

=== Run information ===

Scheme: weka.clusterers.SimpleKMeans -init 0 -max-candidates 100 -periodic-pruning 10000
-min-density 2.0 -t1 -1.25 -t2 -1.0 -N 2 -A "weka.core.EuclideanDistance -R first-last" -I 500 -num-slots
1 -S 10

Relation: output_file

Instances: 33925

Attributes: 4

R

G

B

Ignored:

img_name

Test mode: Classes to clusters evaluation on training data

=== Clustering model (full training set) ===

kMeans

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Number of iterations: 33

Within cluster sum of squared errors: 2480.671382791246

Initial starting points (random):

Cluster 0: 164,119,96

Cluster 1: 129,77,55

Missing values globally replaced with mean/mode

Final cluster centroids:

Attribute	Full Data (33925.0)	Cluster#	
		0 (10535.0)	1 (23390.0)
R	173.3077	162.9799	177.9594
G	136.7641	188.0852	113.6488
B	124.1031	221.9416	80.036

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Time taken to build model (full training data) : 0.58 seconds

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

Clustered Instances

0 10535 (31%)

1 23390 (69%)

Class attribute: img_name

Classes to Clusters:

0 1 <-- assigned to cluster

2422 7658 | image2.jpg
5987 10996 | image3.jpg
2126 4736 | image4.jpg

Cluster 0 <-- image3.jpg
Cluster 1 <-- image2.jpg

Incorrectly clustered instances : 20280.0 59.7789 %