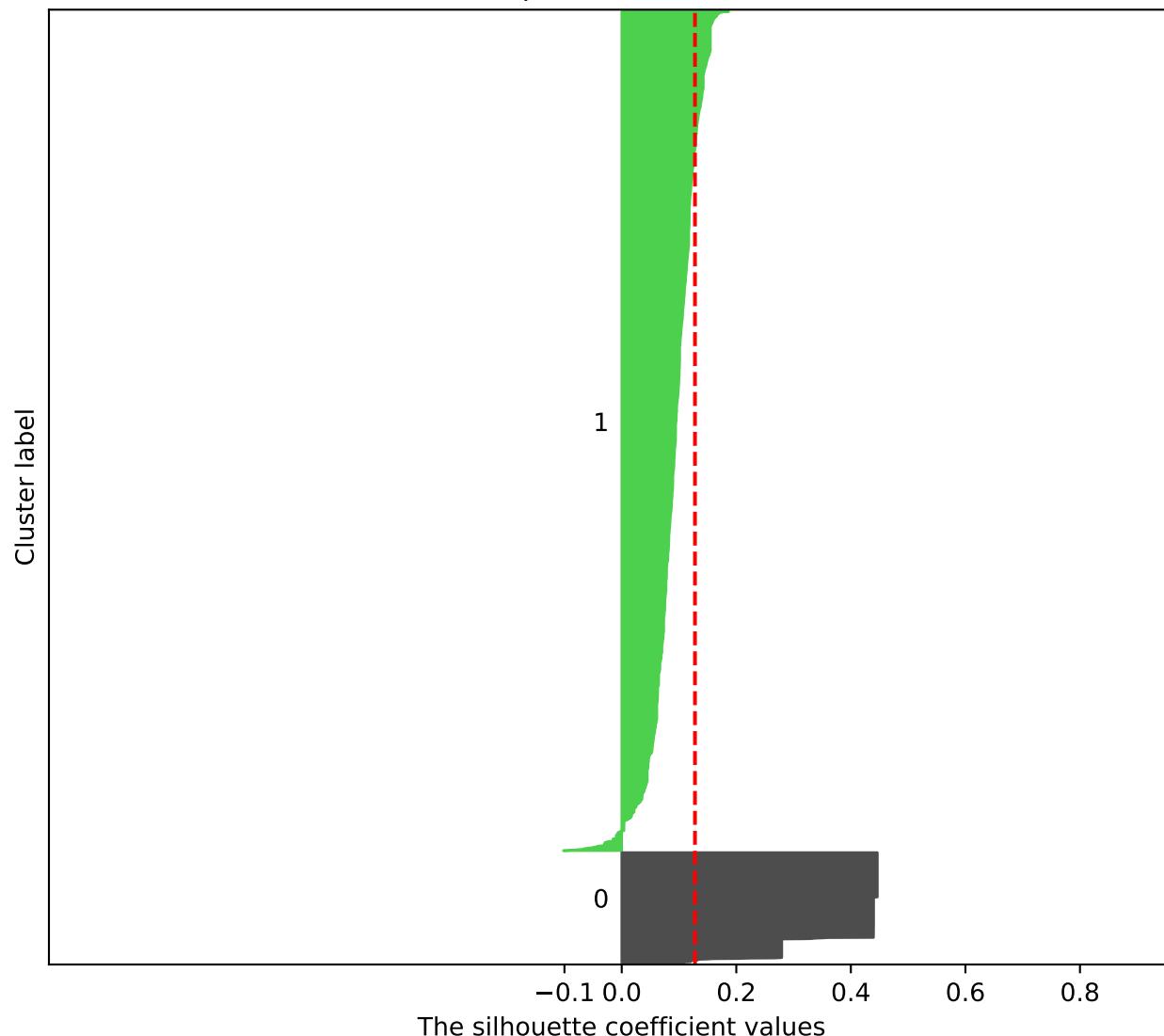
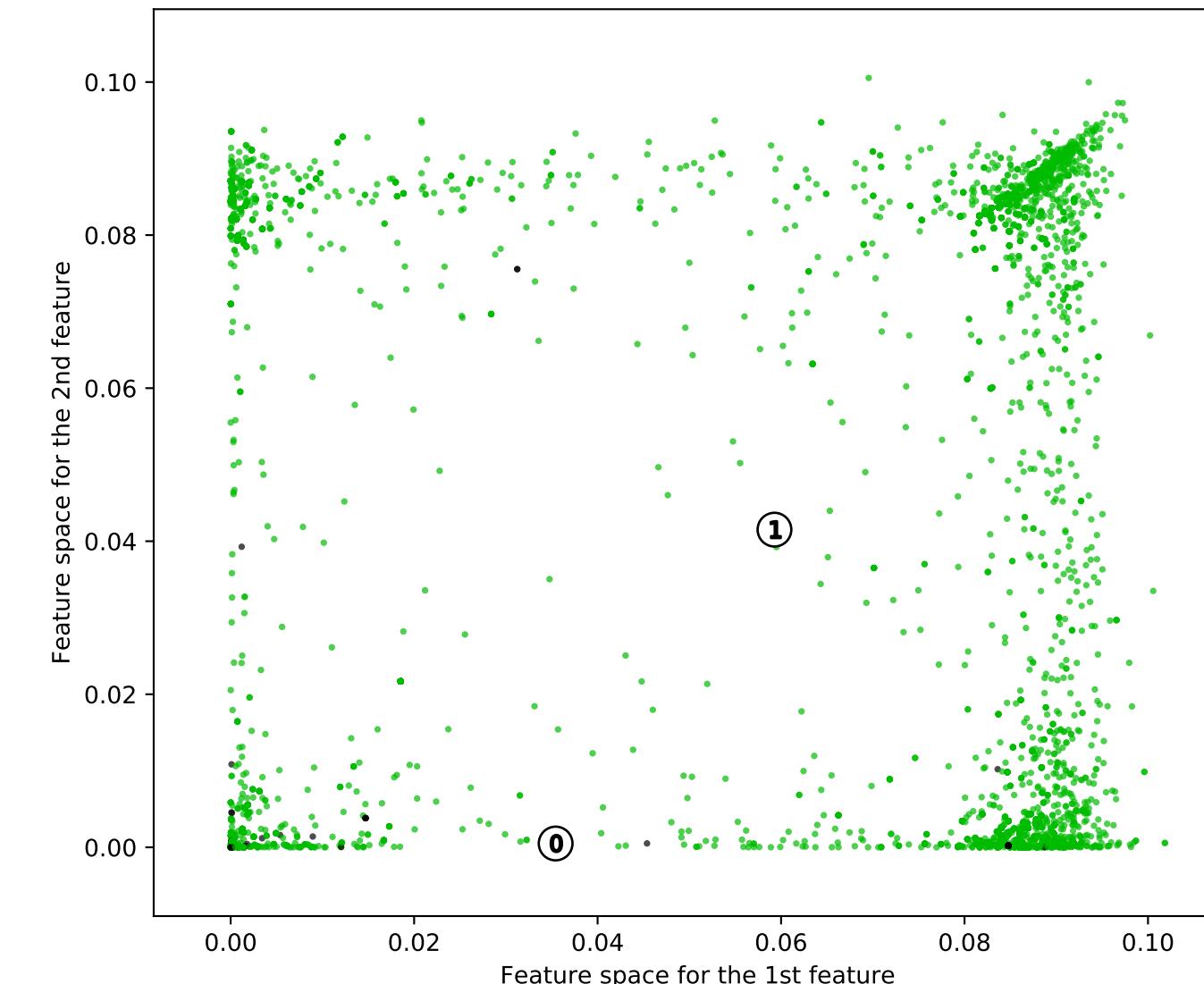


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 2 with Average Silhouette of: 0.12788717448711395

The silhouette plot for the various clusters.

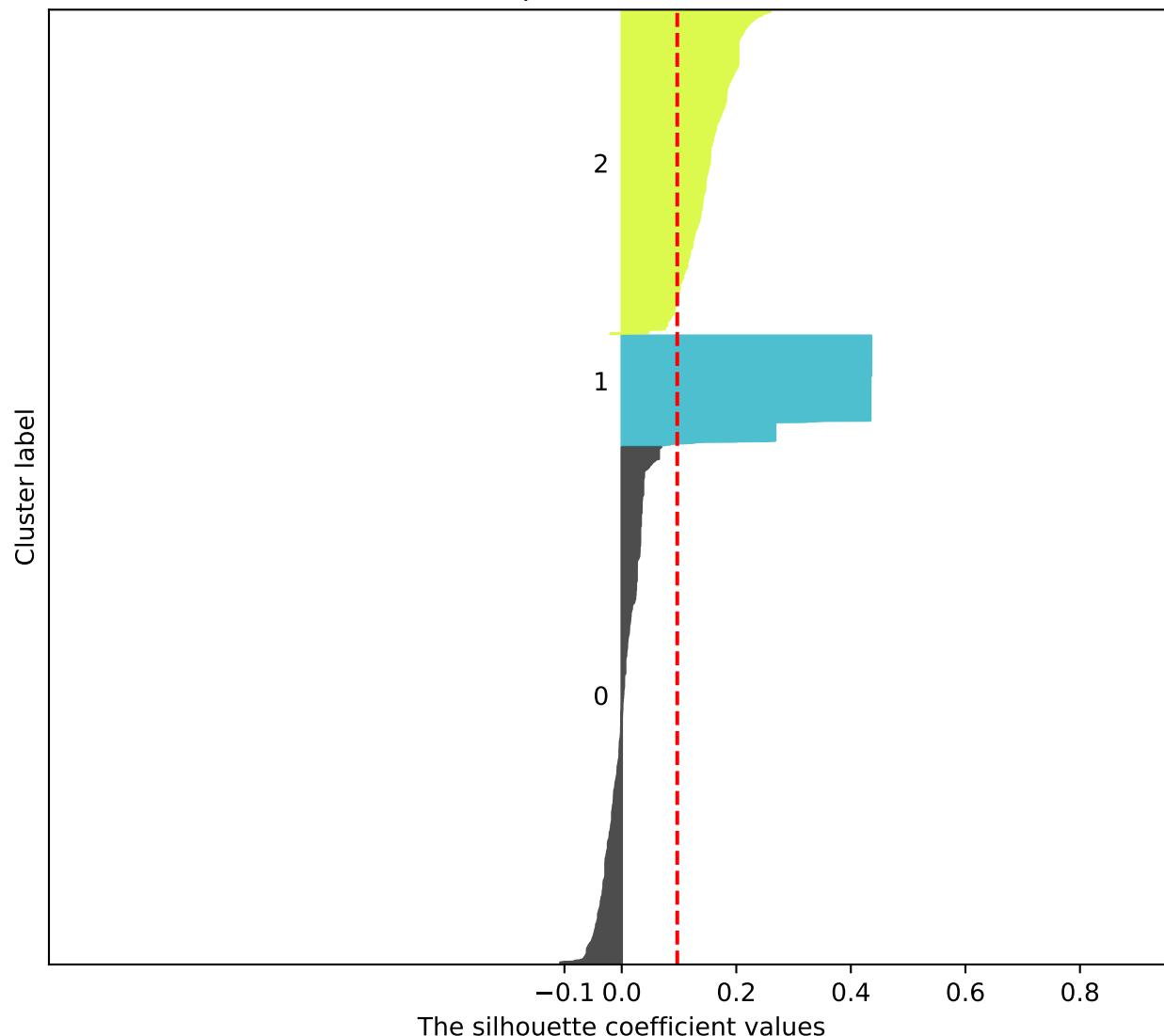


The visualization of the clustered data.

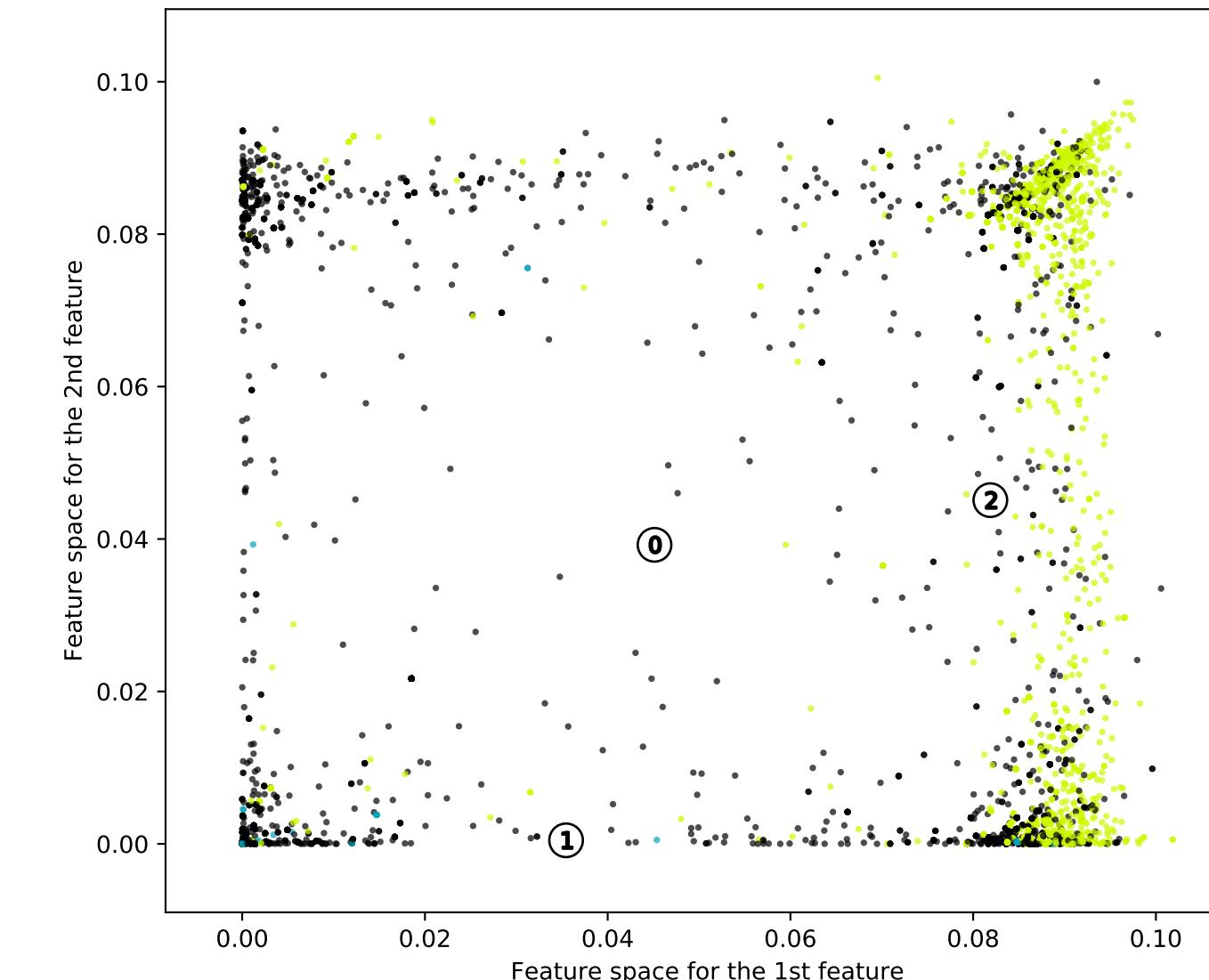


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 3 with Average Silhouette of: 0.09692586958408356

The silhouette plot for the various clusters.

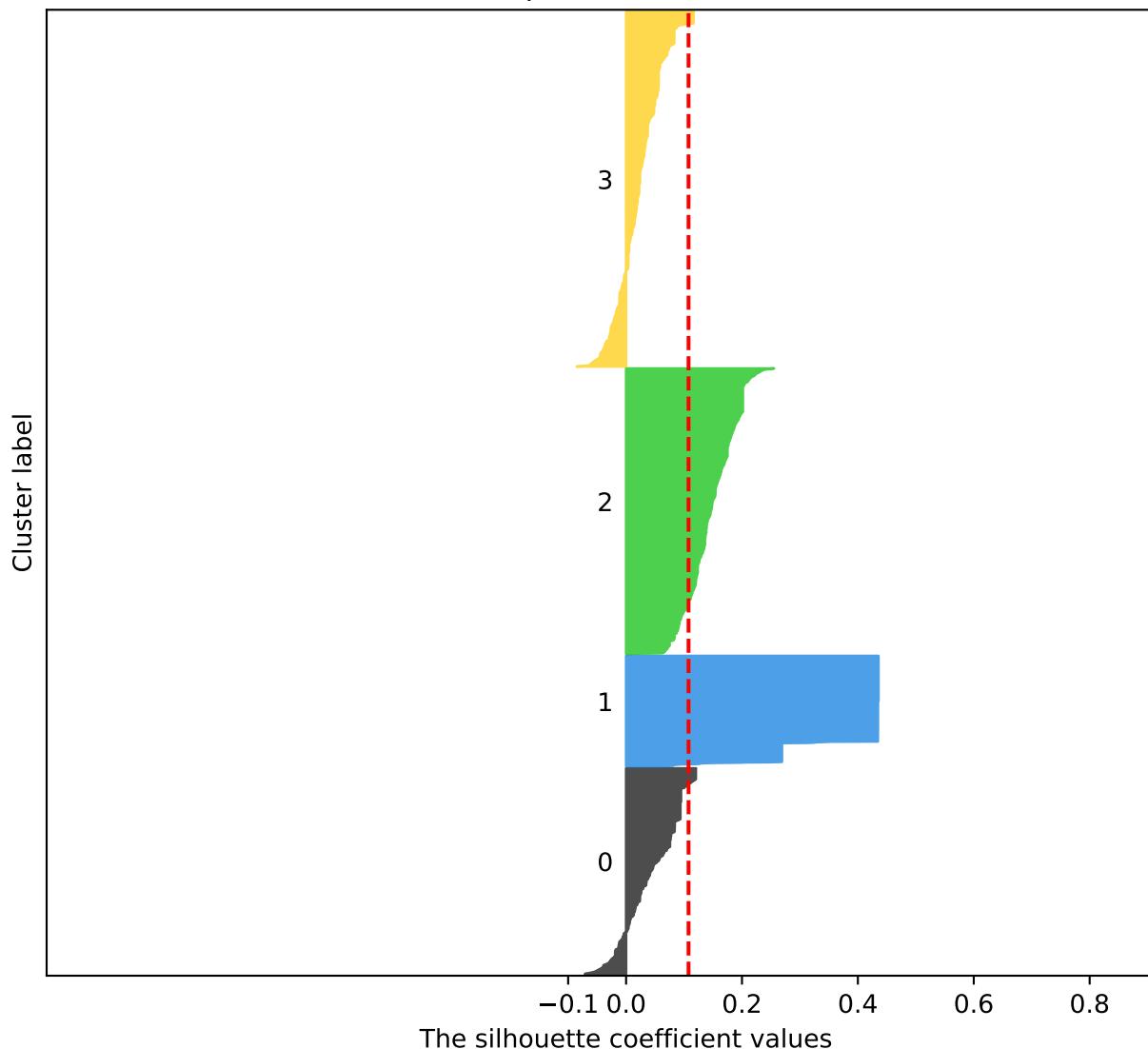


The visualization of the clustered data.

