z\_3

mu

116.2937 170.5050 85.1162

123.2208 113.9687 131.2001

153.2467 168.1738 130.4803

var

(:,:,1) =

1.0e+03 \*

1.5452 -0.1625 0.3339

-0.1625 0.0476 -0.0555

0.3339 -0.0555 0.1162

(:,:,2) =

65.0278 7.0918 -8.3061

7.0918 15.5652 -8.7615

-8.3061 -8.7615 11.3156

(:,:,3) =

1.0e+03 \*

1.6525 0.0498 -0.0044

0.0498 0.0085 -0.0004

-0.0044 -0.0004 0.0071

alpha

0.1796

0.5990

0.2214

iter

48.5000

log\_like

-5.8649e+05

Elapsed time is 199.839879 seconds.

z\_4

mu

170.5105 96.9045 120.9310 68.0241

113.9642 132.3084 122.8437 129.7433

168.1855 129.5831 154.3288 131.9753

var

(:,:,1) =

64.6580 6.9643 -8.1762

6.9643 15.5033 -8.6798

-8.1762 -8.6798 11.1971

(:,:,2) =

1.0e+03 \*

2.2968 0.0635 0.0184

0.0635 0.0107 0.0011

0.0184 0.0011 0.0050

(:,:,3) =

1.0e+03 \*

1.3852 -0.1413 0.2746

-0.1413 0.0484 -0.0522

0.2746 -0.0522 0.1030

(:,:,4) =

371.8118 -9.0585 -14.4528

-9.0585 2.6084 -0.8092

-14.4528 -0.8092 9.9131

alpha

0.5979

0.1223

0.1707

0.1091

iter

128.5000

log\_like

-5.8409e+05

Elapsed time is 799.031646 seconds.

z\_5

mu

67.0562 111.7578 171.0676 170.5424 130.3434

130.0052 123.0182 123.0378 114.0039 133.9785

130.8341 153.4703 153.6117 168.1802 129.1247

var

(:,:,1) =

714.3223 -3.6447 7.3478

-3.6447 2.7514 -0.2624

7.3478 -0.2624 6.7077

(:,:,2) =

1.0e+03 \*

1.4700 -0.1963 0.3834

-0.1963 0.0517 -0.0621

0.3834 -0.0621 0.1263

(:,:,3) =

86.0880 -28.6072 27.7985

-28.6072 71.6477 -96.4471

27.7985 -96.4471 143.0634

(:,:,4) =

64.2407 7.5333 -8.5867

7.5333 15.9434 -8.7015

-8.5867 -8.7015 10.8384

(:,:,5) =

803.8676 -2.2352 9.3895

-2.2352 11.5380 1.9501

9.3895 1.9501 4.0653

alpha

0.1588

0.1690

0.0248

0.5897

0.0577

iter

78.5000

log\_like

-5.8163e+05

Elapsed time is 642.499737 seconds.

c\_3

mu

44.9176 88.9580 103.4575

122.7525 114.4203 122.2659

137.4260 149.0640 142.4077

var

(:,:,1) =

555.3087 -111.4581 166.8603

-111.4581 28.5269 -38.3747

166.8603 -38.3747 55.3619

(:,:,2) =

31.5025 -0.0033 0.1312

-0.0033 0.5027 -0.0662

0.1312 -0.0662 1.0929

(:,:,3) =

909.6809 36.7859 21.4082

36.7859 18.8247 -18.7986

21.4082 -18.7986 26.9105

alpha

0.0898

0.8362

0.0740

iter

53.5000

log\_like

-3.9502e+05

c\_5

mu

89.0993 89.6118 65.3603 104.8281

115.0000 114.0000 118.4615 122.4972

148.9743 149.1047 143.3611 142.2809

var

(:,:,1) =

30.5452 0.0000 -0.0512

0.0000 0.0000 0.0000

-0.0512 0.0000 1.0598

(:,:,2) =

29.9671 0.0000 0.2369

0.0000 0.0000 0.0000

0.2369 0.0000 1.1082

(:,:,3) =

684.5259 -137.1590 197.2012

-137.1590 32.4052 -42.7310

197.2012 -42.7310 60.7293

(:,:,4) =

922.0217 25.3577 32.5537

25.3577 20.2550 -21.3536

32.5537 -21.3536 30.5474

alpha

0.3303

0.4157

0.1832

0.0708

iter

92.5000

c\_4

mu

89.5688 115.7220 47.6182 59.0605 89.0243

119.6329 120.9103 121.6224 128.8395 114.4198

143.3400 146.0548 138.8496 131.3482 149.0678

var

(:,:,1) =

404.0340 18.4427 -6.6297

18.4427 11.1541 -10.6118

-6.6297 -10.6118 13.2887

(:,:,2) =

847.8421 93.9908 -70.5503

93.9908 11.9781 -9.3638

-70.5503 -9.3638 9.1884

(:,:,3) =

497.9702 -106.2508 148.1156

-106.2508 28.1182 -35.3963

148.1156 -35.3963 47.6168

(:,:,4) =

1.0e+03 \*

1.9339 -0.0029 0.1623

-0.0029 0.0007 -0.0005

0.1623 -0.0005 0.0155

(:,:,5) =

30.7832 -0.0599 0.1119

-0.0599 0.4773 -0.0658

0.1119 -0.0658 1.0885

alpha

0.0353

0.0342

0.0741

0.0270

0.8294

iter

76.5000

log\_like

-3.9222e+05

c\_5\_1

mu

83.6937 90.6614 39.1229 100.9538 91.1220

114.4680 128.4133 123.8791 119.8929 114.3995

149.5339 134.4041 135.8110 144.8283 148.8553

var

(:,:,1) =

30.0201 0.4968 2.8663

0.4968 1.0665 -0.0733

2.8663 -0.0733 1.1944

(:,:,2) =

1.0e+03 \*

2.3868 -0.0309 0.2034

-0.0309 0.0017 -0.0034

0.2034 -0.0034 0.0202

(:,:,3) =

398.2709 -73.0413 115.2438

-73.0413 18.2491 -25.1393

115.2438 -25.1393 37.8474

(:,:,4) =

614.0717 45.8292 -8.3927

45.8292 7.4170 -4.4546

-8.3927 -4.4546 7.8459

(:,:,5) =

17.2771 -0.0333 0.6754

-0.0333 0.3160 -0.0703

0.6754 -0.0703 0.9147

alpha

0.2644

0.0257

0.0697

0.0565

0.5837

iter

158.5000

Elapsed time is 1211.039442 seconds.