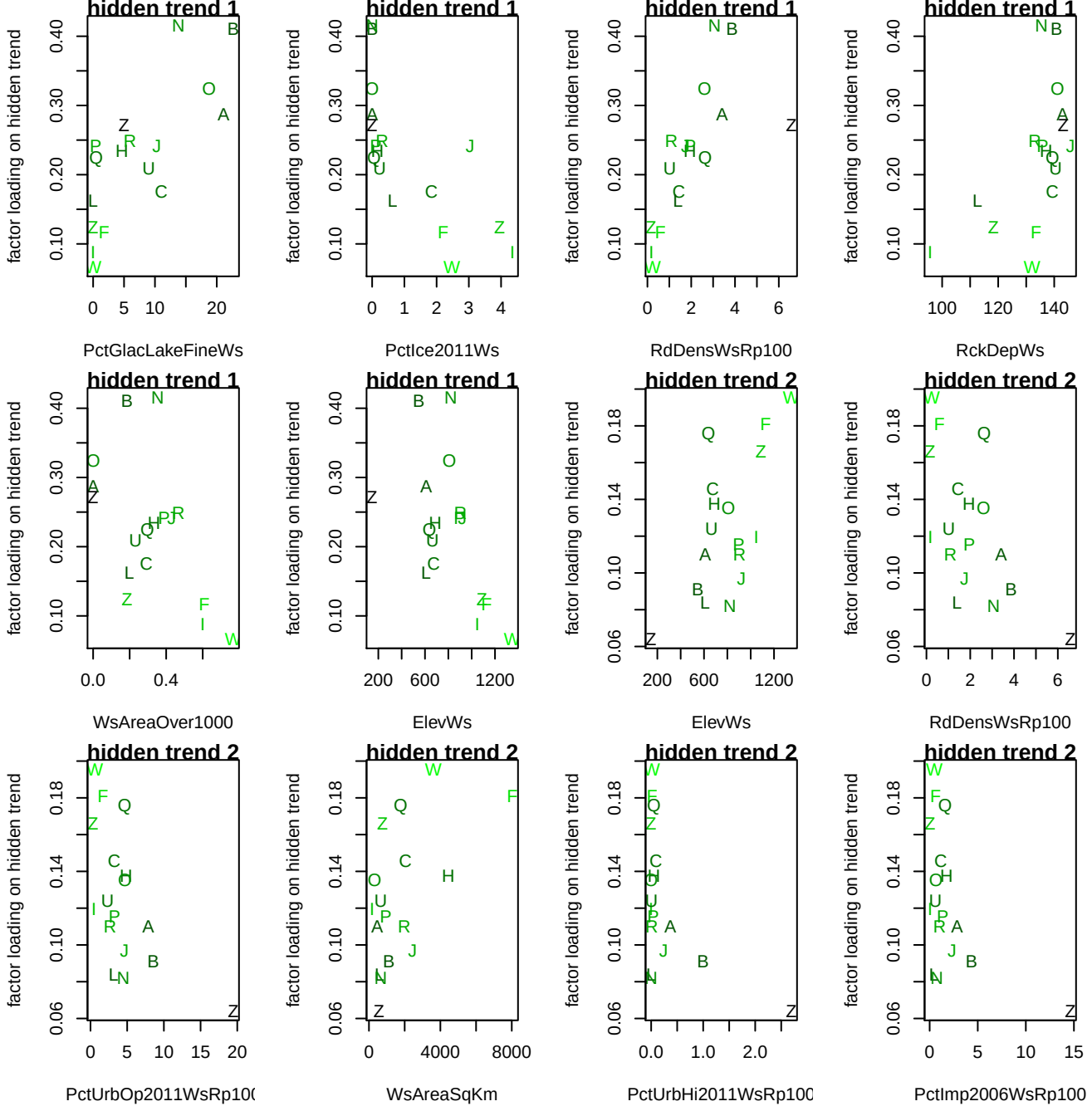
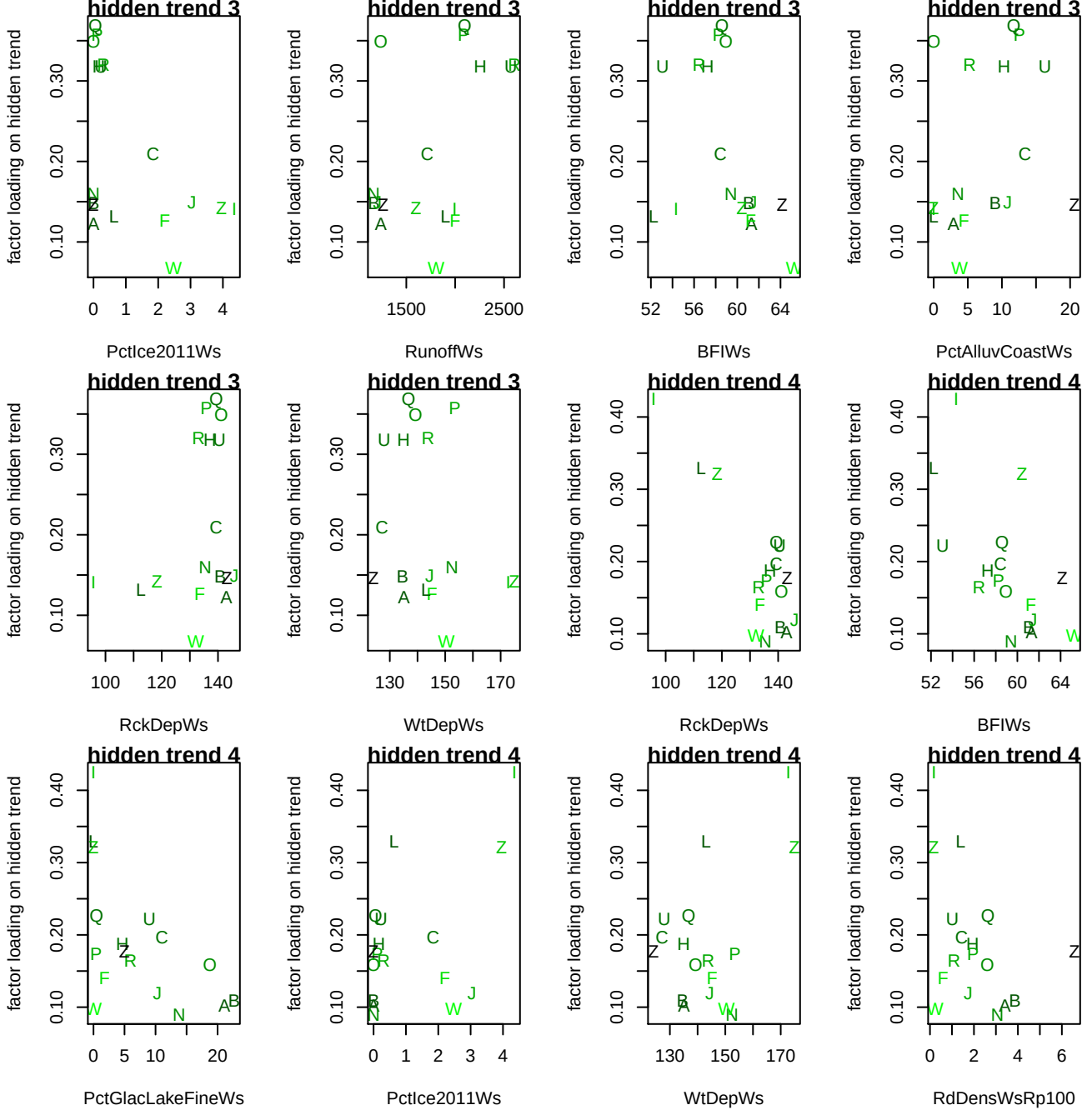

hidden trend 1
hidden trend 2
factor loading on hidden trend
PctGlacLakeFineWs
PctIce2011Ws
RdDensWsRp100
RckDepWs
WsAreaOver1000
ElevWs
ElevWs
RdDensWsRp100
PctUrbOp2011WsRp10(
WsAreaSqKm
PctUrbHi2011WsRp100
PctImp2006WsRp100


hidden trend 3
factor loading on hidden trend
PctIce2011Ws
hidden trend 3
RunoffWs
hidden trend 3
BFIWs
hidden trend 3
PctAlluvCoastWs
hidden trend 3
RckDepWs
hidden trend 3
WtDepWs
hidden trend 4
RckDepWs
hidden trend 4
BFIWs
hidden trend 4
PctGlacLakeFineWs
hidden trend 4
PctIce2011Ws
hidden trend 4
WtDepWs
hidden trend 4
RdDensWsRp100