estebans-mbp-2:report esteban$ python experiment\_2.py

iterations: 83 max\_log\_likelihood: -1609.721152262162377 time: 12.515644984901883

iterations: 28 total\_mahalanobis\_distance\_to\_cluster\_centers: 513.107498175 time: 3.5083886430365965

iterations: 12 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.13470227899961174

iterations: 96 max\_log\_likelihood: -1609.721152071597089 time: 14.376948078046553

iterations: 25 total\_mahalanobis\_distance\_to\_cluster\_centers: 513.107498175 time: 3.0881182180019096

iterations: 9 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.10589701996650547

iterations: 67 max\_log\_likelihood: -1609.721152966914815 time: 10.092152834055014

iterations: 10 total\_mahalanobis\_distance\_to\_cluster\_centers: 504.190712773 time: 1.3075141749577597

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.1250463759060949

iterations: 61 max\_log\_likelihood: -1609.721148672458639 time: 9.116670107003301

iterations: 14 total\_mahalanobis\_distance\_to\_cluster\_centers: 508.311225715 time: 1.7969749990152195

iterations: 12 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.14664428099058568

iterations: 100 max\_log\_likelihood: -1609.721482144445645 time: 14.686192680033855

iterations: 16 total\_mahalanobis\_distance\_to\_cluster\_centers: 510.401935695 time: 1.935051677050069

iterations: 8 total\_euclidian\_distance\_to\_cluster\_centers 854.5643847708382 time 0.08600866701453924

iterations: 56 max\_log\_likelihood: -1609.721148254810942 time: 8.187975225038826

iterations: 12 total\_mahalanobis\_distance\_to\_cluster\_centers: 504.468154558 time: 1.4482424020534381

iterations: 9 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.09849554602988064

iterations: 56 max\_log\_likelihood: -1609.721152652393585 time: 8.161477036075667

iterations: 22 total\_mahalanobis\_distance\_to\_cluster\_centers: 507.545648257 time: 2.71250239899382

iterations: 9 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.10260533692780882

iterations: 63 max\_log\_likelihood: -1609.721152651756938 time: 9.434721525991336

iterations: 28 total\_mahalanobis\_distance\_to\_cluster\_centers: 513.57619293 time: 3.4792088749818504

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.1228484270395711

iterations: 59 max\_log\_likelihood: -1609.721148982959676 time: 8.860180357005447

iterations: 16 total\_mahalanobis\_distance\_to\_cluster\_centers: 516.106378308 time: 2.0171736909542233

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.13028760300949216

iterations: 60 max\_log\_likelihood: -1609.721149043665037 time: 8.954109569080174

iterations: 19 total\_mahalanobis\_distance\_to\_cluster\_centers: 517.947247832 time: 2.355395042919554

iterations: 12 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.13902231701649725

iterations: 71 max\_log\_likelihood: -1609.721152185008350 time: 10.461344870971516

iterations: 32 total\_mahalanobis\_distance\_to\_cluster\_centers: 511.672051706 time: 4.023623540997505

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 803.8745374912135 time 0.11962523392867297

iterations: 47 max\_log\_likelihood: -1609.721152066970035 time: 7.318031860981137

iterations: 15 total\_mahalanobis\_distance\_to\_cluster\_centers: 506.367560908 time: 1.9031861319672316

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.11853497207630426

iterations: 51 max\_log\_likelihood: -1609.721149450181201 time: 7.790442946949042

iterations: 25 total\_mahalanobis\_distance\_to\_cluster\_centers: 507.085947868 time: 3.108849946060218

iterations: 8 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.09499276091810316

iterations: 81 max\_log\_likelihood: -1609.721149231329264 time: 12.300164213054813

iterations: 4 total\_mahalanobis\_distance\_to\_cluster\_centers: 516.867649426 time: 0.5388276280136779

iterations: 9 total\_euclidian\_distance\_to\_cluster\_centers 803.8745374912135 time 0.10515504202339798

iterations: 69 max\_log\_likelihood: -1609.721152243447705 time: 10.470434674061835

iterations: 12 total\_mahalanobis\_distance\_to\_cluster\_centers: 522.238757254 time: 1.5380030889064074

iterations: 13 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.14038494799751788

iterations: 51 max\_log\_likelihood: -1609.721149525430064 time: 7.627368369023316

iterations: 14 total\_mahalanobis\_distance\_to\_cluster\_centers: 507.545648257 time: 1.7466974810231477

iterations: 7 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.07764517108444124

iterations: 61 max\_log\_likelihood: -1609.721152742419918 time: 9.315352306002751

iterations: 12 total\_mahalanobis\_distance\_to\_cluster\_centers: 506.455278119 time: 1.510330698103644

