>> clear

>> AsymGibbs

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* k = 2 \*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Initialization:

Confusion Matrix for K-means :

Confusion Matrix :

confMtx =

11742 13449

1 0

Accuracy :

accur =

0.4661

ans =

0.5339

Confusion Matrix for GMM :

Confusion Matrix :

confMtx =

11742 13449

1 0

Accuracy :

accur =

0.4661

ans =

0.5339

\*\*\*\* Round = 1 \*\*\*\* k =2

Data R = 101161636304.9636

Mu Prior R = -0.24162

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Mu R = 0

Final R = 101161636304.722

Jump accepted! k = 2

\*\*\*\* Round = 2 \*\*\*\* k =2

Data R = 6950424.0792

Mu Prior R = -0.10138

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Mu R = 0

Final R = 6950423.9778

Jump accepted! k = 2

----------------- birth start --------------------

Final acceptance ratio =

1.5571

birth accepted!

death accepted!

\*\*\*\* Round = 3 \*\*\*\* k =2

Data R = -30488525.7424

Mu Prior R = 0.075969

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Mu R = 0

Final R = -30488525.6665

----------------- birth start --------------------

Final acceptance ratio =

1.1340

birth accepted!

death accepted!

\*\*\*\* Round = 4 \*\*\*\* k =2

Data R = 30076226.9911

Mu Prior R = -0.013238

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Mu R = 0

Final R = 30076226.9779

Jump accepted! k = 2

\*\*\*\* Round = 5 \*\*\*\* k =2

Data R = -90576609.8956

Mu Prior R = -0.044951

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Mu R = 0

Final R = -90576609.9406

----------------- birth start --------------------

Final acceptance ratio =

1.4436

birth accepted!

death accepted!

\*\*\*\* Round = 6 \*\*\*\* k =2

Data R = 90338580.6968

Mu Prior R = 0.018887

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Mu R = 0

Final R = 90338580.7157

Jump accepted! k = 2

\*\*\*\* Round = 7 \*\*\*\* k =2

Data R = 993844.0486

Mu Prior R = -0.14352

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Mu R = 0

Final R = 993843.9051

Jump accepted! k = 2

----------------- birth start --------------------

Final acceptance ratio =

1.6637

birth accepted!

death accepted!

\*\*\*\* Round = 8 \*\*\*\* k =2

Data R = 143506.3687

Mu Prior R = 0.044699

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Mu R = 0

Final R = 143506.4134

Jump accepted! k = 2

\*\*\*\* Round = 9 \*\*\*\* k =2

Data R = -14083089.6804

Mu Prior R = -0.060357

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Mu R = 0

Final R = -14083089.7407

----------------- birth start --------------------

Final acceptance ratio =

0.9325

birth accepted!

death accepted!

\*\*\*\* Round = 10 \*\*\*\* k =2

Data R = 14001500.6605

Mu Prior R = -0.10881

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 208)

Warning: Matrix is close to singular or badly scaled. Results may be inaccurate. RCOND = 2.960379e-26.

> In mvnpdf (line 132)

In AsymGibbs (line 209)

Mu R = 0

Final R = 14001500.5517

Jump accepted! k = 2

----------------- birth start --------------------

Final acceptance ratio =

1.5294

birth accepted!

death accepted!

results:

Mu Array :

1.0e+08 \*

Columns 1 through 13

0.0000 0.0002 0.0000 0.0001 0.0001 0.0000 -0.0000 0.0000 0.0000 0.0000 -0.0000 0.0000 0.0000

0.0004 0.0002 0.0000 0.0000 3.8171 0.0000 -0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 -0.0000

Columns 14 through 26

0.0000 0.0000 0.0000 -0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

0.0000 -0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Columns 27 through 39

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000

Sigma Array :

1.0e+06 \*

0.0003 0.0164

0.0147 0.0033

0.0030 0.0035

0.0063 0.0039

0.0089 1.2086

0.0032 0.2833

0.0000 0.0000

0.0000 0.0000

0.0000 0.0000

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Confusion Matrix :

confMtx =

11742 13449

1 0

Accuracy :

accur =

0.4661

ans =

0.5339

marginalLikelihood =

-3.2662e+06

Feature Relevancy =

Columns 1 through 22

0 0 1 1 1 1 1 0 1 0 1 1 1 0 1 1 1 1 1 0 1 0

Columns 23 through 39

0 0 1 0 1 0 0 1 1 1 0 0 0 1 0 0 1

>>