>>

>> AsymGibbs

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

Initialization:

Confusion Matrix for K-means :

Confusion Matrix :

confMtx =

8886 66

2857 13383

Accuracy :

accur =

0.8840

ans =

0.1160

Confusion Matrix for GMM :

Confusion Matrix :

confMtx =

8871 25

2872 13424

Accuracy :

accur =

0.8850

ans =

0.1150

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

Data R = 8504.4664

Mu Prior R = 0.12904

Sigma Prior R = 0.039526

Mu R = 0

Final R = 8504.6349

Jump accepted! k = 2

death accepted!

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

Data R = -1025201.4323

Mu Prior R = -0.089022

Sigma Prior R = 0.07687

Mu R = 0

Final R = -1025201.4445

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

Final acceptance ratio =

-0.8433

\*\*\*\* Round = 3 \*\*\*\* k =1

Data R = -4140322469.6291

Mu Prior R = 0.077993

Sigma Prior R = -0.075412

Mu R = 0

Final R = -4140322469.6265

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

Final acceptance ratio =

0.1570

birth accepted!

death accepted!

\*\*\*\* Round = 4 \*\*\*\* k =1

Data R = -118886.7052

Mu Prior R = -0.053662

Sigma Prior R = -0.63742

Mu R = 0

Final R = -118887.3963

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

Final acceptance ratio =

-0.4990

\*\*\*\* Round = 5 \*\*\*\* k =1

Data R = -25431639.3781

Mu Prior R = -0.32194

Sigma Prior R = -0.19375

Mu R = 0

Final R = -25431639.8938

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

Final acceptance ratio =

0.1020

birth accepted!

death accepted!

\*\*\*\* Round = 6 \*\*\*\* k =1

Data R = -36071.0977

Mu Prior R = -0.0040024

Sigma Prior R = 0.0071094

Mu R = 0

Final R = -36071.0946

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

Final acceptance ratio =

-0.3220

\*\*\*\* Round = 7 \*\*\*\* k =1

Data R = -801.857

Mu Prior R = 0.15197

Sigma Prior R = -0.16698

Mu R = 0

Final R = -801.872

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

Final acceptance ratio =

-1.6419

\*\*\*\* Round = 8 \*\*\*\* k =1

Data R = 7502.9196

Mu Prior R = -0.11006

Sigma Prior R = 0.61601

Mu R = 0

Final R = 7503.4256

Jump accepted! k = 1

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

Final acceptance ratio =

0.1658

birth accepted!

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

Data R = 9327.3759

Mu Prior R = 0.43073

Sigma Prior R = -0.62681

Mu R = 0

Final R = 9327.1798

Jump accepted! k = 2

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

Final acceptance ratio =

0.6746

birth accepted!

death accepted!

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

Data R = 6052.0043

Mu Prior R = 0.19447

Sigma Prior R = 0.70546

Mu R = 0

Final R = 6052.9043

Jump accepted! k = 2

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

Final acceptance ratio =

0.9500

birth accepted!

death accepted!

results:

Mu Array :

Columns 1 through 13

0.0476 1.9560 1.0232 0.7044 -1.6394 -0.7940 -0.3175 -0.5155 0.5797 1.2254 1.2205 1.1087 0.9023

1.2208 1.5352 1.4862 0.6866 -0.5446 -0.3673 -0.8219 0.6484 -2.1089 -0.9622 2.4797 -0.0156 2.0180

Columns 14 through 26

0.3115 -0.5673 -1.3949 2.2071 -0.7021 2.3958 -0.0328 -0.0477 -1.0335 0.3537 0.1173 0.6594 1.3361

-2.1375 -0.9093 -1.0700 0.0897 -1.0519 -0.8053 0.0000 0.0000 -0.6292 0.0007 0.3581 1.0465 -1.5429

Columns 27 through 39

2.8490 0.1663 0.9993 -0.4256 0.0579 -0.0082 1.0075 1.6504 -0.4513 -0.1523 -1.4329 0.5015 -0.6485

-0.3932 1.7722 2.0661 -0.3496 -0.3609 1.1009 1.8424 -0.1910 0.0913 -0.6370 0.1339 -0.5840 -0.6773

Columns 40 through 42

1.3996 -0.5166 -0.9014

0.0755 -2.5637 -0.0151

Sigma Array :

1.0432 2.1908

1.8839 1.0344

2.7464 1.0459

0.4606 0.2553

1.0051 1.9683

0.9605 3.9431

0.9367 1.6079

0.9836 0.9914

1.8082 0.6529

2.7656 1.0529

2.2298 1.0105

0.9052 0.9414

0.8069 0.0995

1.8382 0.3229

1.0219 0.9348

0.9900 2.4284

1.8309 0.9625

0.9395 0.1965

1.5708 0.9897

0.0334 0.9931

0.1743 0.9758

0.9590 1.5318

2.9187 1.3432

0.5952 0.4077

1.9029 1.7398

2.1164 0.9641

2.0077 0.9566

0.1747 0.1115

0.3708 1.0651

0.9578 0.7180

0.0330 1.9797

1.0548 1.7552

0.9418 1.0149

0.5571 1.0229

0.9953 1.5310

1.0657 0.5233

0.9851 1.4321

2.0062 0.6672

0.9595 0.4278

1.4306 1.0905

0.8656 0.7295

1.0788 2.1483

0.5009 1.0000

0.9897 1.0000

1.0078 1.0000

0.7171 0.1872

1.0000 2.4473

1.0000 1.5558

1.0000 1.3643

0.1693 1.2466

1.0000 1.3621

1.0000 1.0372

0.6700 1.0000

1.0000 1.0830

0.3063 1.0000

1.0000 1.7300

1.0000 3.3217

1.0000 0.4594

0.2036 1.9423

1.0000 3.0861

1.0000 0.9790

0 1.0000

0 1.0000

1.0000 1.6712

0.0004 2.9920

2.1135 0.3531

1.2207 1.0000

1.0000 1.0799

1.0000 2.9461

1.8534 1.0000

4.0528 1.0000

1.0000 1.9438

1.0000 1.8630

2.6580 1.0000

1.6196 1.0000

1.0000 3.5971

0.0365 1.4216

1.0000 2.2525

0.3693 0.2169

1.0000 2.3186

1.0000 2.0033

2.7919 0.3531

1.0000 2.2634

1.0000 0.6422

Confusion Matrix :

confMtx =

9291 12862

2452 587

Accuracy :

accur =

0.3921

ans =

0.6079

marginalLikelihood =

-9.3396e+05

Feature Relevancy =

Columns 1 through 22

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

Columns 23 through 42

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

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