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 803.8745374912135 time 0.11919085204135627

iterations: 58 max\_log\_likelihood: -1609.721149044440608 time: 8.61442590993829

iterations: 15 total\_mahalanobis\_distance\_to\_cluster\_centers: 507.742305251 time: 1.852128857979551

iterations: 9 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.10805296094622463

iterations: 40 max\_log\_likelihood: -1637.405782971323106 time: 5.932908958988264

iterations: 12 total\_mahalanobis\_distance\_to\_cluster\_centers: 512.877451323 time: 1.4701155750080943

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.10541429498698562

iterations: 45 max\_log\_likelihood: -1609.721148405141548 time: 6.630021215067245

iterations: 10 total\_mahalanobis\_distance\_to\_cluster\_centers: 515.092181705 time: 1.2119581199949607

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.11182635510340333

iterations: 62 max\_log\_likelihood: -1609.721148870846264 time: 9.036719019990414

iterations: 16 total\_mahalanobis\_distance\_to\_cluster\_centers: 508.884824793 time: 1.9481612589443102

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.11420052696485072

iterations: 100 max\_log\_likelihood: -1609.721166816759478 time: 14.48687362903729

iterations: 11 total\_mahalanobis\_distance\_to\_cluster\_centers: 509.861418429 time: 1.330983669962734

iterations: 14 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.15337395702954382

iterations: 67 max\_log\_likelihood: -1609.721153078798807 time: 9.70188036095351

iterations: 11 total\_mahalanobis\_distance\_to\_cluster\_centers: 508.608056141 time: 1.3392484179930761

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.11344120604917407

iterations: 64 max\_log\_likelihood: -1609.721148985740456 time: 9.298821810050867

iterations: 14 total\_mahalanobis\_distance\_to\_cluster\_centers: 507.964053852 time: 1.6823621270013973

iterations: 8 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.08762798097450286

iterations: 59 max\_log\_likelihood: -1609.721149620558435 time: 8.600305526982993

iterations: 46 total\_mahalanobis\_distance\_to\_cluster\_centers: 507.891664793 time: 5.526485093985684

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.12389005697332323

iterations: 68 max\_log\_likelihood: -1609.721153052450973 time: 9.873449985985644

iterations: 6 total\_mahalanobis\_distance\_to\_cluster\_centers: 506.983759385 time: 0.7116083890432492

iterations: 12 total\_euclidian\_distance\_to\_cluster\_centers 803.8745374912135 time 0.12971087207552046

iterations: 61 max\_log\_likelihood: -1609.721148168021728 time: 8.858116560033523

iterations: 19 total\_mahalanobis\_distance\_to\_cluster\_centers: 508.535930354 time: 2.3043062560027465

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.10372086707502604

iterations: 91 max\_log\_likelihood: -1609.721152320810006 time: 13.152789920917712

iterations: 13 total\_mahalanobis\_distance\_to\_cluster\_centers: 508.926908568 time: 1.5617340339813381

iterations: 14 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.15411431901156902

iterations: 100 max\_log\_likelihood: -1644.478603248396894 time: 14.549550362979062

iterations: 6 total\_mahalanobis\_distance\_to\_cluster\_centers: 514.550046379 time: 0.7297103049932048

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 803.8745374912135 time 0.11742248688824475

iterations: 61 max\_log\_likelihood: -1609.721152887106200 time: 8.917801221017726

iterations: 16 total\_mahalanobis\_distance\_to\_cluster\_centers: 509.024268021 time: 1.9236464919522405