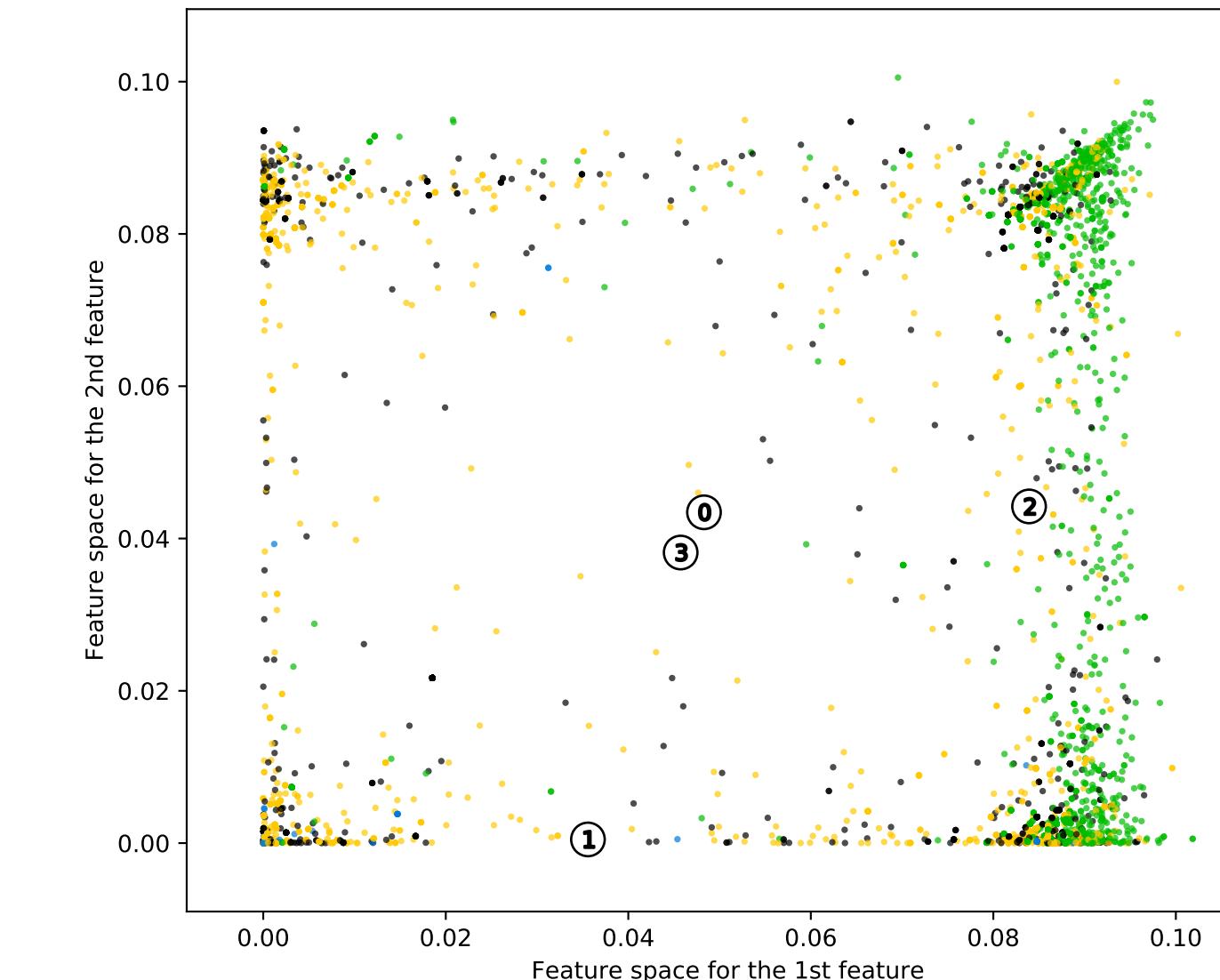


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 4 with Average Silhouette of: 0.1077675074338913

The silhouette plot for the various clusters.

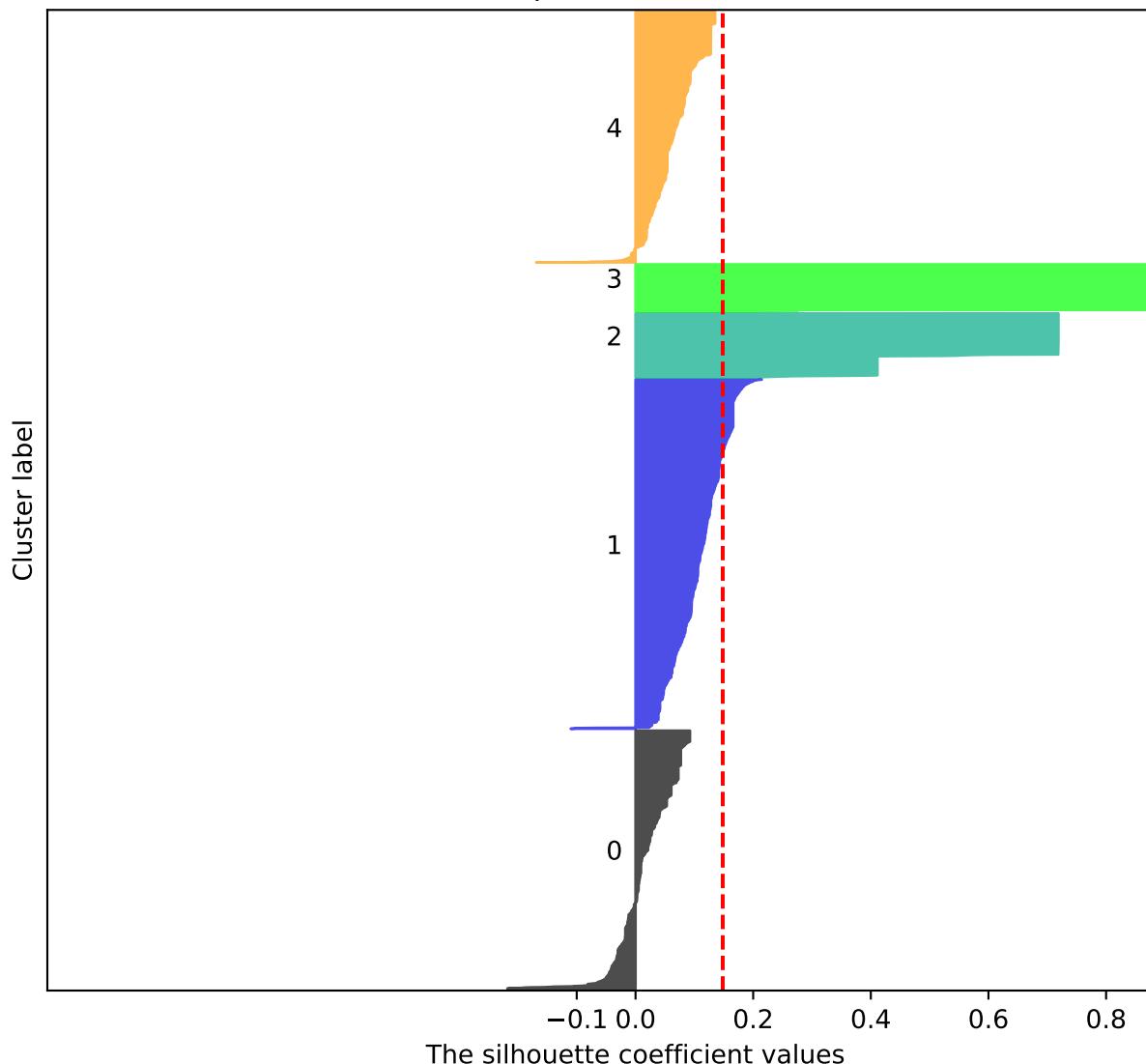


The visualization of the clustered data.

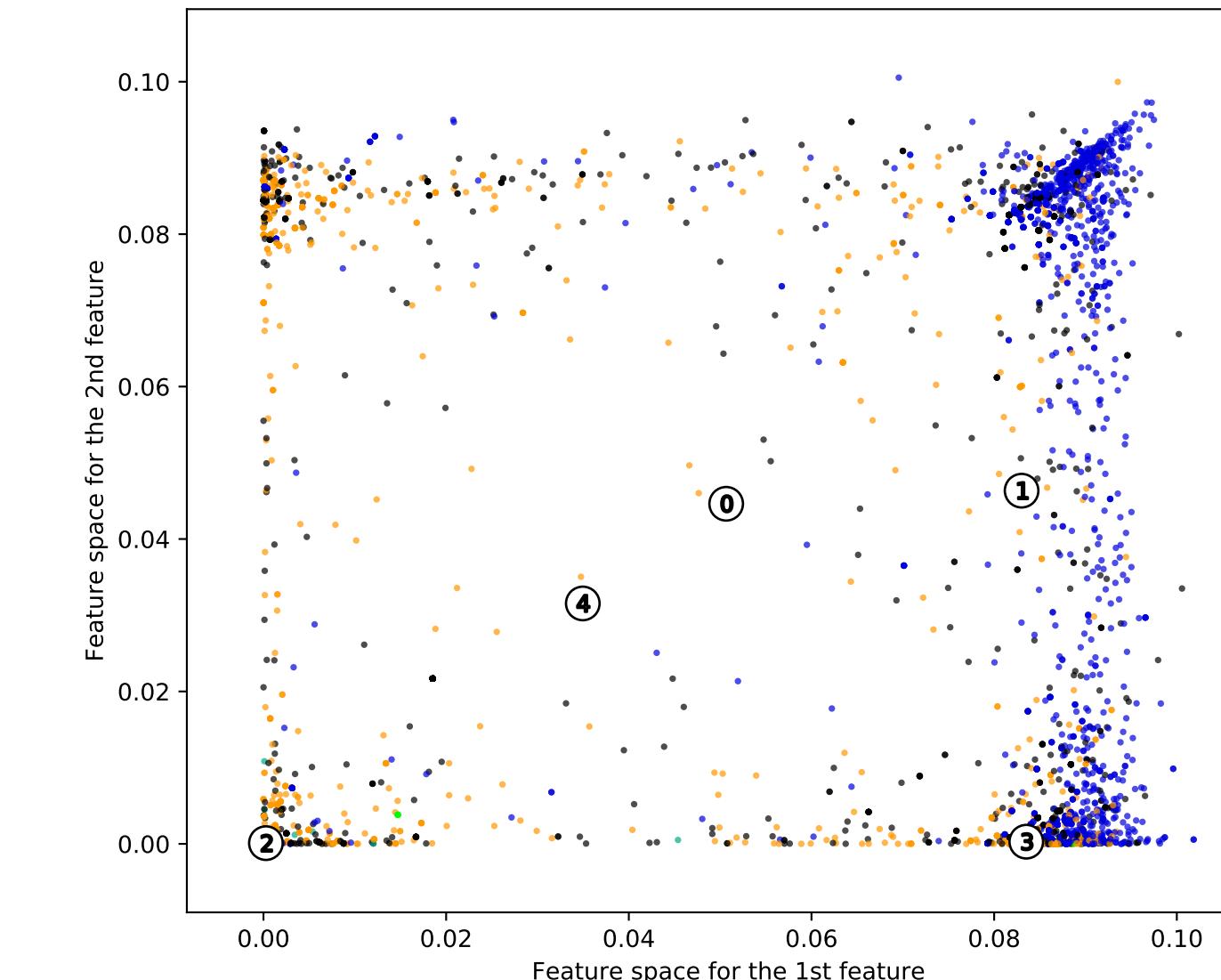


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 5 with Average Silhouette of: 0.1482166349887848

The silhouette plot for the various clusters.

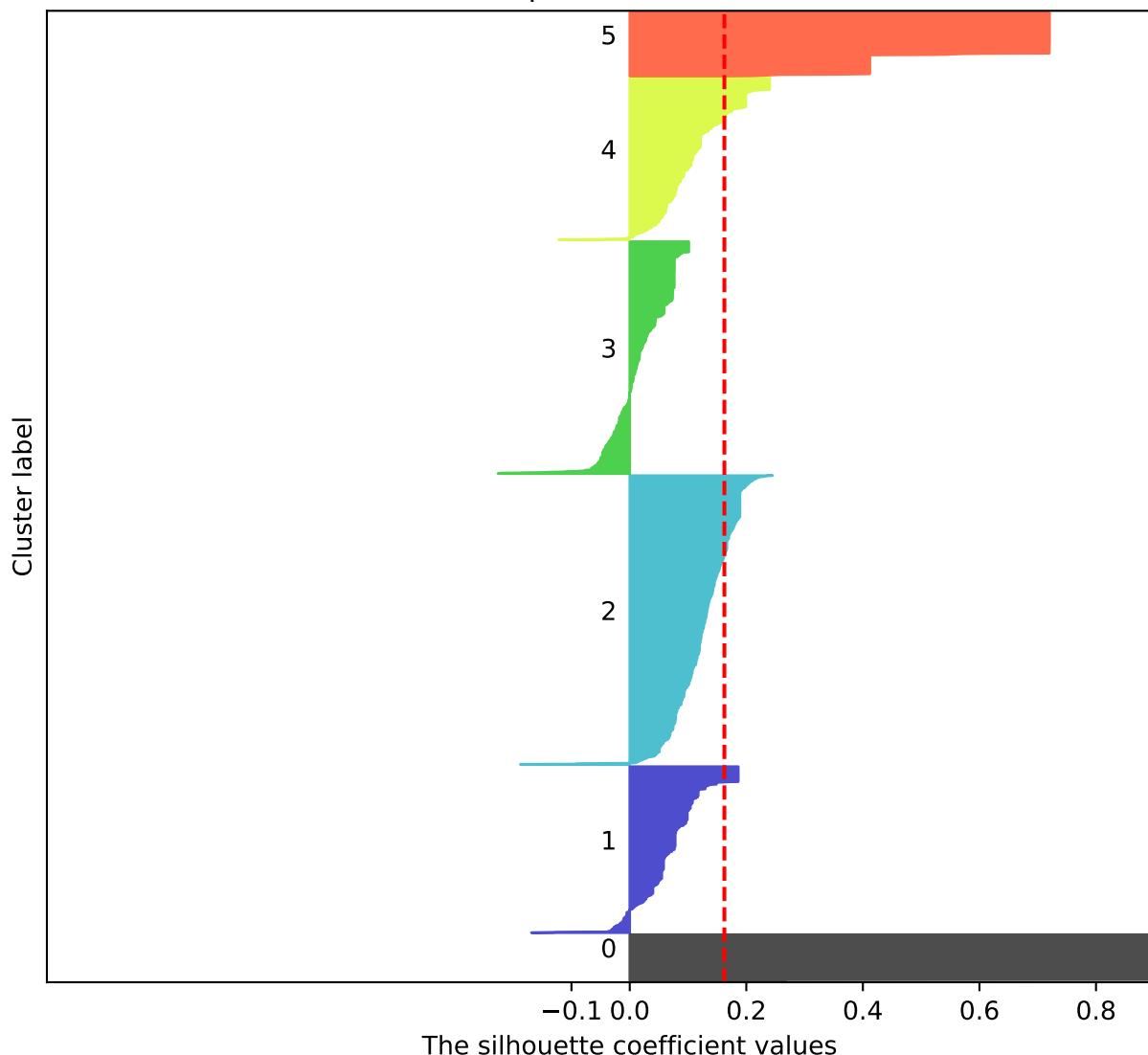


The visualization of the clustered data.

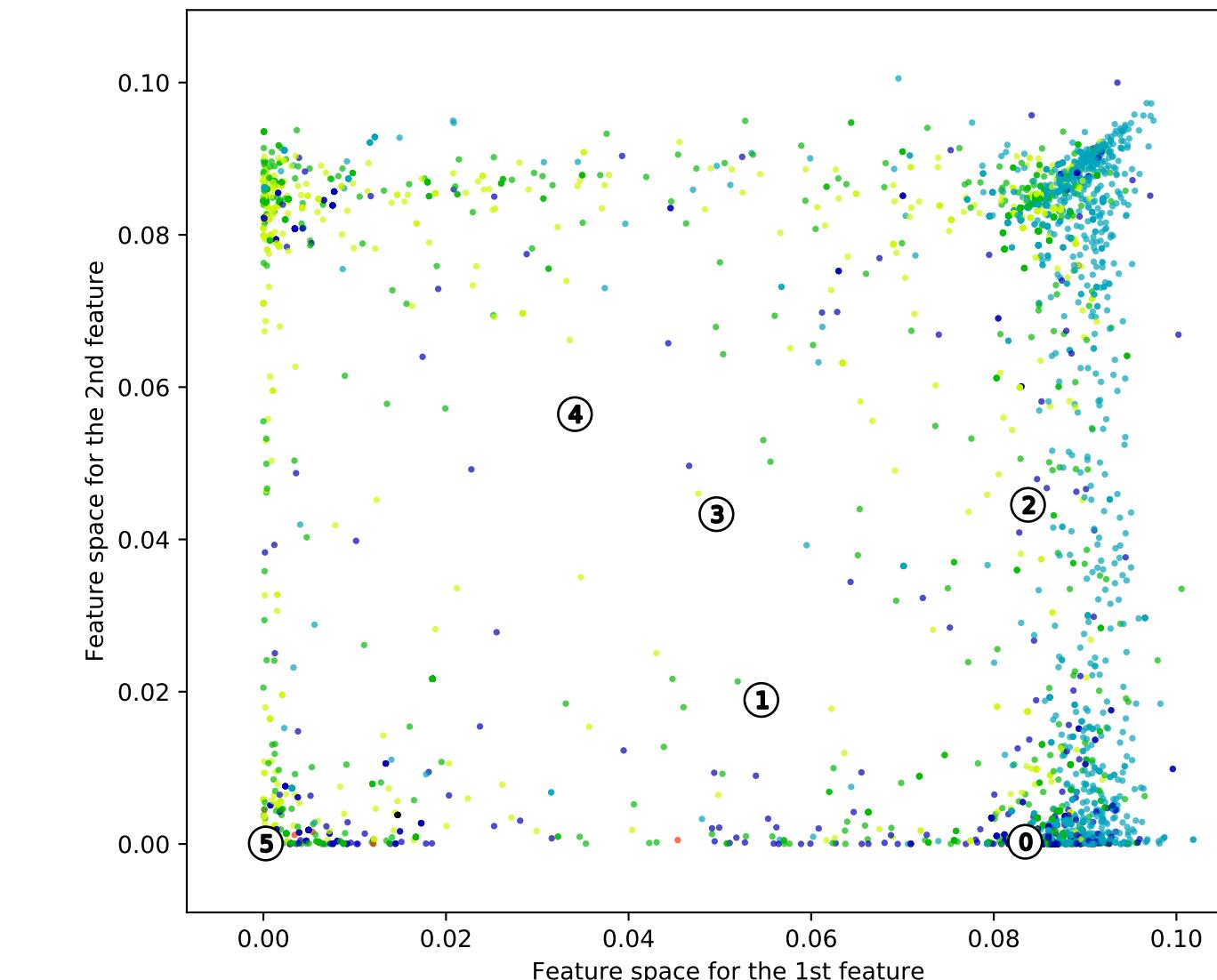


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 6 with Average Silhouette of: 0.1623672991991043

The silhouette plot for the various clusters.

