

Clusterer output

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Number of iterations: 26
Within cluster sum of squared errors: 42.10330926720698

Initial starting points (random):

Cluster 0: 0.950941,-0.504695,-2.725
Cluster 1: 0.859395,-0.501119,-4.823
Cluster 2: -0.301805,-0.504734,-12.218
Cluster 3: 1.061761,-0.504485,-5.648

Missing values globally replaced with mean/mode

Final cluster centroids:

Attribute      Full Data      Cluster#
                (1923.0)    (1011.0)    (259.0)    (182.0)    (471.0)
=====
energy          -0          0.7376    -1.1987    -1.9438    -0.173
acousticness    -0          -0.465     0.4572     2.7202    -0.3043
loudness        -6.0253     -4.3293    -8.3945    -11.3053   -6.3227

Time taken to build model (full training data) : 0.05 seconds

=== Model and evaluation on training set ===

Clustered Instances

0      1011 ( 53%)
1       259 ( 13%)
2       182 (  9%)
3       471 ( 24%)
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有先 remove 掉除了 'energy', 'acousticness', 'loudness' 的所有欄位，之後用 standardize 做標準化，之後再用 cluster，設定參數 Cluster 數量設為 4, seed 設為 15，後得此結果。