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 581.590496285722 time 0.122848154976964

estebans-mbp-2:report esteban$

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estebans-mbp-2:report esteban$

estebans-mbp-2:report esteban$

estebans-mbp-2:report esteban$ python experiment\_2.py

iterations: 100 max\_log\_likelihood: -2177.067193526100255 time: 21.952261631027795

iterations: 5 total\_mahalanobis\_distance\_to\_cluster\_centers: 746.174111293 time: 0.9310867029707879

iterations: 12 total\_euclidian\_distance\_to\_cluster\_centers 665.1262463139641 time 0.20756017102394253

iterations: 18 max\_log\_likelihood: -1829.330777766860592 time: 3.9300969729665667

iterations: 12 total\_mahalanobis\_distance\_to\_cluster\_centers: 752.269105352 time: 2.223594118026085

iterations: 6 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.10623848997056484

iterations: 100 max\_log\_likelihood: -2237.092535425650567 time: 21.883313892991282

iterations: 17 total\_mahalanobis\_distance\_to\_cluster\_centers: 752.780547798 time: 3.1118288959842175

iterations: 7 total\_euclidian\_distance\_to\_cluster\_centers 1213.9001992027884 time 0.12003290199209005

iterations: 25 max\_log\_likelihood: -1829.330747206669002 time: 5.459109583054669

iterations: 15 total\_mahalanobis\_distance\_to\_cluster\_centers: 747.581483549 time: 2.7590353270061314

iterations: 8 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.12565338902641088

iterations: 24 max\_log\_likelihood: -1829.330776048231201 time: 5.219561256002635

iterations: 10 total\_mahalanobis\_distance\_to\_cluster\_centers: 763.248207958 time: 1.8551394050009549

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.17565258499234915

iterations: 28 max\_log\_likelihood: -1829.330885170550346 time: 6.089973627007566

iterations: 29 total\_mahalanobis\_distance\_to\_cluster\_centers: 763.577644169 time: 5.248909438960254

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 665.1262463139641 time 0.1756827139761299

iterations: 27 max\_log\_likelihood: -1829.330757858366269 time: 5.8486490700161085

iterations: 15 total\_mahalanobis\_distance\_to\_cluster\_centers: 747.581483549 time: 2.7027106289751828

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 1071.1372073825848 time 0.08077810192480683

iterations: 24 max\_log\_likelihood: -1829.330778476605019 time: 5.204402870964259

iterations: 41 total\_mahalanobis\_distance\_to\_cluster\_centers: 763.577644169 time: 7.4085987149737775

iterations: 9 total\_euclidian\_distance\_to\_cluster\_centers 665.1262463139641 time 0.14615190692711622

iterations: 100 max\_log\_likelihood: -2194.785249611705240 time: 21.520916035980918

iterations: 11 total\_mahalanobis\_distance\_to\_cluster\_centers: 749.42378686 time: 1.9578192880144343

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 991.3264317389155 time 0.1652024460490793

iterations: 24 max\_log\_likelihood: -1829.330783334906755 time: 5.228226956911385

iterations: 26 total\_mahalanobis\_distance\_to\_cluster\_centers: 763.577644169 time: 4.712319309008308

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 665.1262463139641 time 0.17852570698596537

iterations: 26 max\_log\_likelihood: -1829.330765053414098 time: 5.600833525066264

iterations: 15 total\_mahalanobis\_distance\_to\_cluster\_centers: 776.201977319 time: 2.709319364046678

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.16506948904134333

iterations: 28 max\_log\_likelihood: -1829.330785721577286 time: 6.051483978051692

iterations: 16 total\_mahalanobis\_distance\_to\_cluster\_centers: 757.453376763 time: 2.9127805199241266

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 1071.1372073825848 time 0.0831407819641754

iterations: 24 max\_log\_likelihood: -1829.330782167049165 time: 5.2180496819783

iterations: 12 total\_mahalanobis\_distance\_to\_cluster\_centers: 745.428445837 time: 2.199801114969887

iterations: 12 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.19398390606511384

iterations: 19 max\_log\_likelihood: -1829.330776953672967 time: 4.151689681923017

iterations: 21 total\_mahalanobis\_distance\_to\_cluster\_centers: 745.60810312 time: 3.8188965379958972

iterations: 9 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.14901678508613259

iterations: 24 max\_log\_likelihood: -1829.330884988759635 time: 5.143869539955631

iterations: 29 total\_mahalanobis\_distance\_to\_cluster\_centers: 763.577644169 time: 5.280734859989025

iterations: 3 total\_euclidian\_distance\_to\_cluster\_centers 1071.1372073825848 time 0.05453677906189114

iterations: 30 max\_log\_likelihood: -1829.330766231028520 time: 6.527719634003006

iterations: 19 total\_mahalanobis\_distance\_to\_cluster\_centers: 754.860494826 time: 3.4632357410155237

iterations: 8 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.13567803998012096

iterations: 22 max\_log\_likelihood: -1829.330712597989077 time: 4.732871268992312

iterations: 18 total\_mahalanobis\_distance\_to\_cluster\_centers: 758.336081035 time: 3.2665258100023493