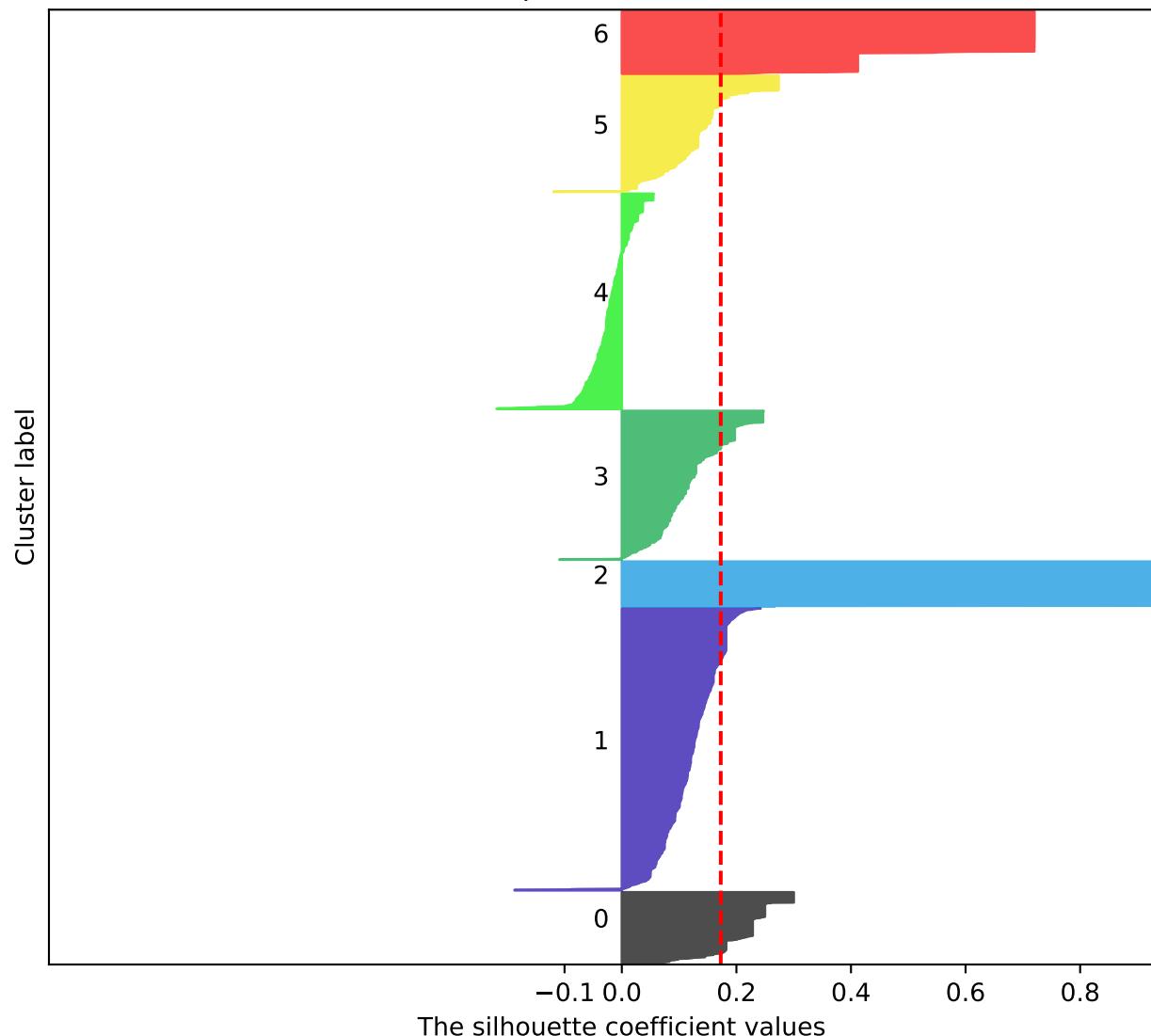


The visualization of the clustered data.

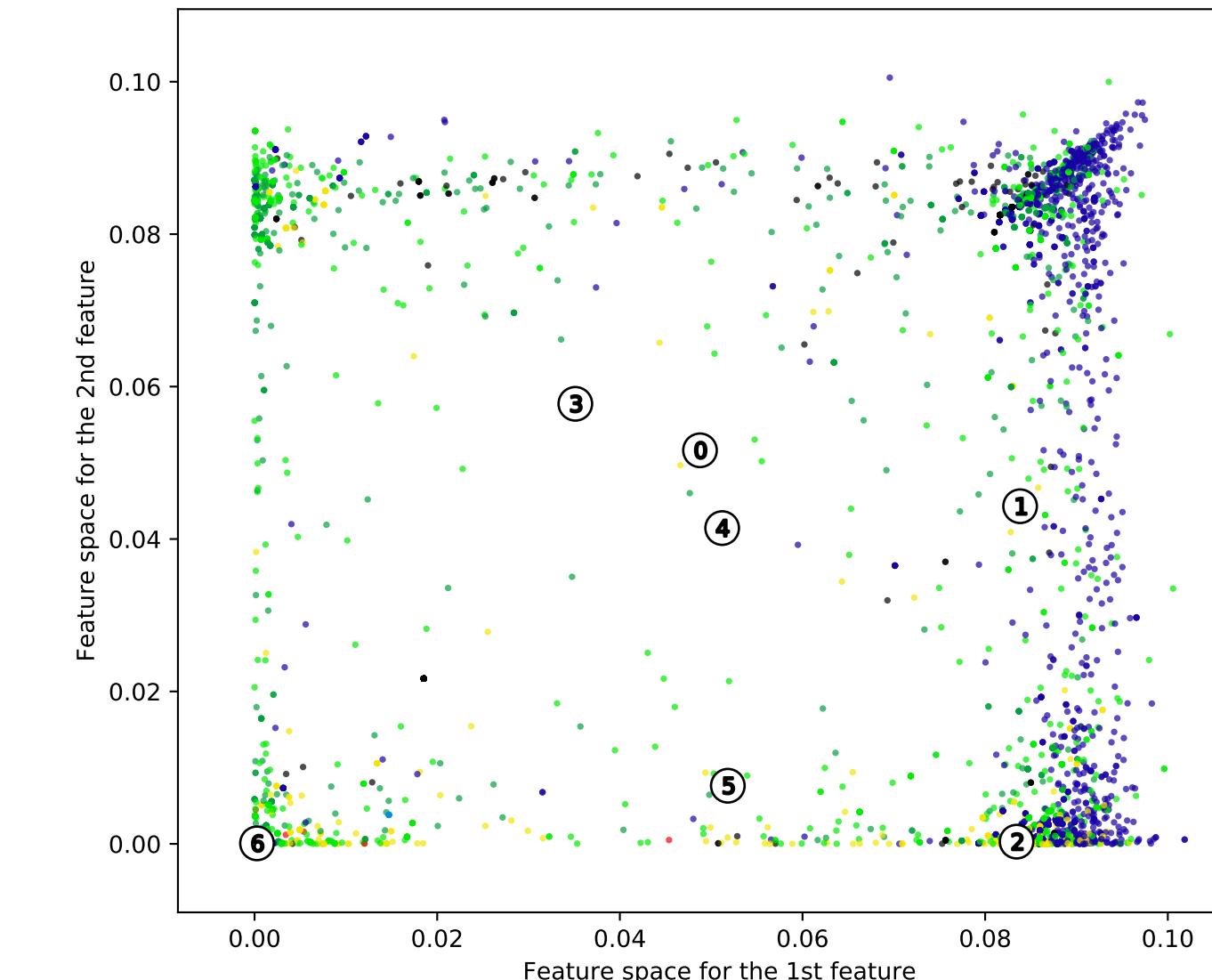


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 7 with Average Silhouette of: 0.17266076803207397

The silhouette plot for the various clusters.

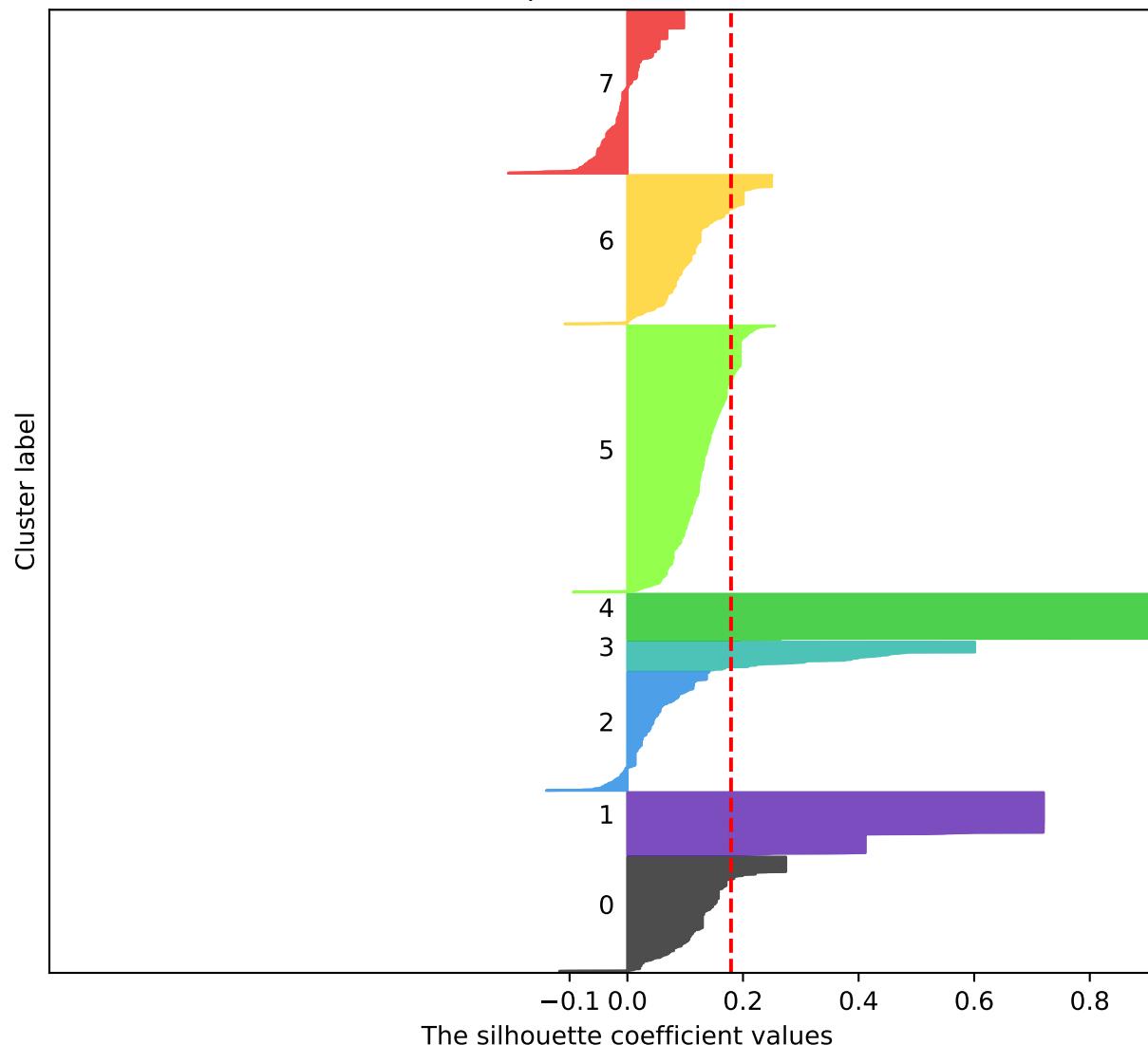


The visualization of the clustered data.

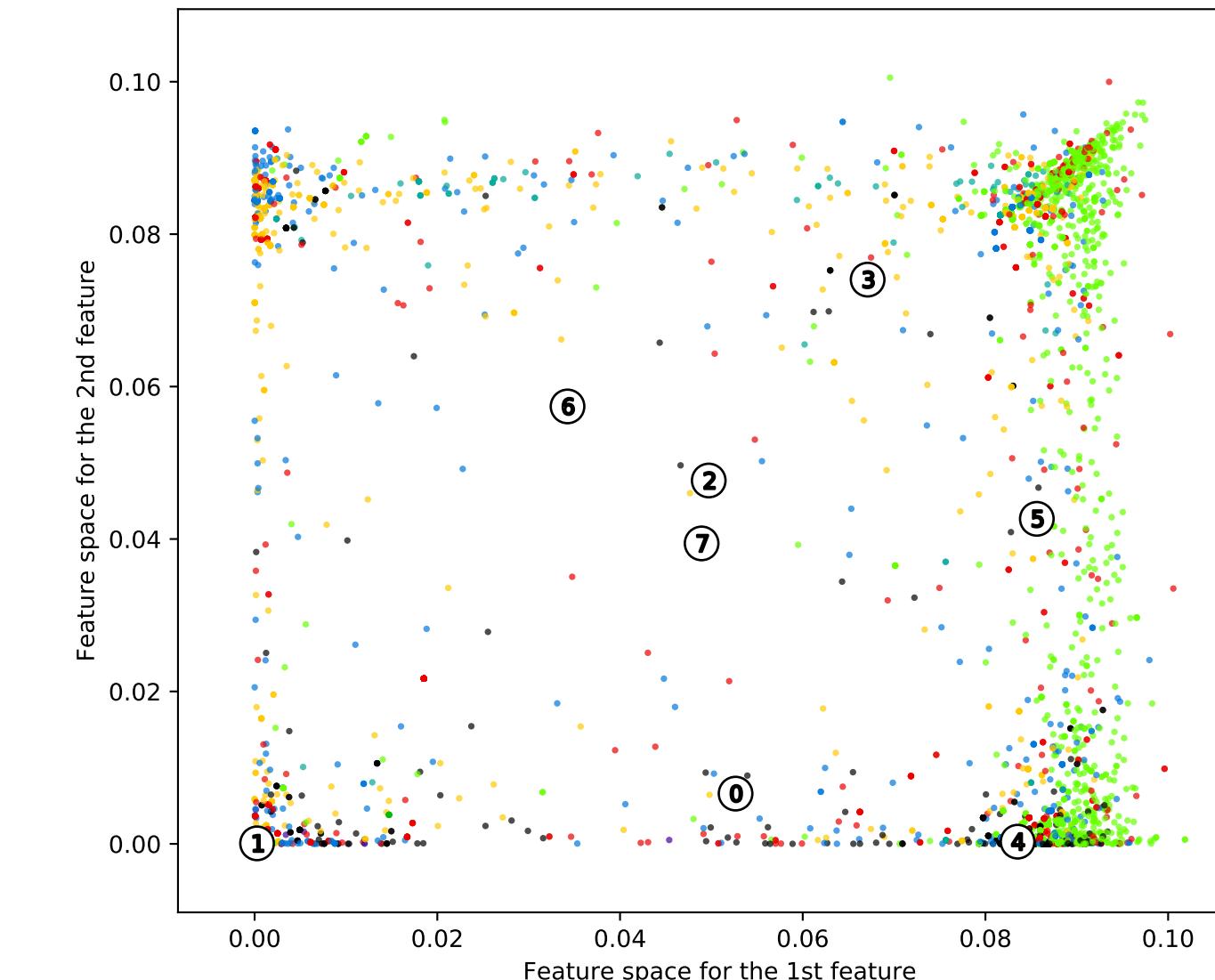


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 8 with Average Silhouette of: 0.17932286858558655

The silhouette plot for the various clusters.

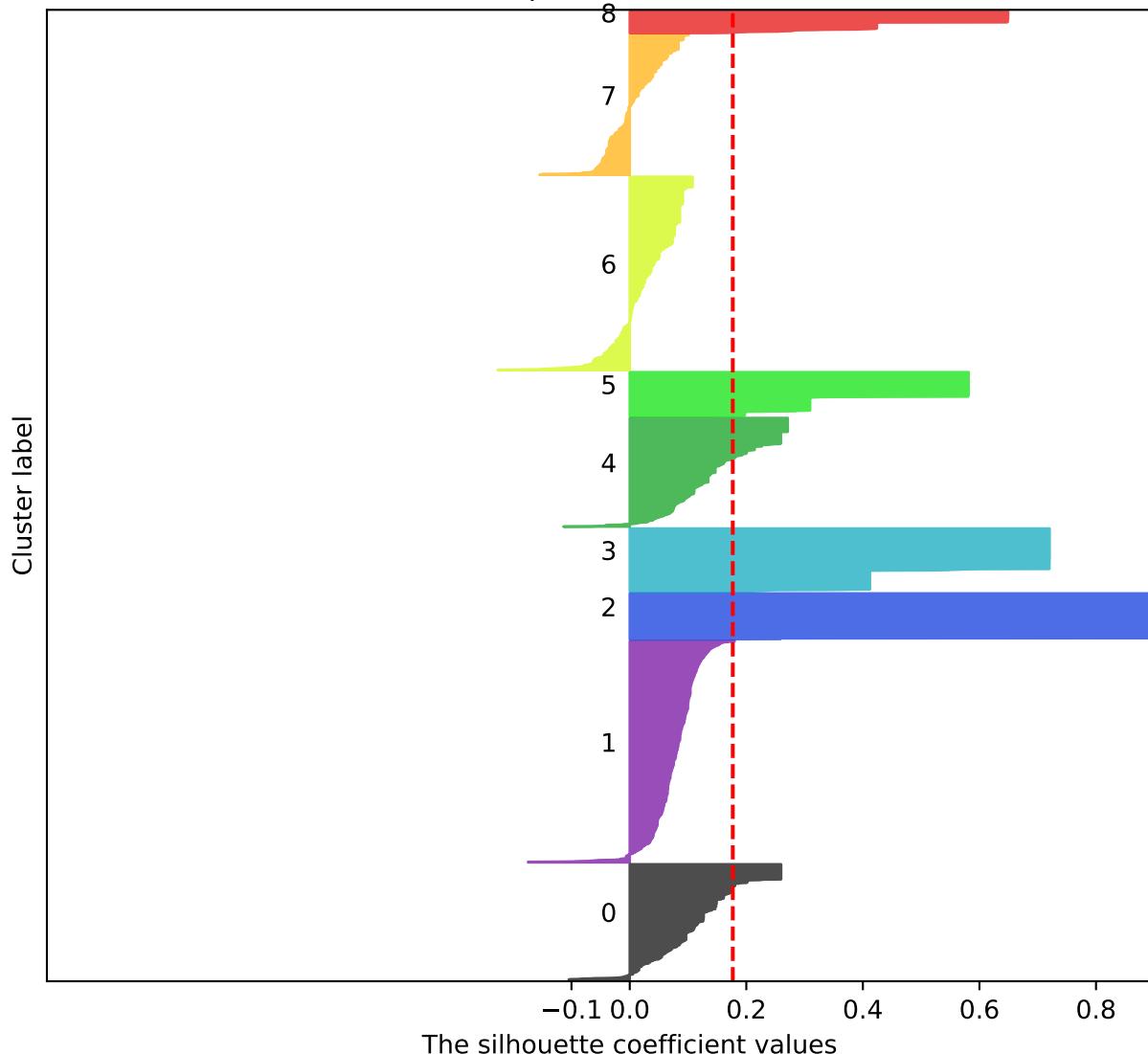


The visualization of the clustered data.