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 665.1262463139641 time 0.19049373792950064

iterations: 20 max\_log\_likelihood: -1829.330884624128657 time: 4.384734415914863

iterations: 23 total\_mahalanobis\_distance\_to\_cluster\_centers: 748.299992808 time: 4.192347300006077

iterations: 8 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.13520500401500612

iterations: 22 max\_log\_likelihood: -1829.330885384132216 time: 4.767077305004932

iterations: 35 total\_mahalanobis\_distance\_to\_cluster\_centers: 744.97281185 time: 6.4074498859699816

iterations: 12 total\_euclidian\_distance\_to\_cluster\_centers 665.1262463139641 time 0.19369878200814128

iterations: 17 max\_log\_likelihood: -1829.330795924344557 time: 3.7372310670325533

iterations: 17 total\_mahalanobis\_distance\_to\_cluster\_centers: 752.269105352 time: 3.06948922900483

iterations: 7 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.11086862499359995

iterations: 23 max\_log\_likelihood: -1829.330802924340787 time: 4.955567170982249

iterations: 9 total\_mahalanobis\_distance\_to\_cluster\_centers: 750.735552885 time: 1.6489641099469736

iterations: 8 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.13822701608296484

iterations: 100 max\_log\_likelihood: -2240.555411151532553 time: 21.485777070047334

iterations: 13 total\_mahalanobis\_distance\_to\_cluster\_centers: 750.457907703 time: 2.3389471659902483

iterations: 15 total\_euclidian\_distance\_to\_cluster\_centers 665.1262463139641 time 0.24950171203818172

iterations: 21 max\_log\_likelihood: -1829.330782185115822 time: 4.574317579041235

iterations: 14 total\_mahalanobis\_distance\_to\_cluster\_centers: 752.269105352 time: 2.545583495986648

iterations: 8 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.12736732803750783

iterations: 35 max\_log\_likelihood: -1829.330798036825854 time: 7.659090425004251

iterations: 17 total\_mahalanobis\_distance\_to\_cluster\_centers: 753.761310088 time: 3.122637073043734

iterations: 6 total\_euclidian\_distance\_to\_cluster\_centers 1213.5838192607105 time 0.09966969396919012

iterations: 26 max\_log\_likelihood: -1829.330771272153697 time: 5.643369656056166

iterations: 13 total\_mahalanobis\_distance\_to\_cluster\_centers: 763.248207958 time: 2.368172585964203

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 1071.1372073825848 time 0.07965105993207544

iterations: 16 max\_log\_likelihood: -1829.330885000971421 time: 3.4921857500448823

iterations: 8 total\_mahalanobis\_distance\_to\_cluster\_centers: 752.269105352 time: 1.4538804070325568

iterations: 8 total\_euclidian\_distance\_to\_cluster\_centers 665.1262463139641 time 0.12638902408070862

iterations: 18 max\_log\_likelihood: -2000.045314190431100 time: 3.92176160402596

iterations: 9 total\_mahalanobis\_distance\_to\_cluster\_centers: 752.269105352 time: 1.6391364689916372

iterations: 9 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.15318661101628095

iterations: 28 max\_log\_likelihood: -1829.330762155468392 time: 6.136757161002606

iterations: 10 total\_mahalanobis\_distance\_to\_cluster\_centers: 754.670268197 time: 1.8298876059707254

iterations: 6 total\_euclidian\_distance\_to\_cluster\_centers 1213.9001992027884 time 0.09995835891459137

iterations: 24 max\_log\_likelihood: -1829.330767774769583 time: 5.219697634107433

iterations: 8 total\_mahalanobis\_distance\_to\_cluster\_centers: 763.248207958 time: 1.4713150300085545

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.16928393999114633

iterations: 19 max\_log\_likelihood: -1829.330884868649946 time: 4.124588598031551

iterations: 13 total\_mahalanobis\_distance\_to\_cluster\_centers: 760.191404461 time: 2.4063036650186405