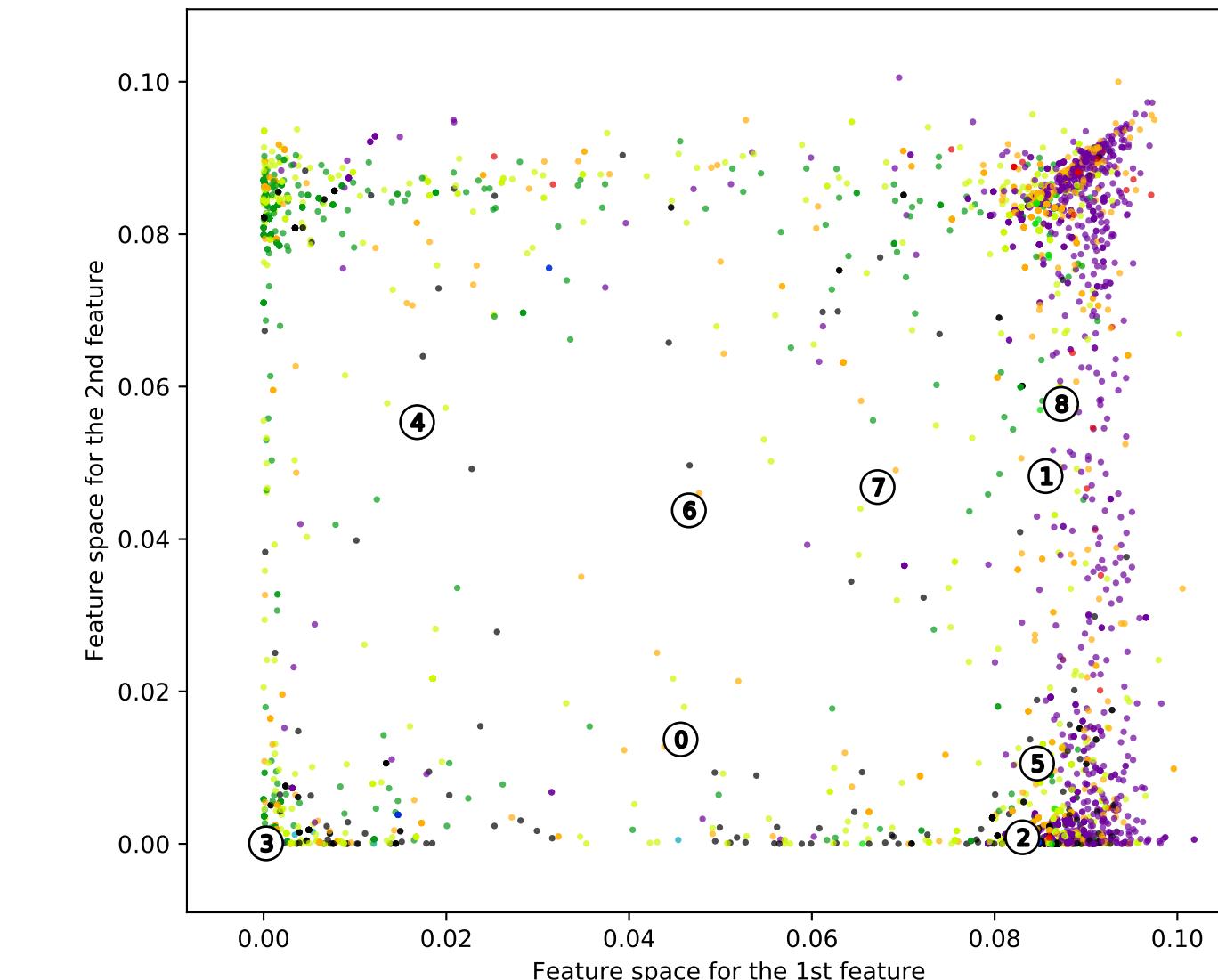


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 9 with Average Silhouette of: 0.17675024271011353

The silhouette plot for the various clusters.

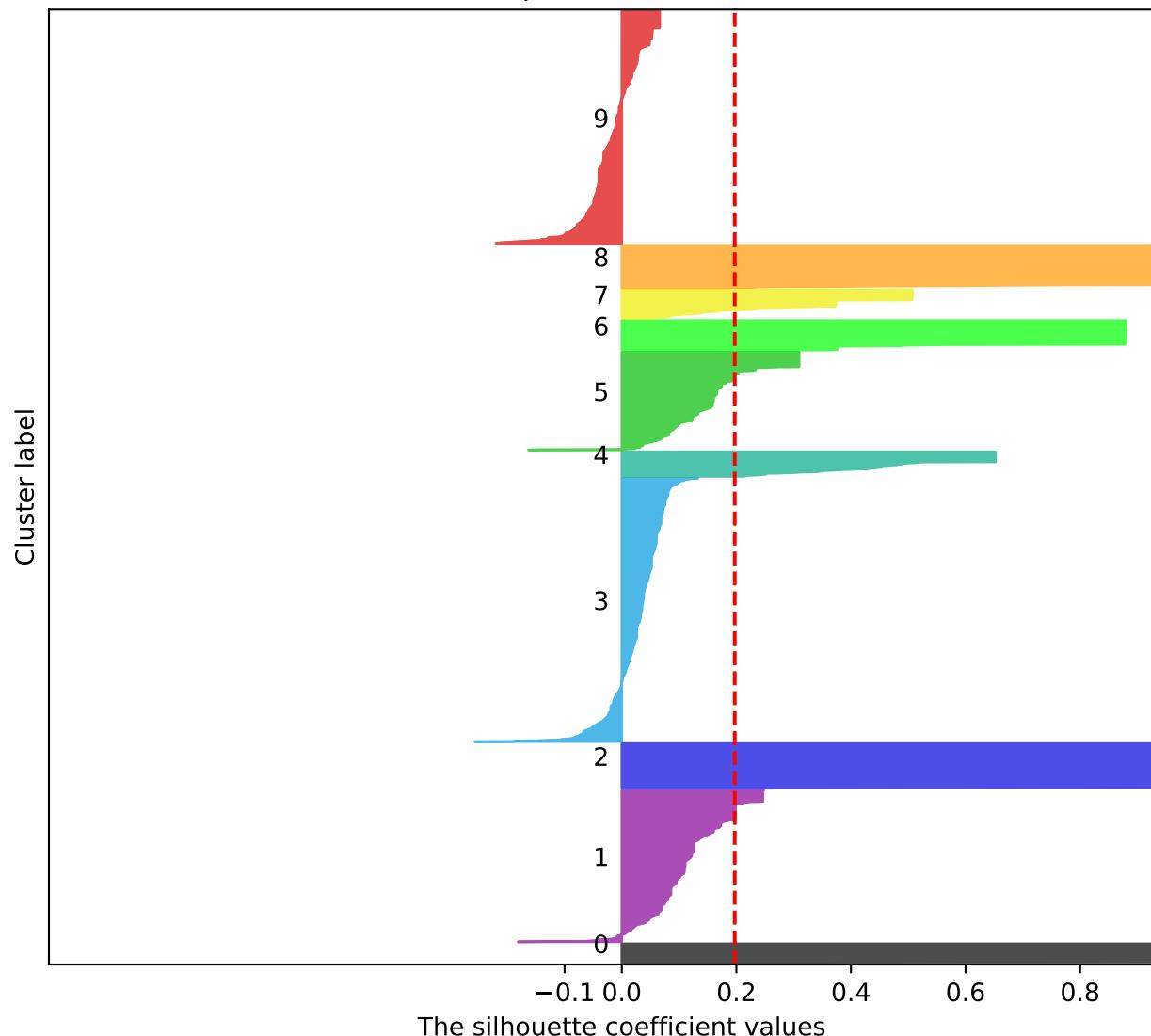


The visualization of the clustered data.

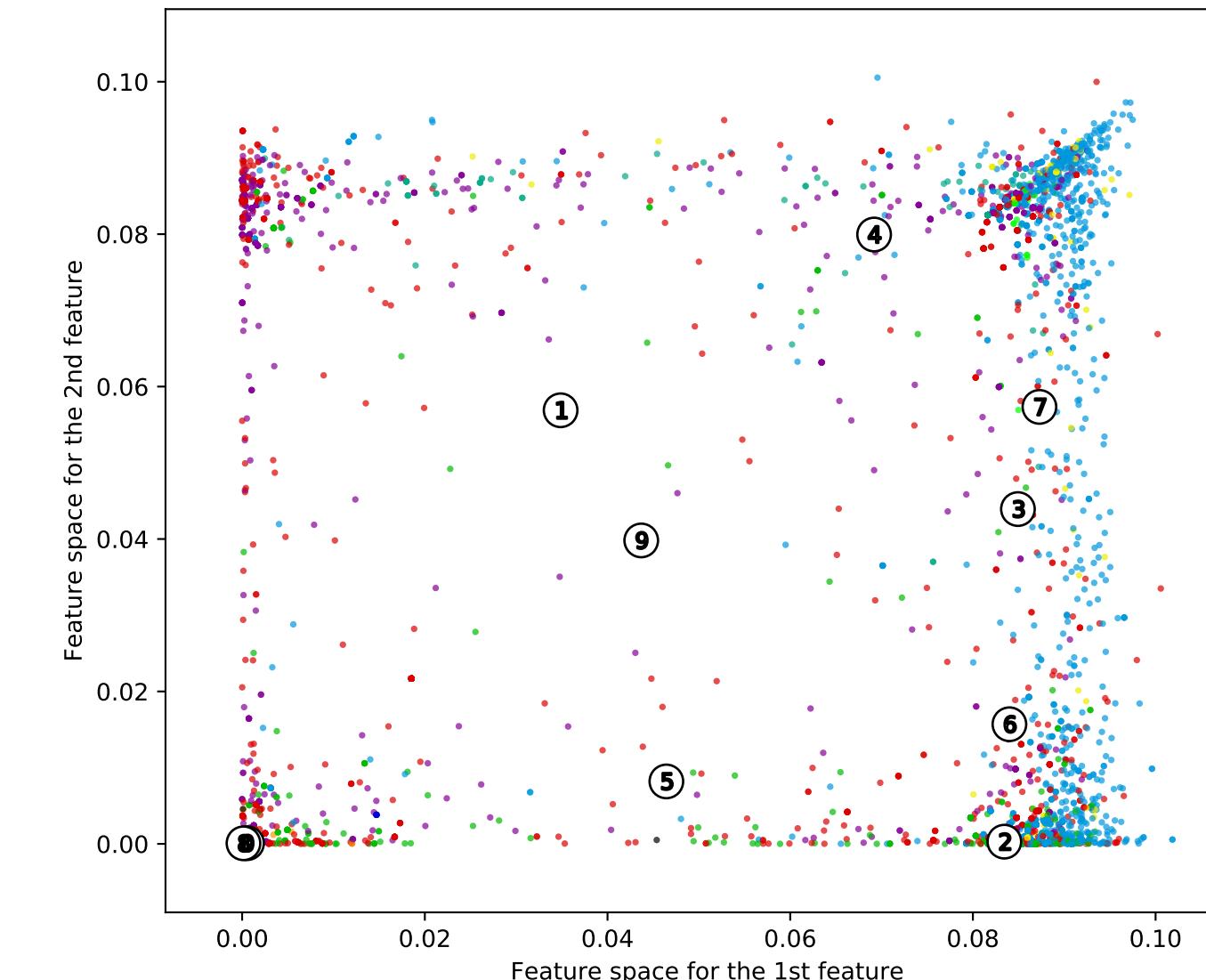


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 10 with Average Silhouette of: 0.19716095924377441

The silhouette plot for the various clusters.

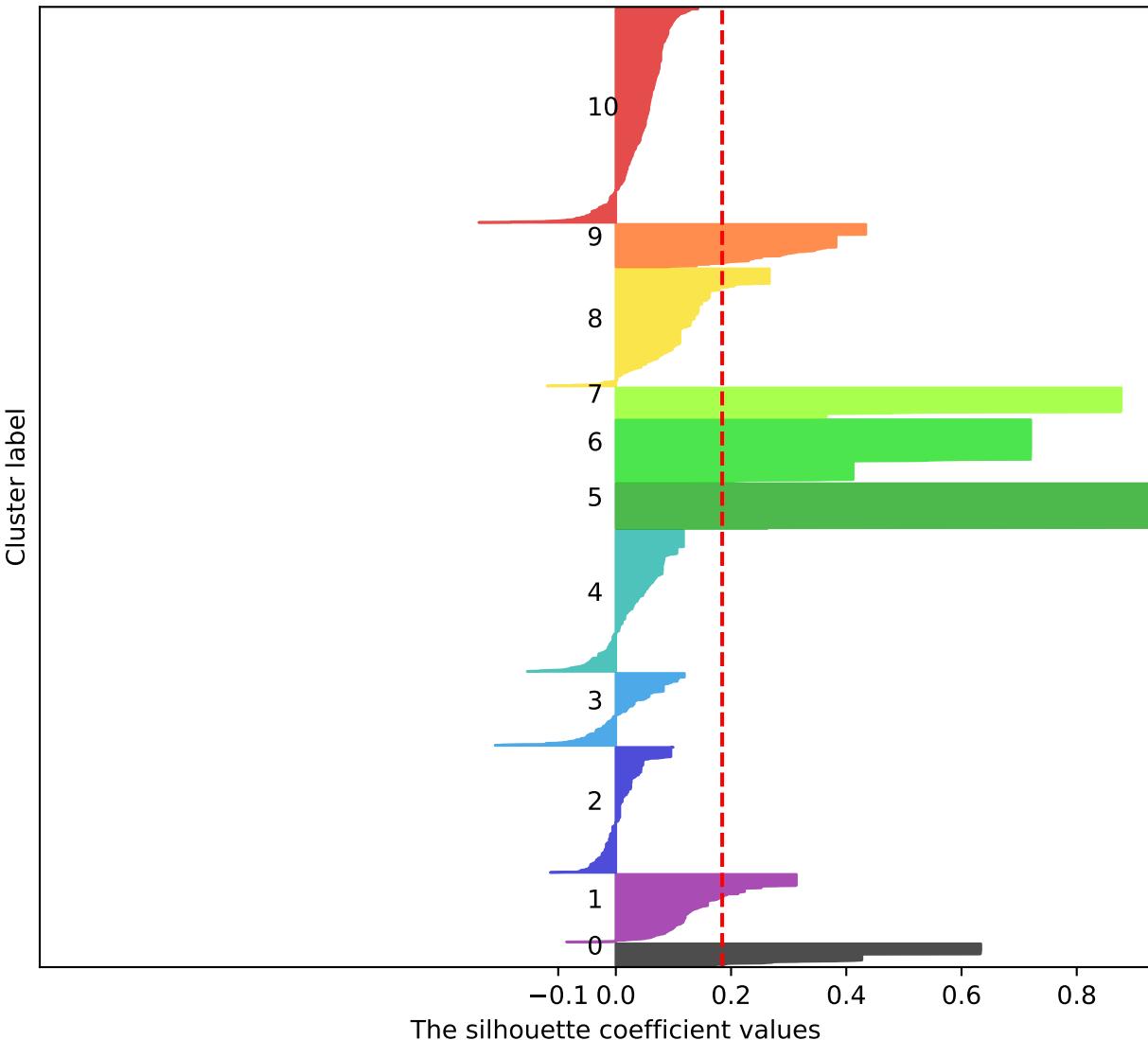


The visualization of the clustered data.

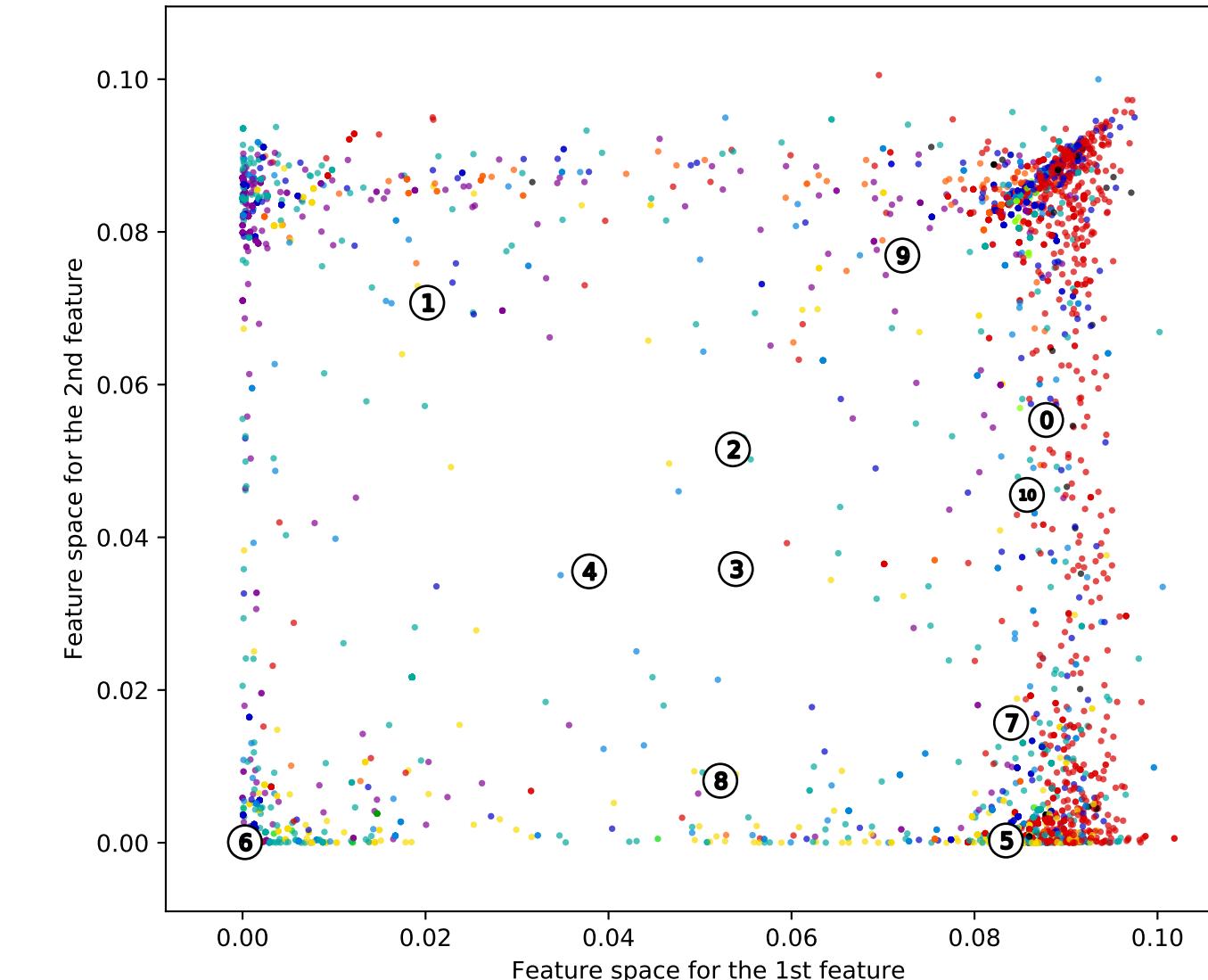


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 11 with Average Silhouette of: 0.18455350399017334

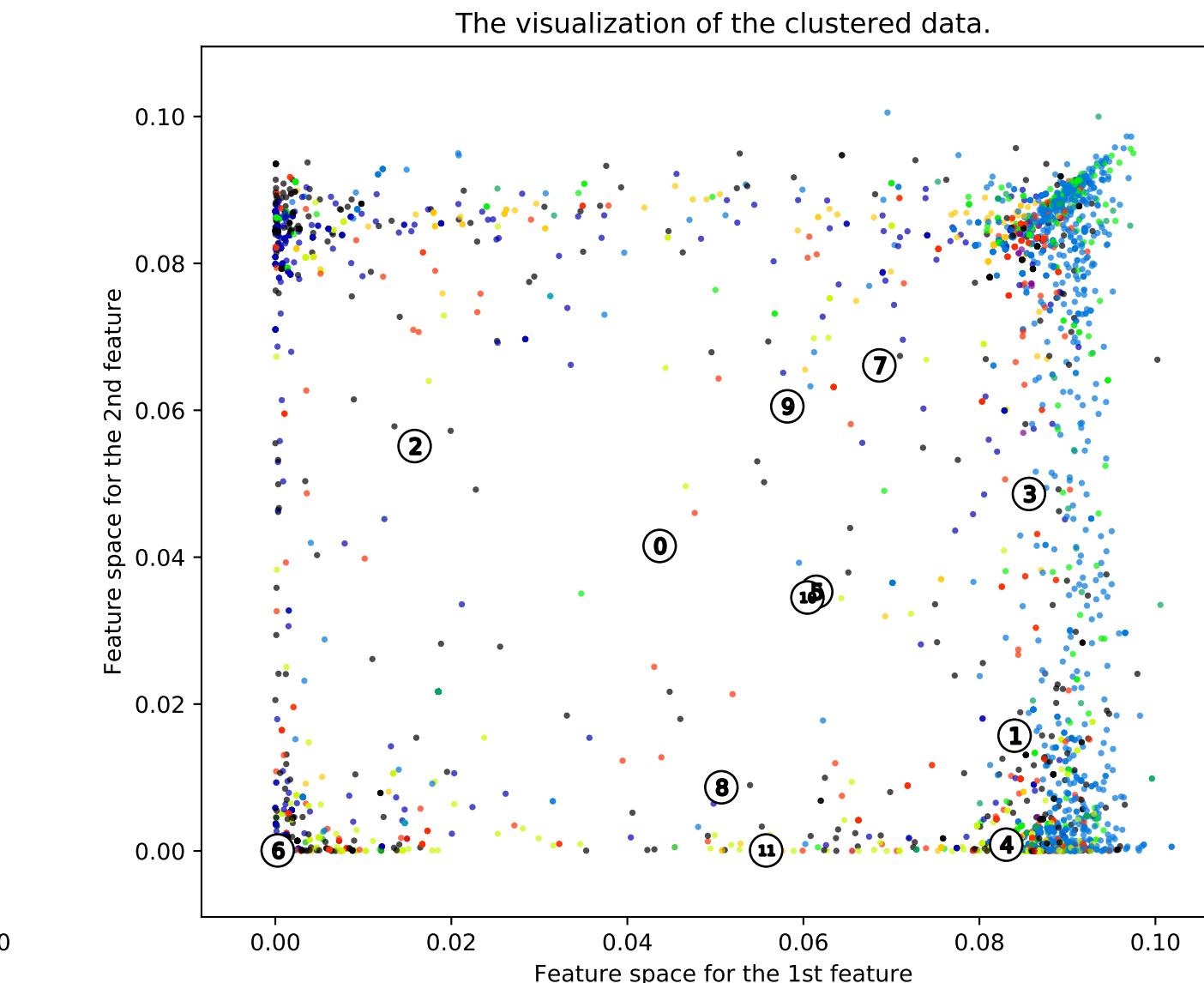
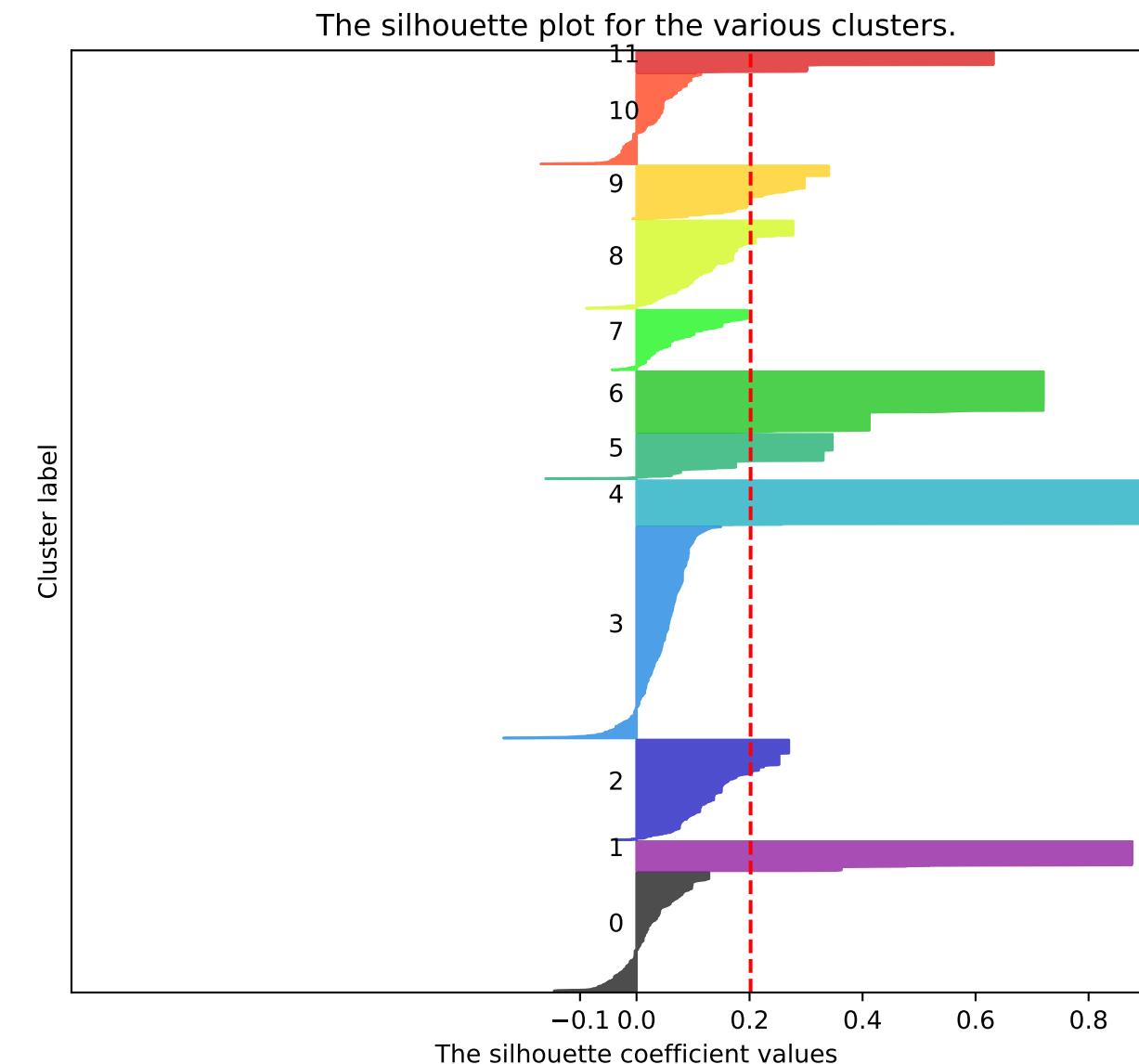
The silhouette plot for the various clusters.



The visualization of the clustered data.

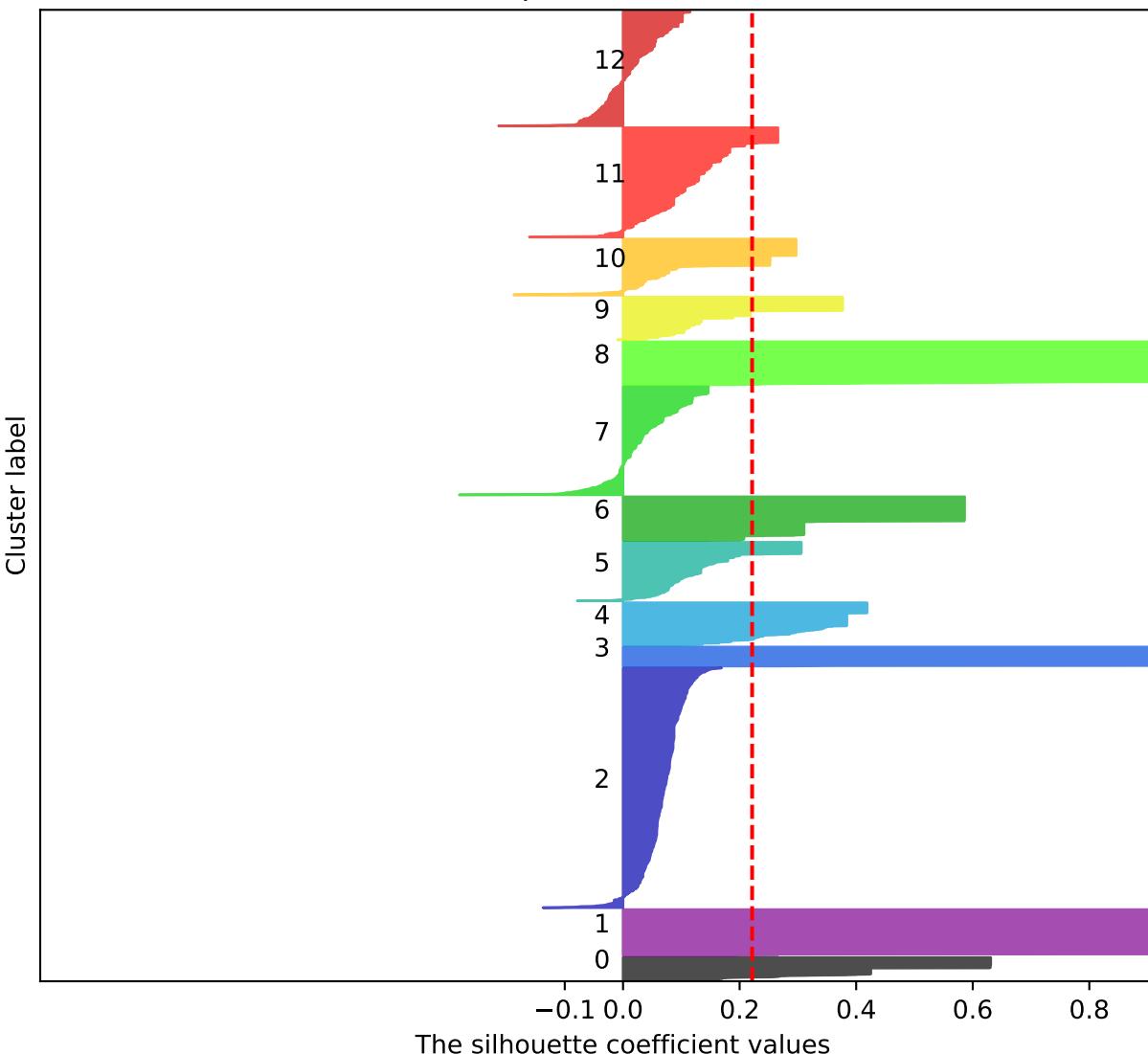


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 12 with Average Silhouette of: 0.20189177989959717

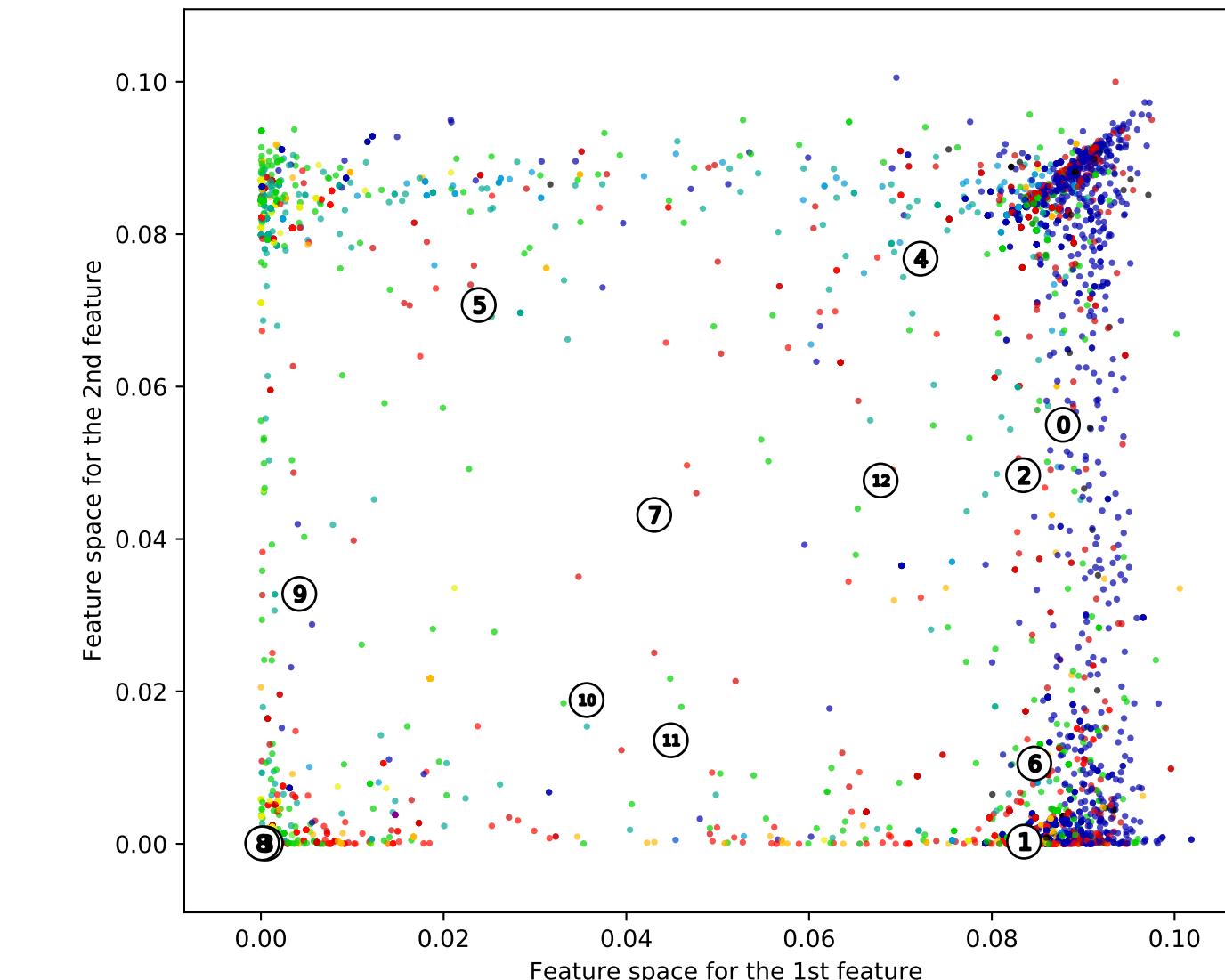


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 13 with Average Silhouette of: 0.22144007682800293

The silhouette plot for the various clusters.

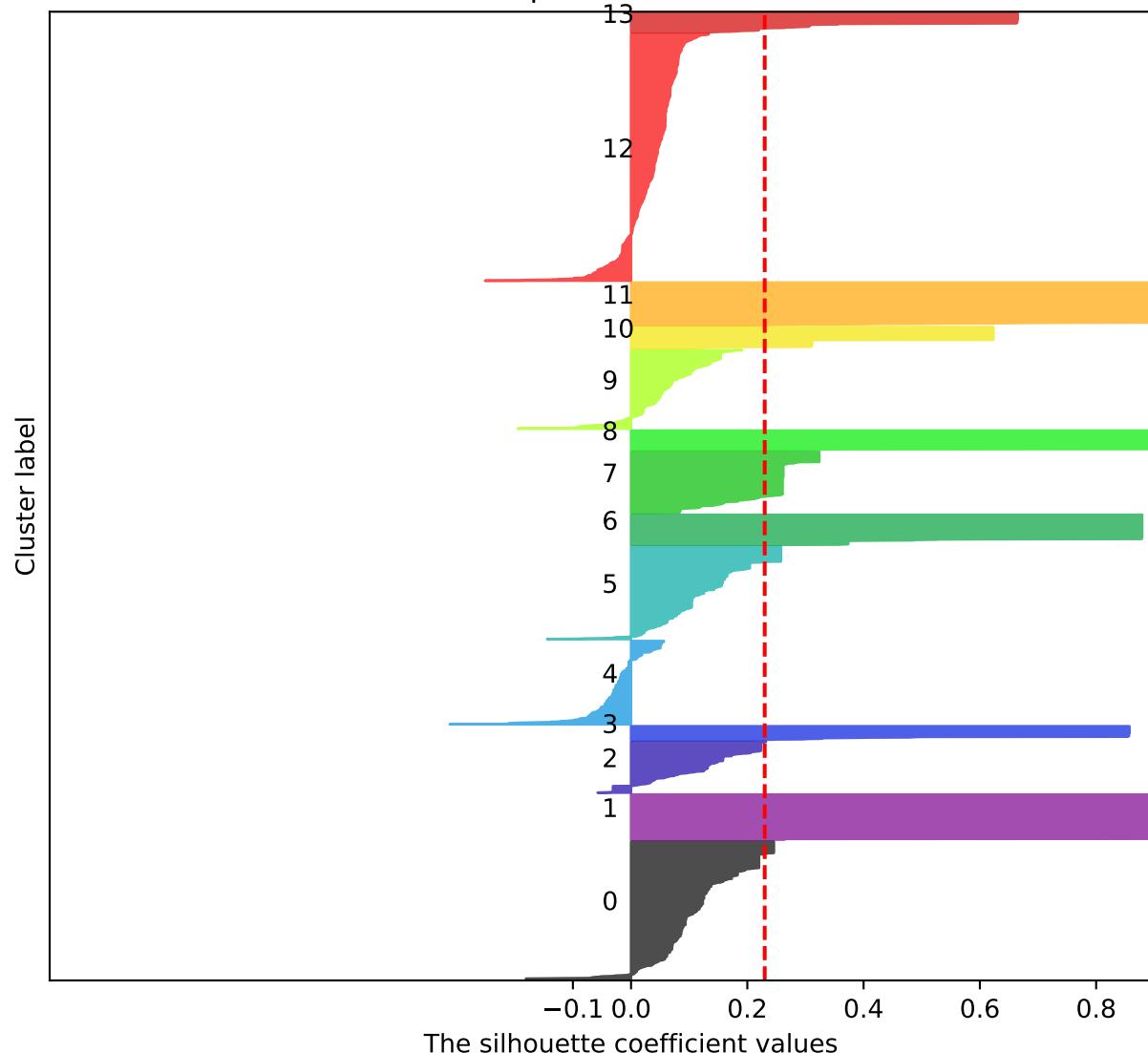


The visualization of the clustered data.

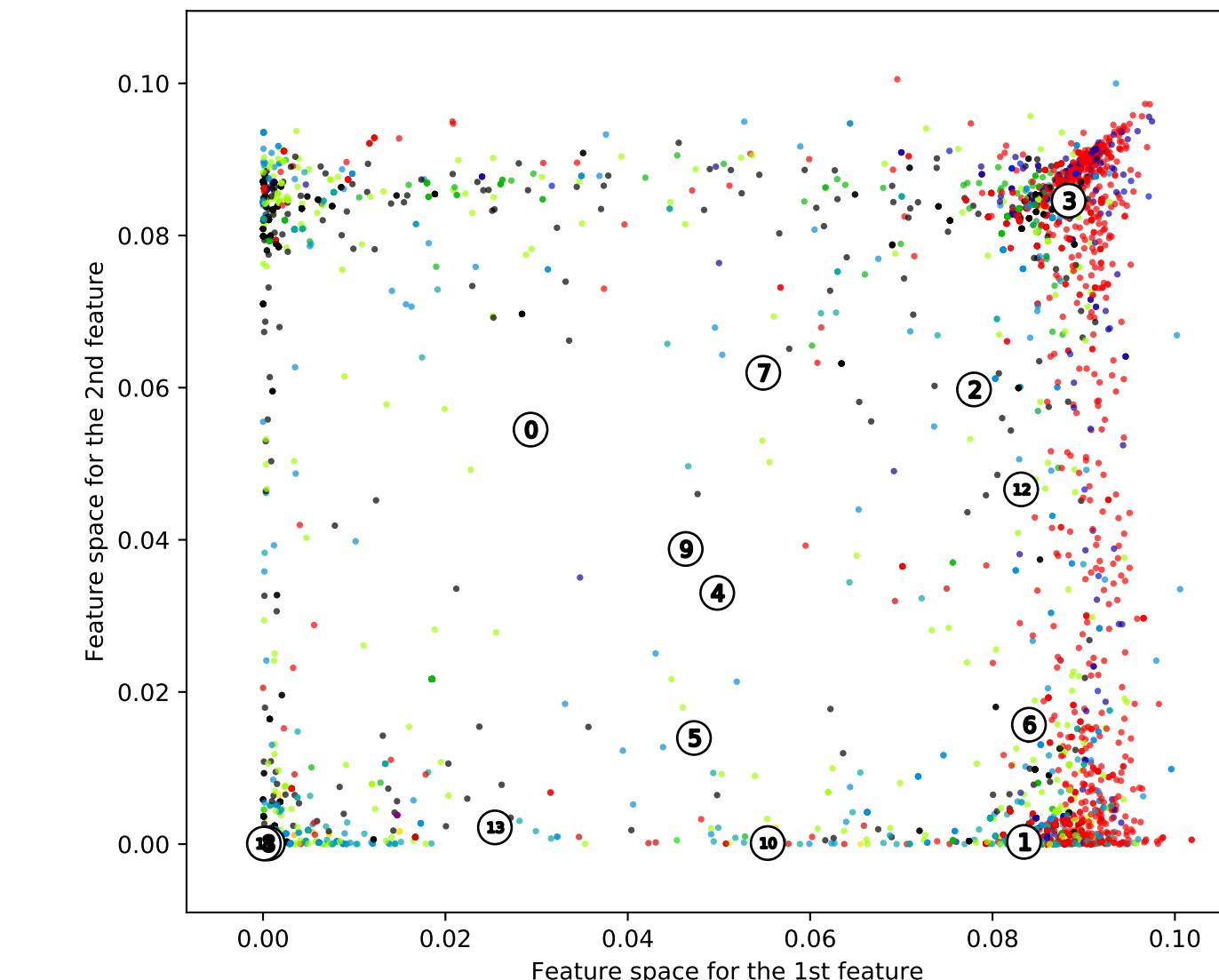


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 14 with Average Silhouette of: 0.2299513816833496

The silhouette plot for the various clusters.