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 665.0354329367673 time 0.08424371795263141

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estebans-mbp-2:report esteban$ python experiment\_2.py

iterations: 100 max\_log\_likelihood: -2538.715386546533409 time: 22.245260100928135

iterations: 13 total\_mahalanobis\_distance\_to\_cluster\_centers: 821.96810215 time: 2.4474432660499588

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 1550.596939654426 time 0.080567272962071

iterations: 10 max\_log\_likelihood: -2342.725165878511234 time: 2.212287103990093

iterations: 4 total\_mahalanobis\_distance\_to\_cluster\_centers: 779.247729253 time: 0.748277596081607

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.08906767808366567

iterations: 11 max\_log\_likelihood: -2342.725165665220175 time: 2.4599968570983037

iterations: 12 total\_mahalanobis\_distance\_to\_cluster\_centers: 750.330498548 time: 2.226105017005466

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.08122449810616672

iterations: 18 max\_log\_likelihood: -2342.725165617849143 time: 4.042021443019621

iterations: 7 total\_mahalanobis\_distance\_to\_cluster\_centers: 785.950515094 time: 1.302167447982356

iterations: 7 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.11526955396402627

iterations: 25 max\_log\_likelihood: -2342.725165548619316 time: 5.536792718106881

iterations: 6 total\_mahalanobis\_distance\_to\_cluster\_centers: 786.070368144 time: 1.1001598649891093

iterations: 6 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.10314332495909184

iterations: 33 max\_log\_likelihood: -2342.725165619718155 time: 7.23871850897558

iterations: 7 total\_mahalanobis\_distance\_to\_cluster\_centers: 781.427823122 time: 1.2931780419312418

iterations: 13 total\_euclidian\_distance\_to\_cluster\_centers 1499.8541993022775 time 0.2151954990113154

iterations: 11 max\_log\_likelihood: -2342.725165926683076 time: 2.430471536004916

iterations: 14 total\_mahalanobis\_distance\_to\_cluster\_centers: 750.330498548 time: 2.602212755009532

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.08196971891447902

iterations: 10 max\_log\_likelihood: -2342.725165909112548 time: 2.1943265029694885

iterations: 6 total\_mahalanobis\_distance\_to\_cluster\_centers: 767.071531484 time: 1.1181978039676324

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.08355537406168878

iterations: 23 max\_log\_likelihood: -2342.725165921380267 time: 5.0979958600364625

iterations: 7 total\_mahalanobis\_distance\_to\_cluster\_centers: 785.008409793 time: 1.2947955010458827

iterations: 6 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.10092111397534609

iterations: 12 max\_log\_likelihood: -2342.725165608195766 time: 2.613030181033537

iterations: 15 total\_mahalanobis\_distance\_to\_cluster\_centers: 770.41565678 time: 2.7492280699079856

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.0820726890815422

iterations: 22 max\_log\_likelihood: -2342.725165910330361 time: 4.813080864958465

iterations: 10 total\_mahalanobis\_distance\_to\_cluster\_centers: 776.67244256 time: 1.8493020490277559

iterations: 11 total\_euclidian\_distance\_to\_cluster\_centers 1499.8541993022775 time 0.17478103993926197

iterations: 13 max\_log\_likelihood: -2342.725165929466584 time: 2.8306850170483813

iterations: 21 total\_mahalanobis\_distance\_to\_cluster\_centers: 780.322638708 time: 3.888737370027229

iterations: 6 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.09857111400924623

iterations: 11 max\_log\_likelihood: -2531.384774864284282 time: 2.4152060479391366

iterations: 23 total\_mahalanobis\_distance\_to\_cluster\_centers: 776.889074431 time: 4.252229925012216

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 1550.596939654426 time 0.08741608704440296

iterations: 22 max\_log\_likelihood: -2342.725165758323783 time: 4.830944549990818

iterations: 9 total\_mahalanobis\_distance\_to\_cluster\_centers: 784.017089952 time: 1.6762471658876166

iterations: 4 total\_euclidian\_distance\_to\_cluster\_centers 1879.6781188142024 time 0.06620074296370149

iterations: 9 max\_log\_likelihood: -2342.725166046254344 time: 1.9487259900197387

iterations: 16 total\_mahalanobis\_distance\_to\_cluster\_centers: 781.510768428 time: 2.946579557028599