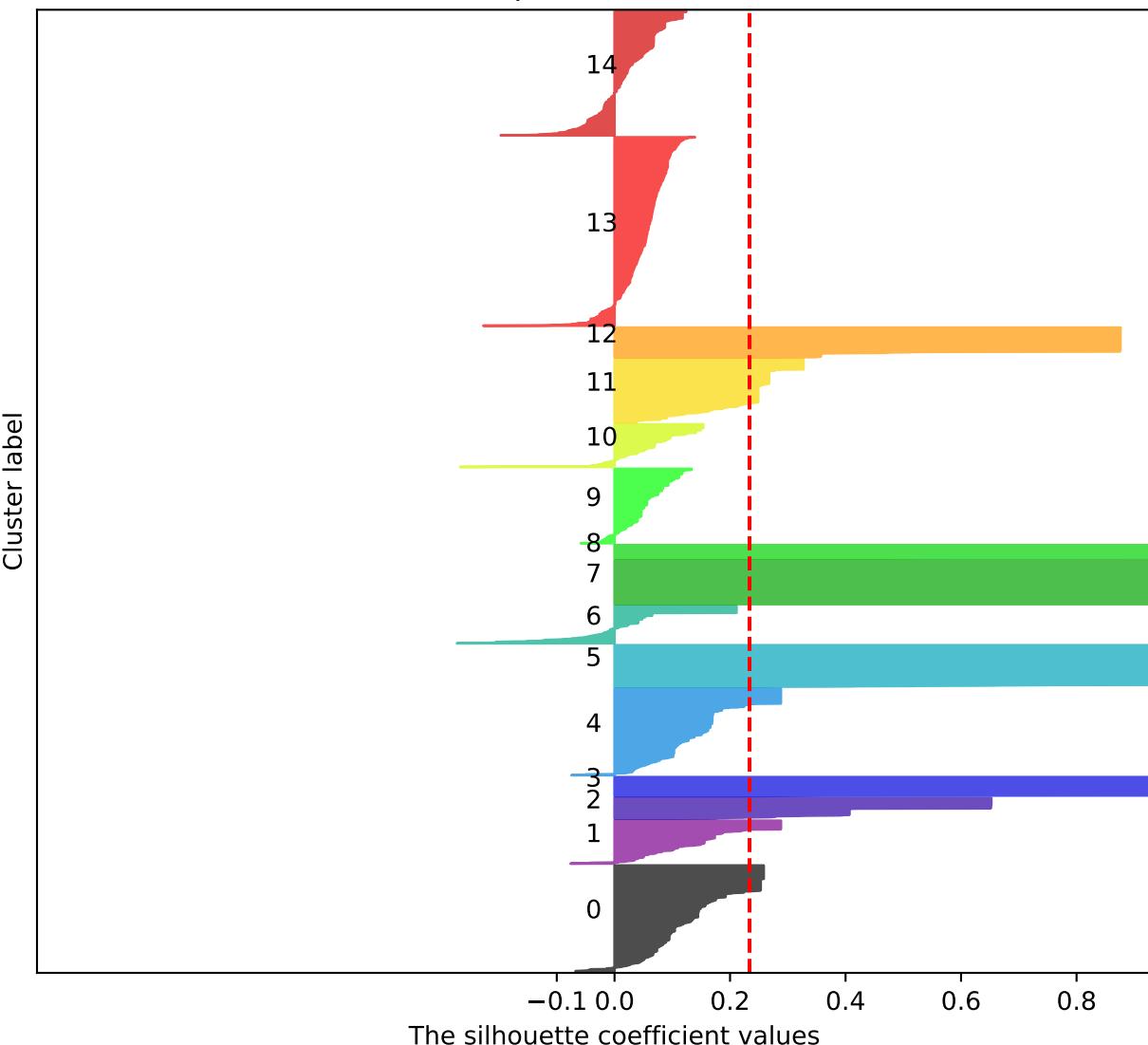


The visualization of the clustered data.

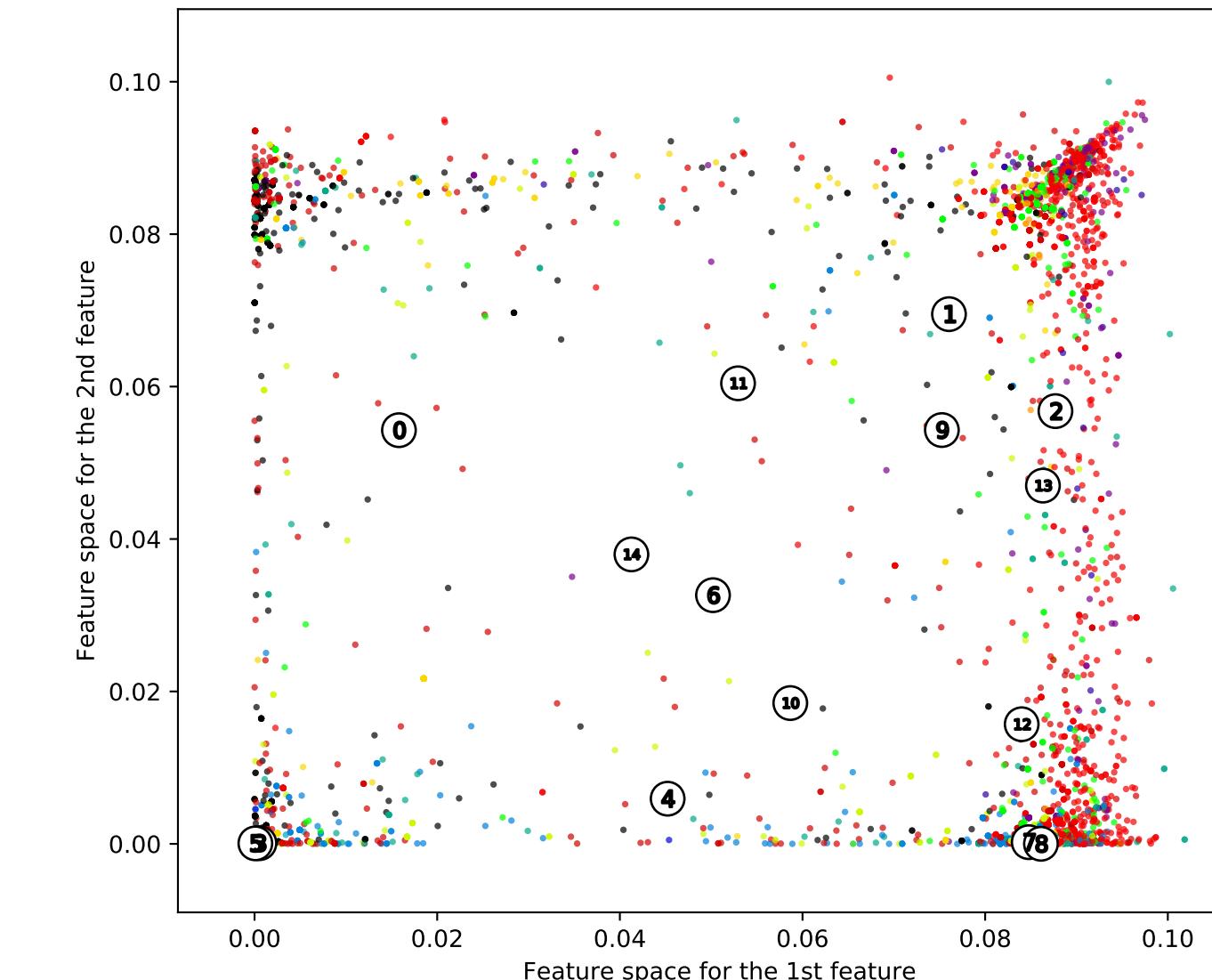


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 15 with Average Silhouette of: 0.23377326130867004

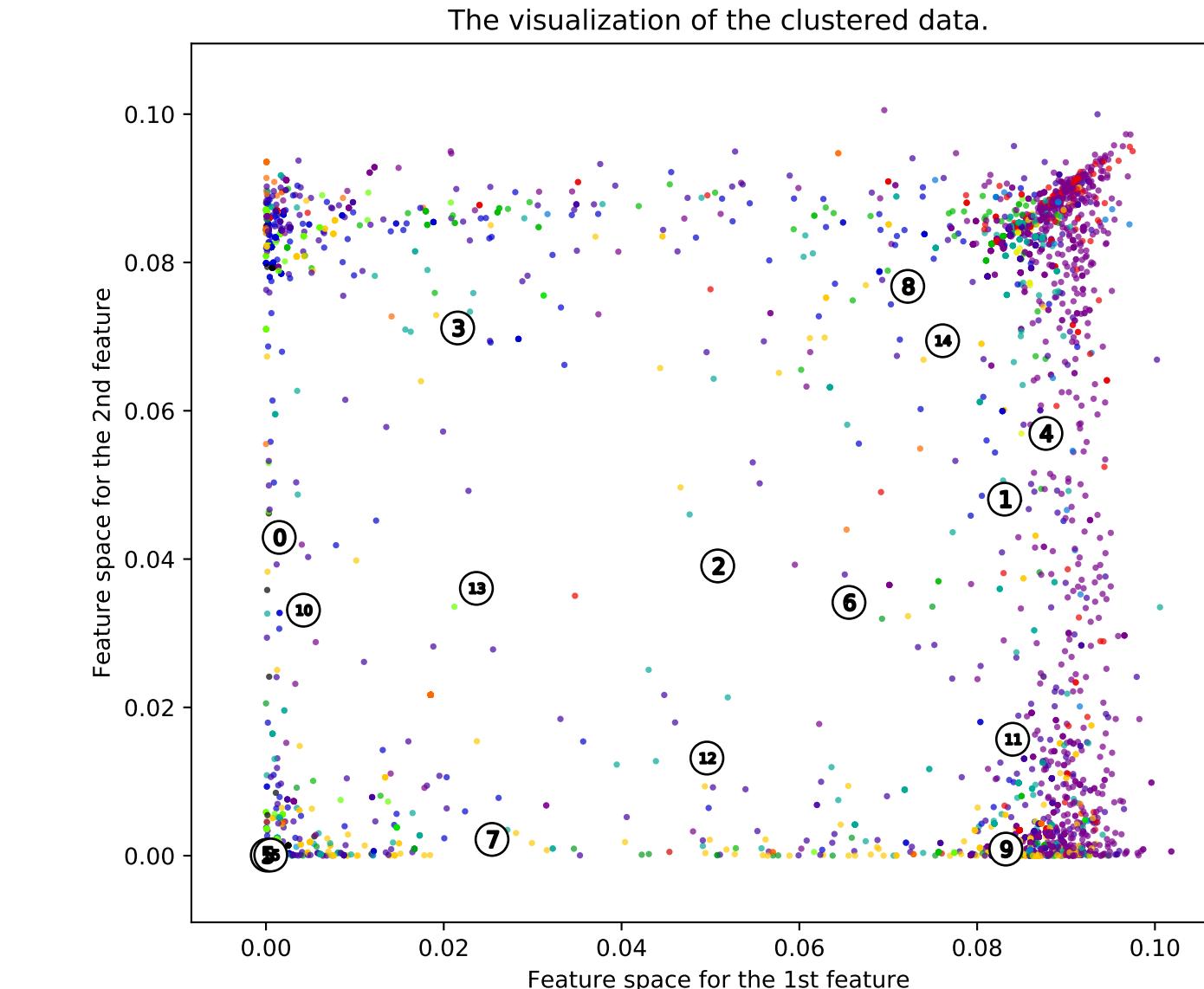
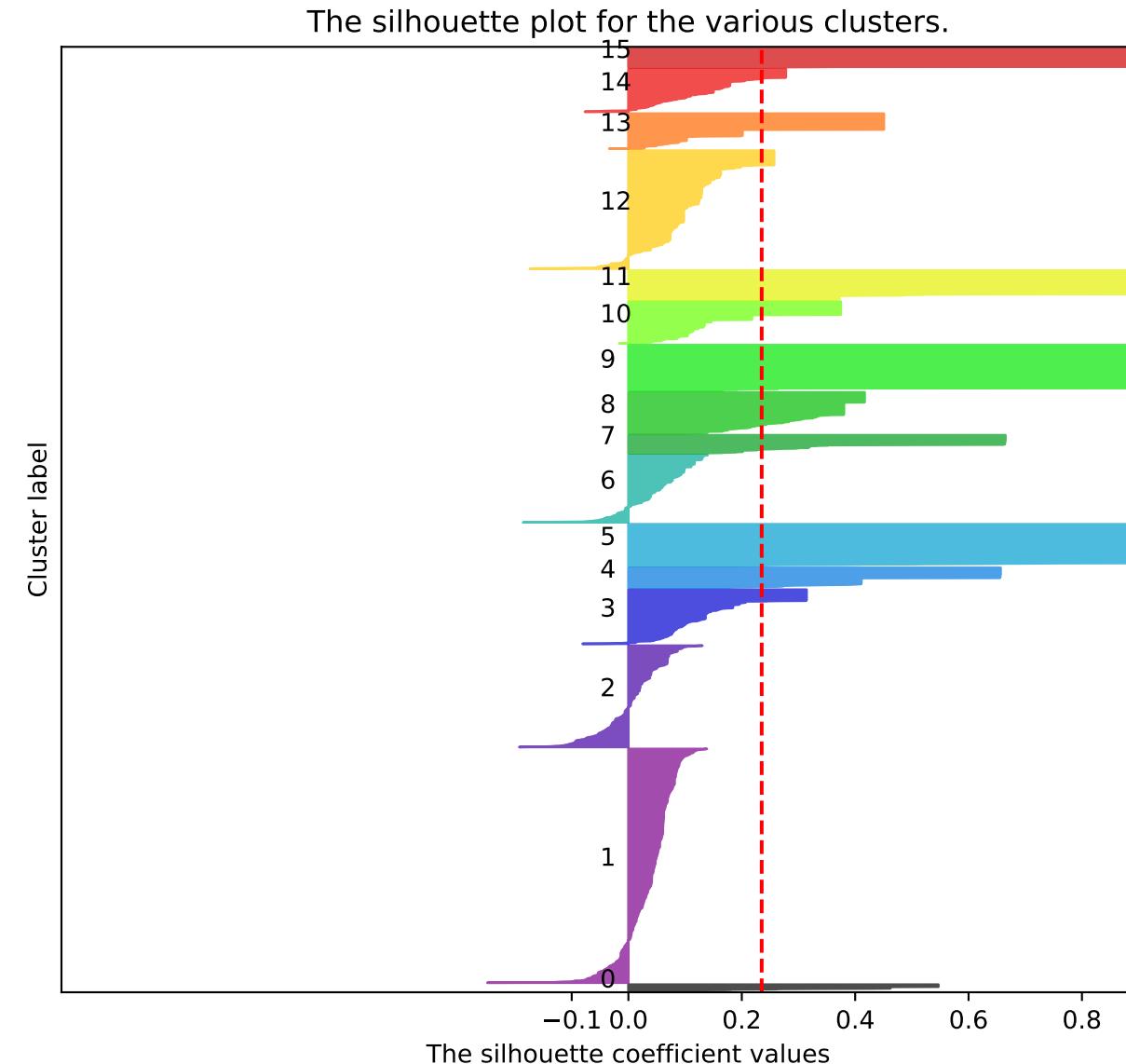
The silhouette plot for the various clusters.



The visualization of the clustered data.

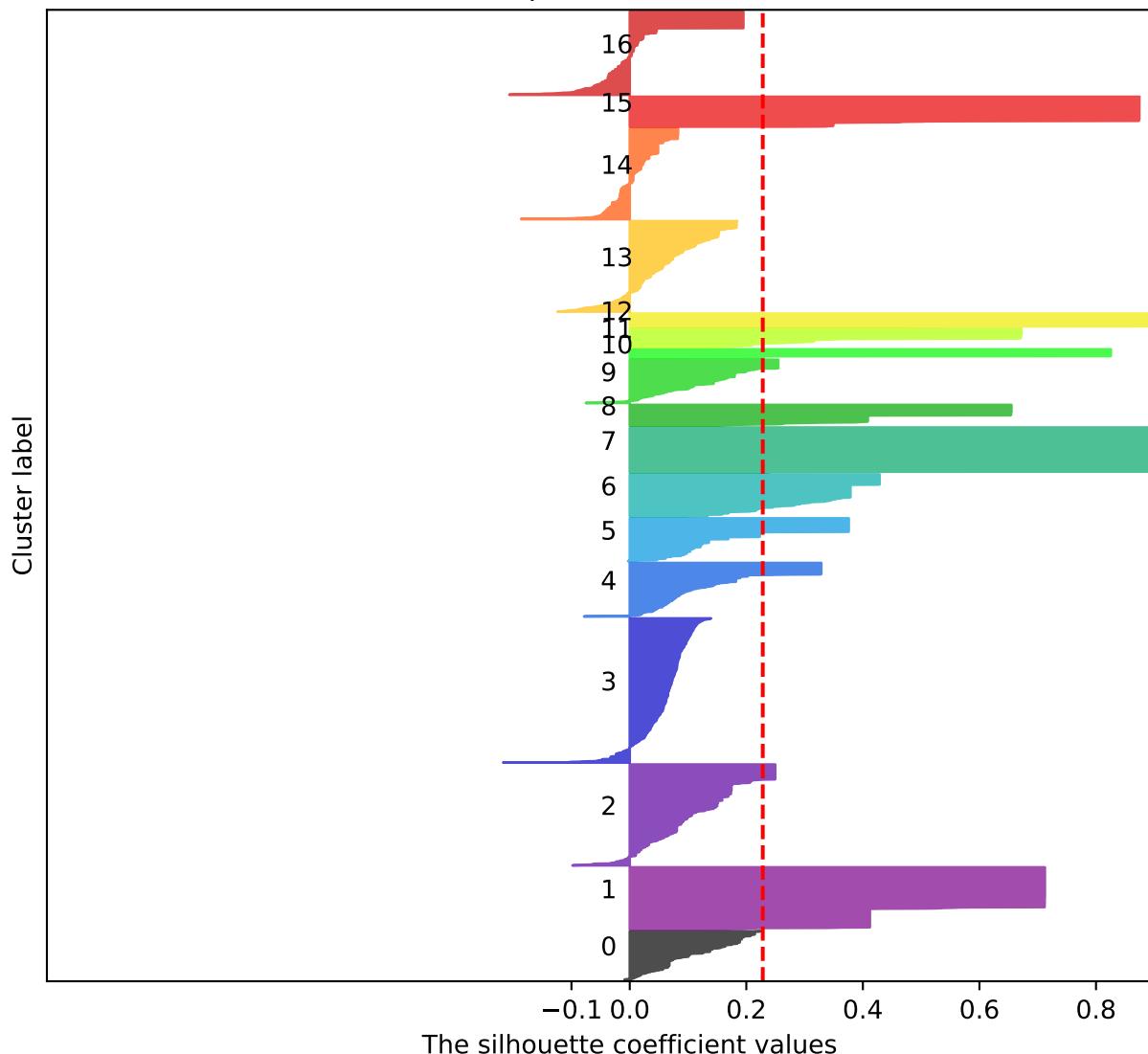


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 16 with Average Silhouette of: 0.23509015142917633

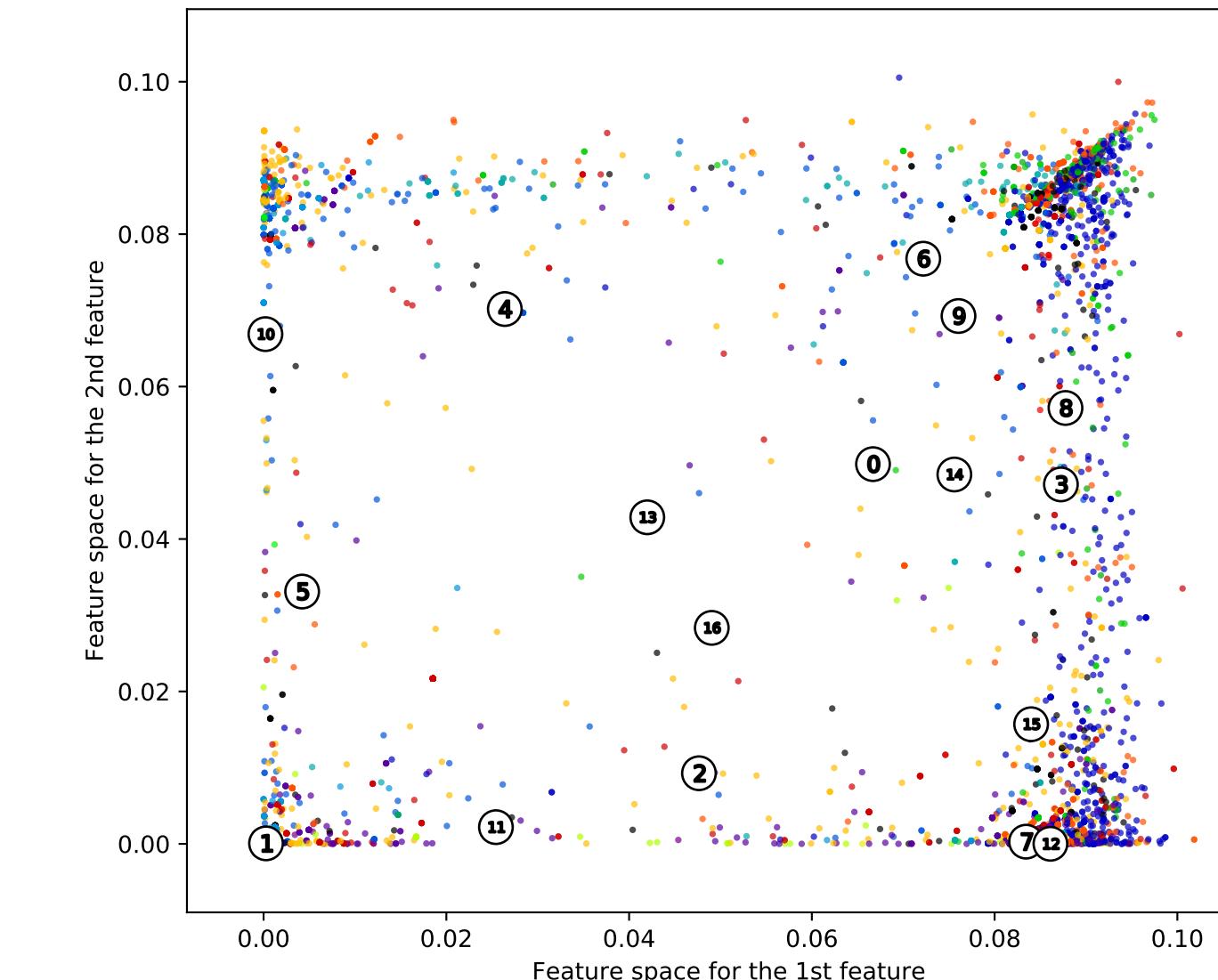


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 17 with Average Silhouette of: 0.228242427110672

The silhouette plot for the various clusters.

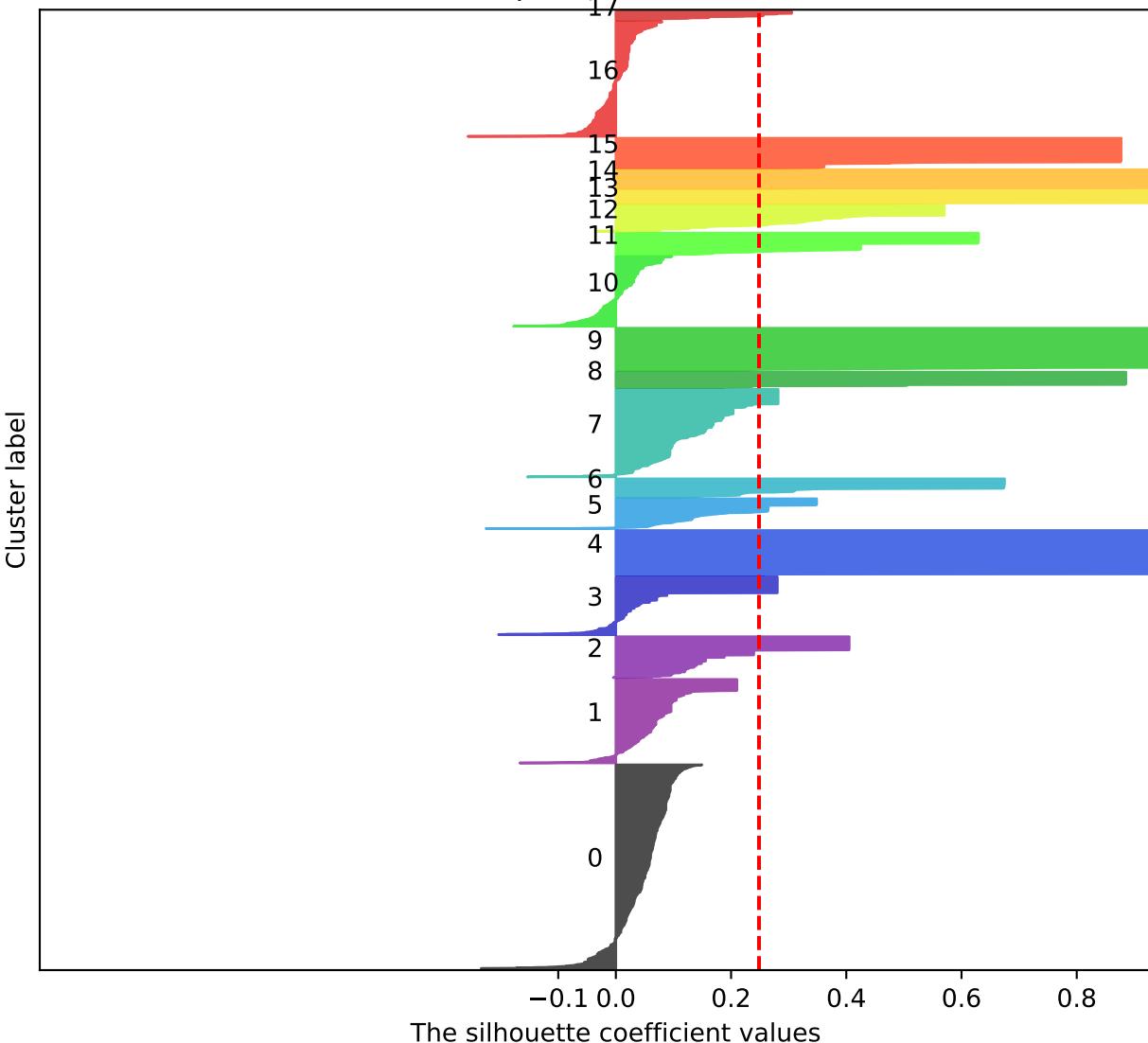


The visualization of the clustered data.

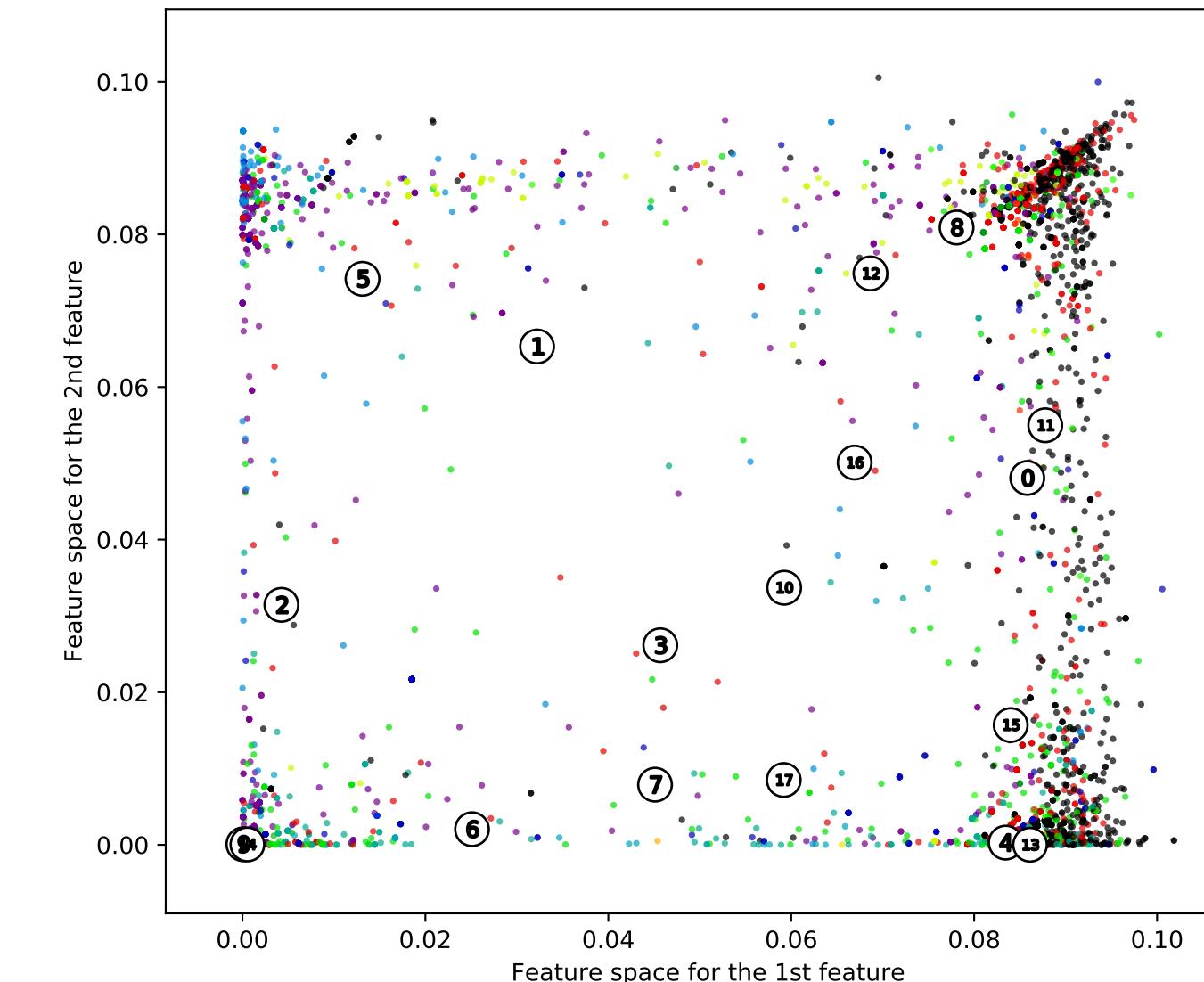


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 18 with Average Silhouette of: 0.24850358068943024

The silhouette plot for the various clusters.

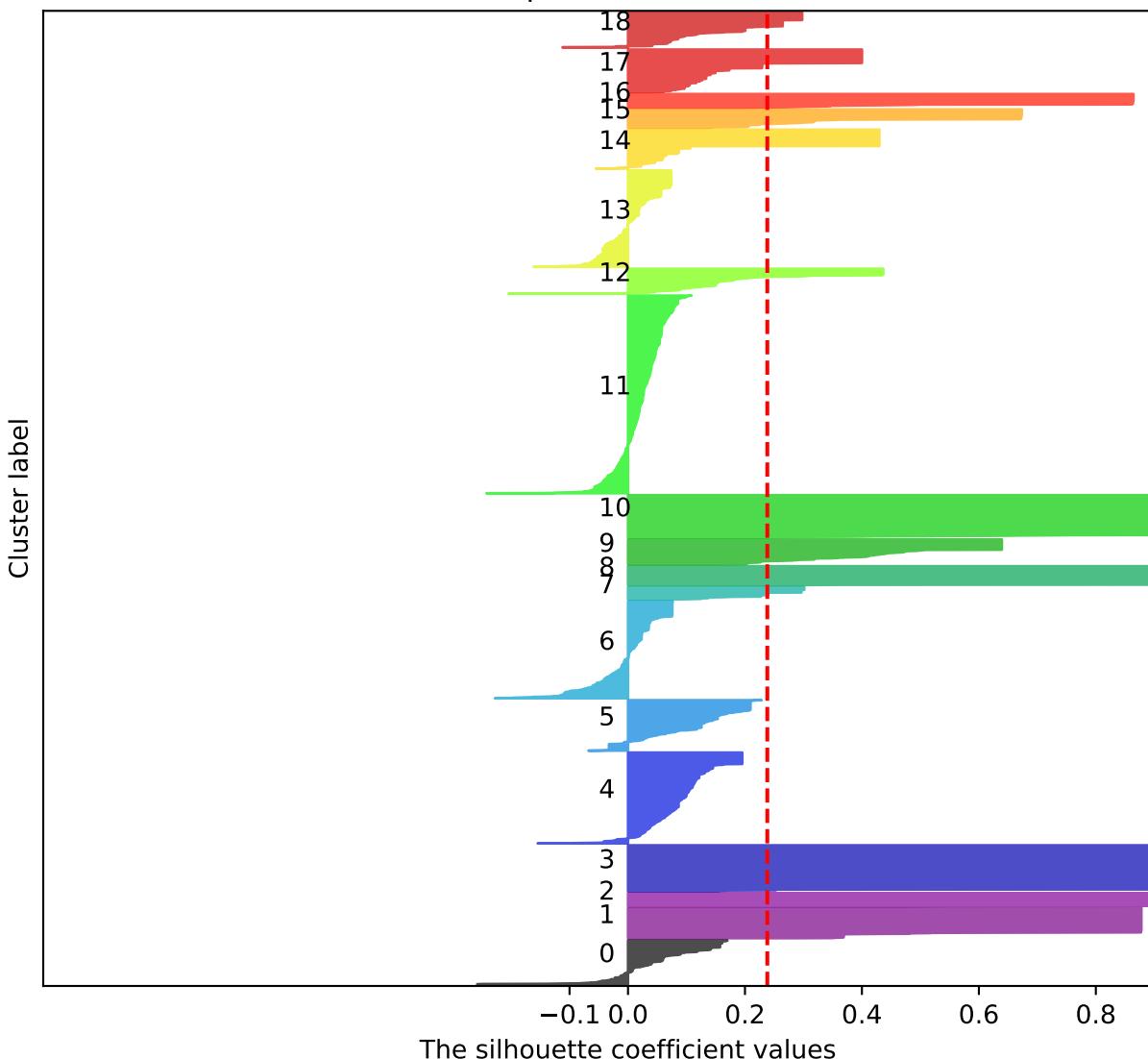


The visualization of the clustered data.

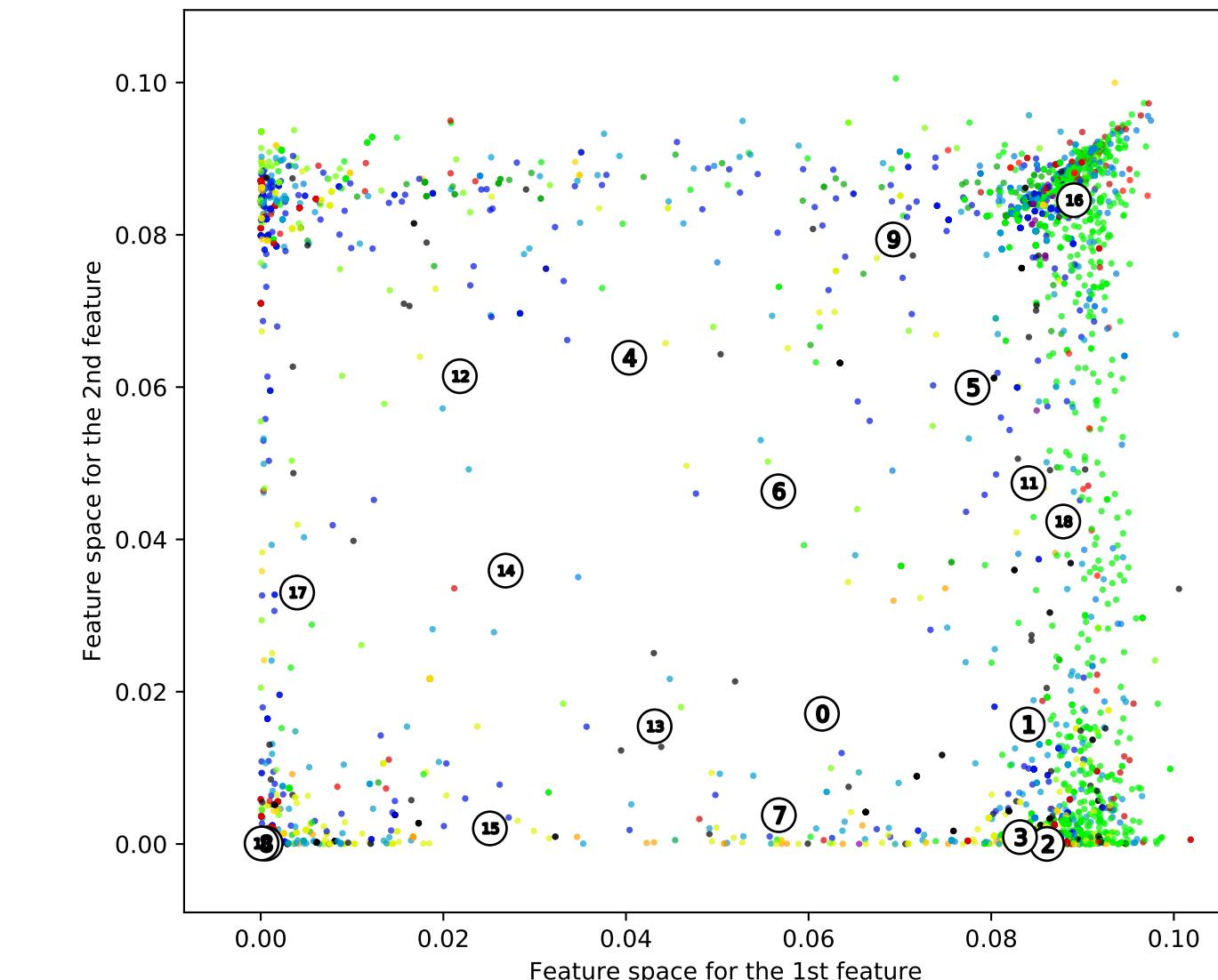


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 19 with Average Silhouette of: 0.23821744322776794

The silhouette plot for the various clusters.