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.0843139379285276

iterations: 32 max\_log\_likelihood: -2342.725165774787911 time: 7.041589589091018

iterations: 9 total\_mahalanobis\_distance\_to\_cluster\_centers: 779.95424064 time: 1.6566709469771013

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 1550.596939654426 time 0.08272436691913754

iterations: 12 max\_log\_likelihood: -2342.725165879148790 time: 2.617442972958088

iterations: 7 total\_mahalanobis\_distance\_to\_cluster\_centers: 783.663123369 time: 1.3125369480112568

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.07944149000104517

iterations: 100 max\_log\_likelihood: -2534.122122005461733 time: 21.94734423898626

iterations: 9 total\_mahalanobis\_distance\_to\_cluster\_centers: 778.969278538 time: 1.6292484330479056

iterations: 10 total\_euclidian\_distance\_to\_cluster\_centers 1499.9269510906272 time 0.17244500701781362

iterations: 19 max\_log\_likelihood: -2342.725165510838451 time: 4.206956728943624

iterations: 6 total\_mahalanobis\_distance\_to\_cluster\_centers: 783.254329018 time: 1.0956254339544103

iterations: 7 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.1122360029257834

iterations: 10 max\_log\_likelihood: -2342.725165917292543 time: 2.214048802969046

iterations: 8 total\_mahalanobis\_distance\_to\_cluster\_centers: 750.330498548 time: 1.4849515160312876

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.08222163503523916

iterations: 18 max\_log\_likelihood: -2342.725165244248274 time: 3.9691609259461984

iterations: 5 total\_mahalanobis\_distance\_to\_cluster\_centers: 778.38685396 time: 0.929389750934206

iterations: 6 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.10121391899883747

iterations: 34 max\_log\_likelihood: -2342.725165294177259 time: 7.431106160045601

iterations: 3 total\_mahalanobis\_distance\_to\_cluster\_centers: 784.244976033 time: 0.5451084630331025

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.08686157502233982

iterations: 16 max\_log\_likelihood: -2342.725165419533823 time: 3.4735913450131193

iterations: 10 total\_mahalanobis\_distance\_to\_cluster\_centers: 782.374677542 time: 1.8087596539407969

iterations: 7 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.11146991106215864

iterations: 18 max\_log\_likelihood: -2342.725165593105885 time: 3.936287021962926

iterations: 19 total\_mahalanobis\_distance\_to\_cluster\_centers: 822.522695428 time: 3.514494013041258

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.08446182904299349

iterations: 23 max\_log\_likelihood: -2342.725165249052679 time: 5.084896971005946

iterations: 12 total\_mahalanobis\_distance\_to\_cluster\_centers: 818.520013254 time: 2.223883379017934

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.07837192108854651

iterations: 11 max\_log\_likelihood: -2342.725165909840143 time: 2.4053782570408657

iterations: 15 total\_mahalanobis\_distance\_to\_cluster\_centers: 750.330498548 time: 2.8024399019777775

iterations: 5 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.07915186893660575

iterations: 14 max\_log\_likelihood: -2342.725165633045435 time: 3.0266977859428152

iterations: 7 total\_mahalanobis\_distance\_to\_cluster\_centers: 784.42281643 time: 1.309469724074006

iterations: 6 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.10370590793900192

iterations: 17 max\_log\_likelihood: -2342.725165916156584 time: 3.6989513559965417

iterations: 7 total\_mahalanobis\_distance\_to\_cluster\_centers: 786.038910498 time: 1.2834817620459944

iterations: 6 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.09920283907558769

iterations: 6 max\_log\_likelihood: -2342.725165957030185 time: 1.3138259799452499

iterations: 5 total\_mahalanobis\_distance\_to\_cluster\_centers: 750.330498548 time: 0.9261850870680064

iterations: 4 total\_euclidian\_distance\_to\_cluster\_centers 740.7081738492108 time 0.06908942200243473

iterations: 14 max\_log\_likelihood: -2342.725165798506623 time: 3.0351804390084

iterations: 4 total\_mahalanobis\_distance\_to\_cluster\_centers: 827.014053264 time: 0.7376190979266539

iterations: 6 total\_euclidian\_distance\_to\_cluster\_centers 1850.0908723602356 time 0.1007315629394725

estebans-mbp-2:report esteban$