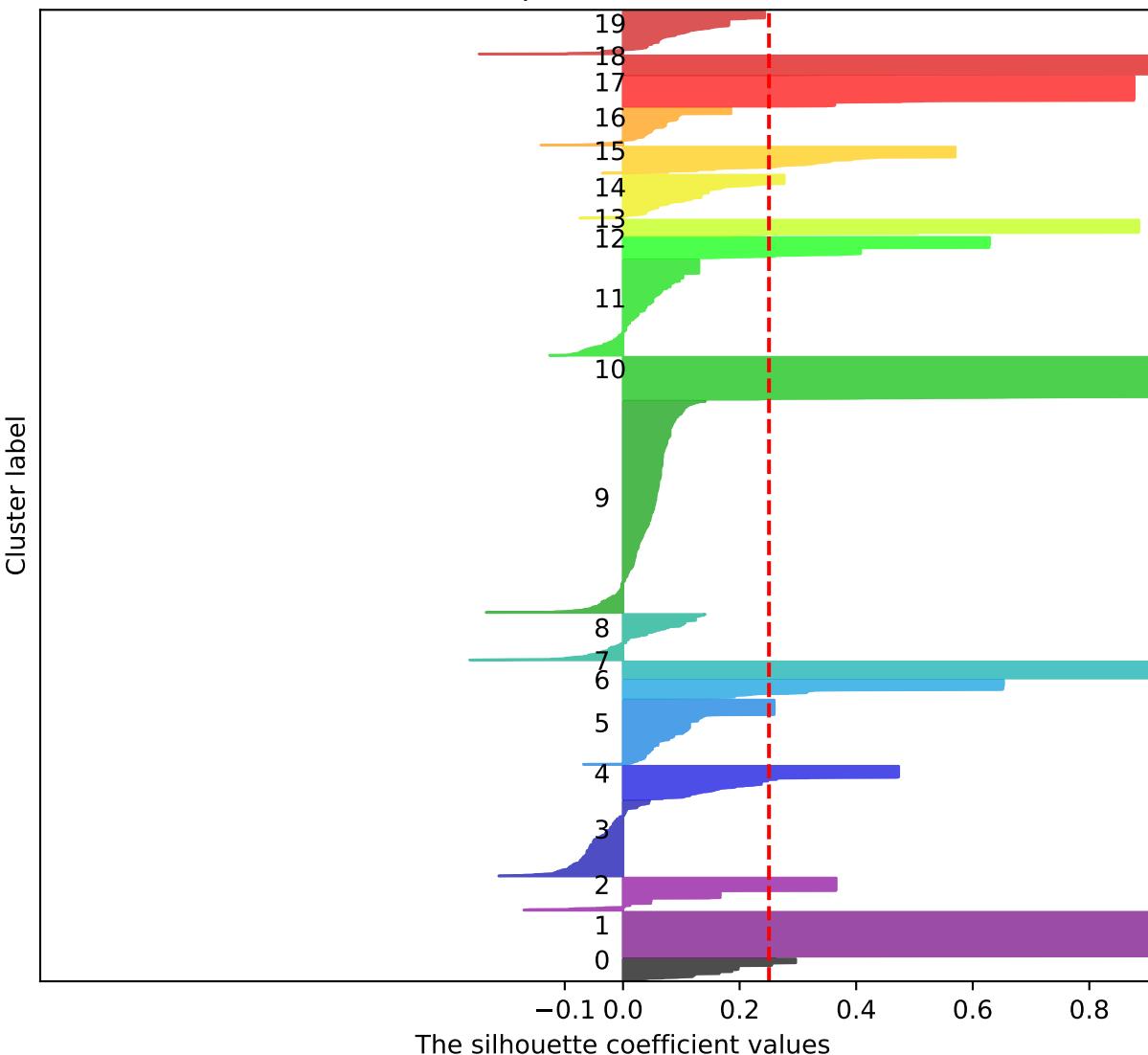


The visualization of the clustered data.

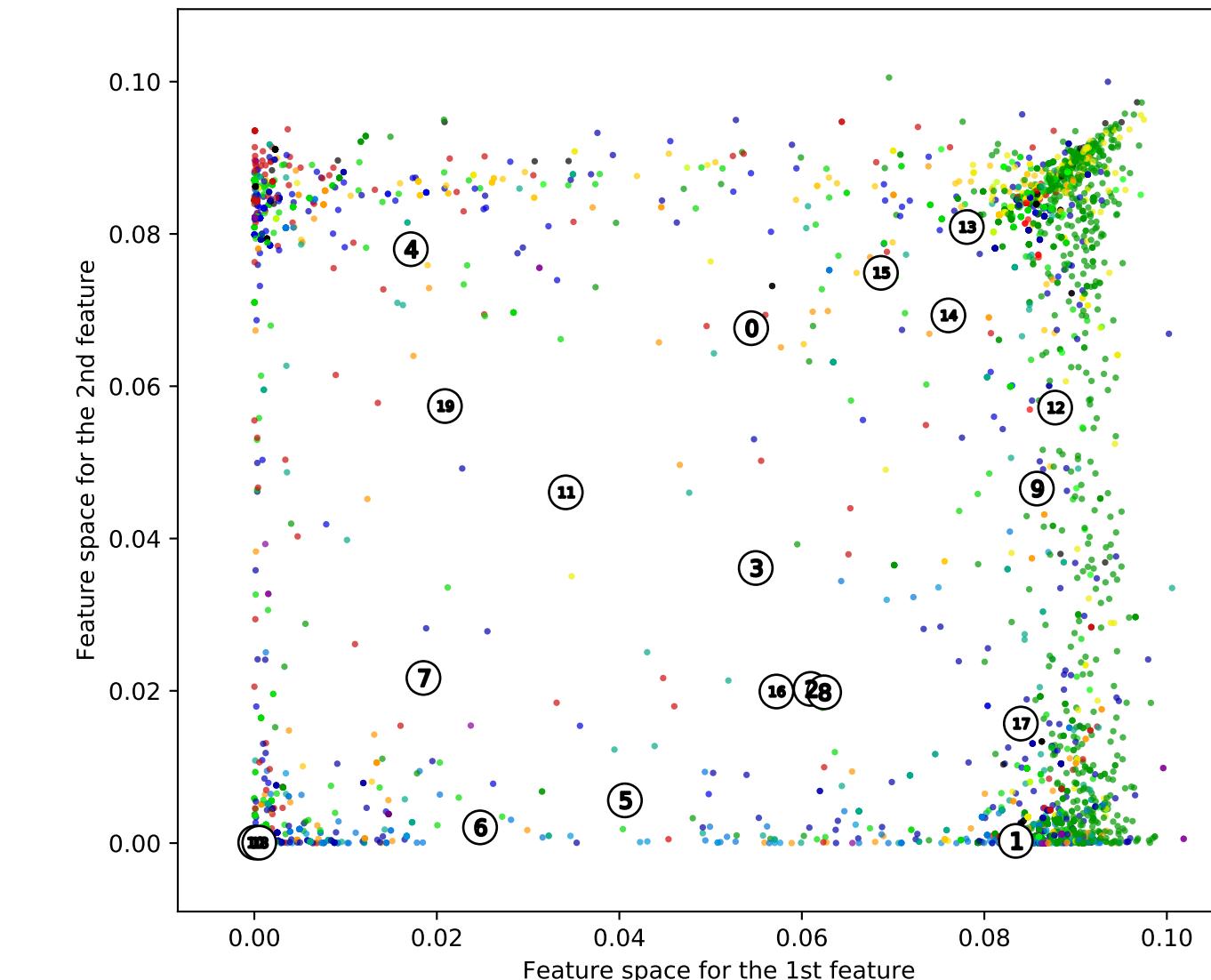


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 20 with Average Silhouette of: 0.25040847063064575

The silhouette plot for the various clusters.

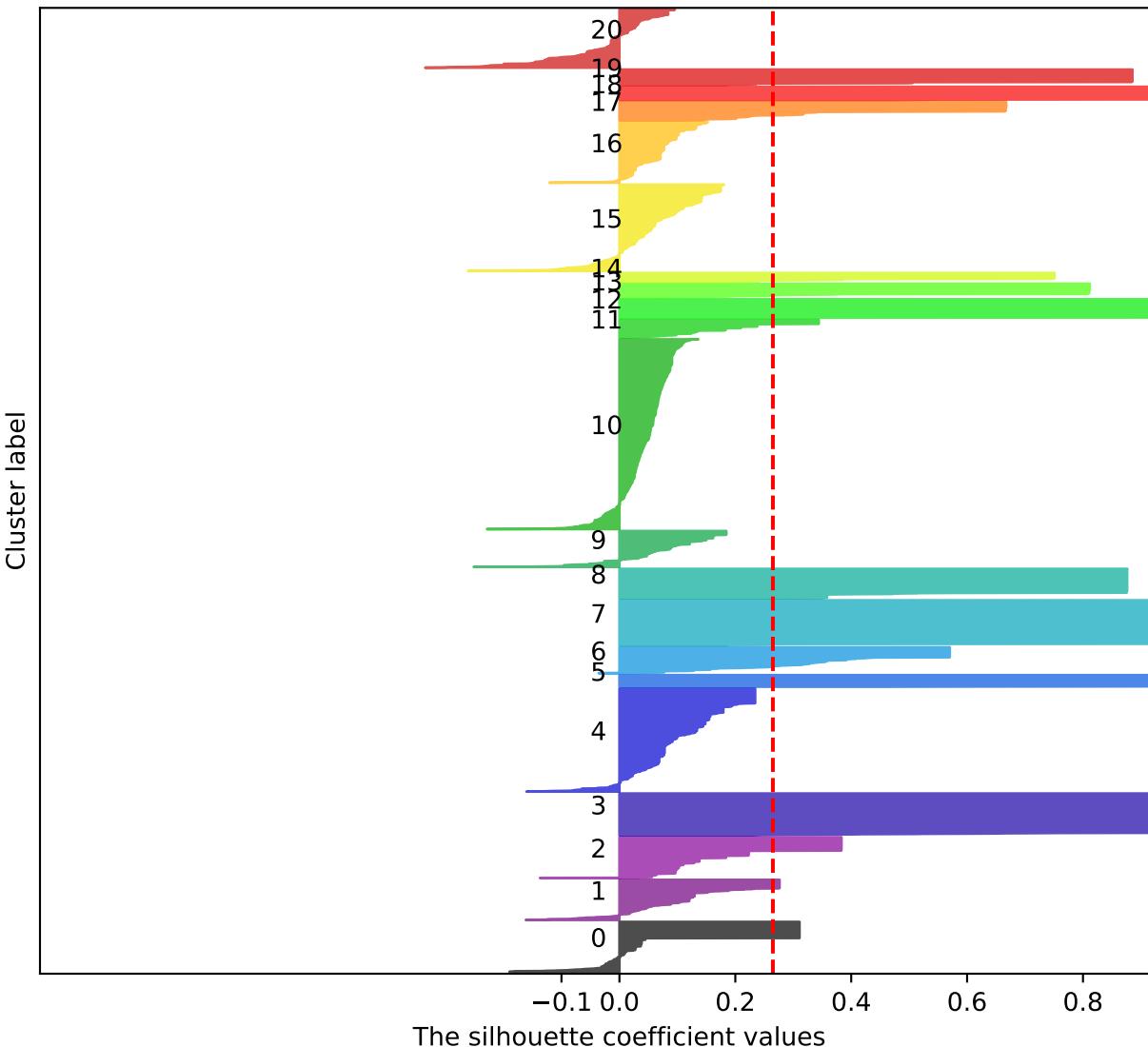


The visualization of the clustered data.

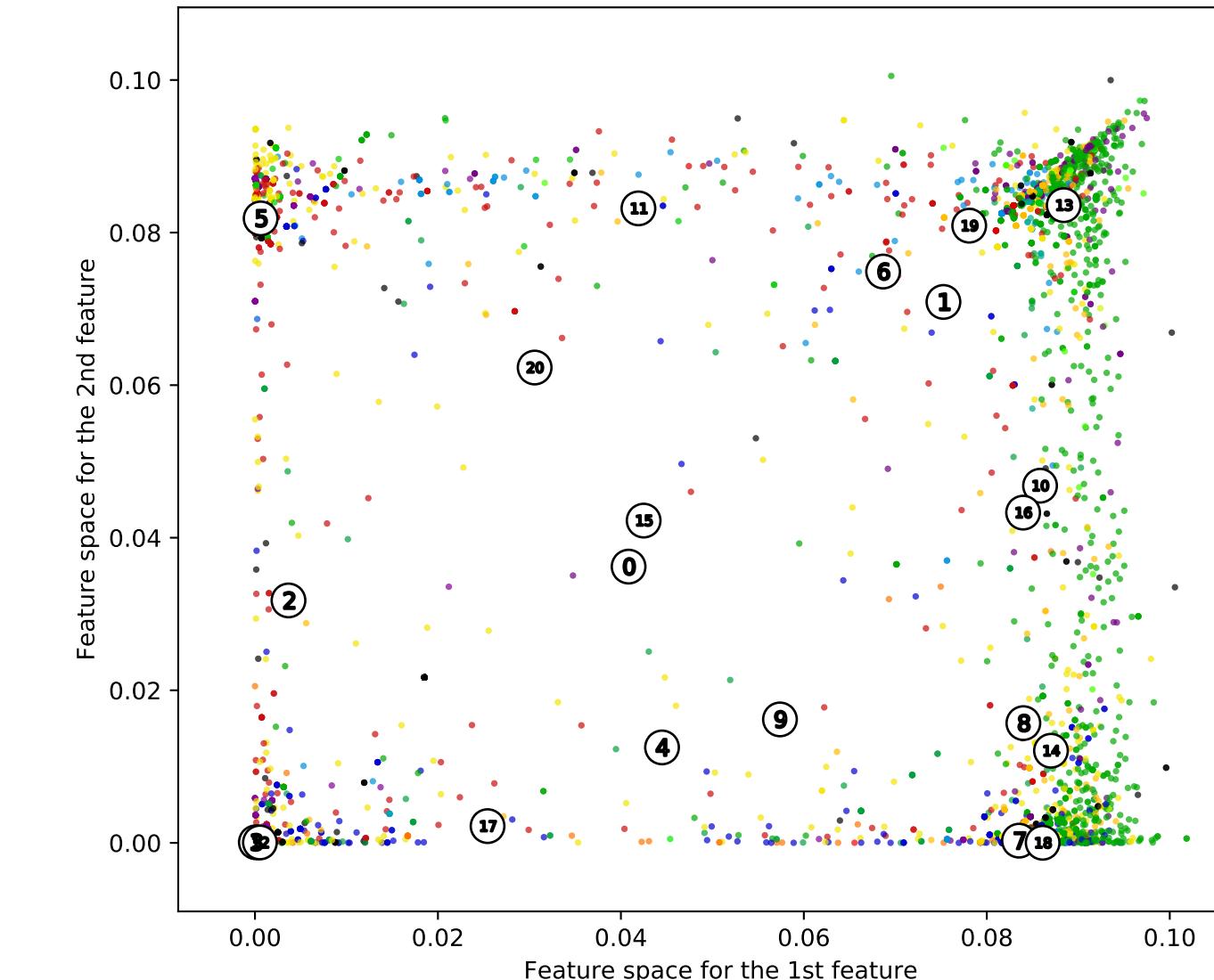


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 21 with Average Silhouette of: 0.26481637358665466

The silhouette plot for the various clusters.

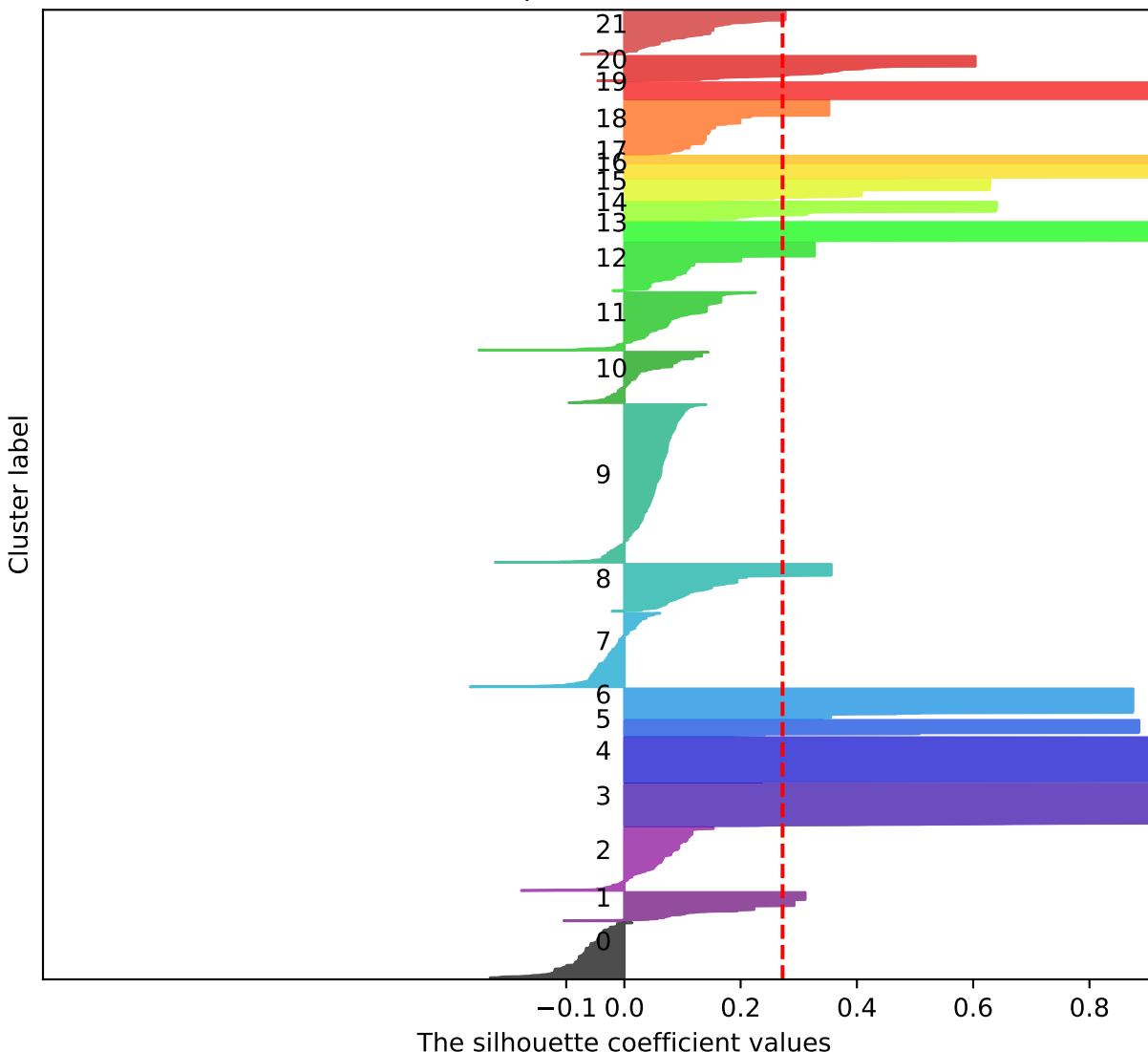


The visualization of the clustered data.

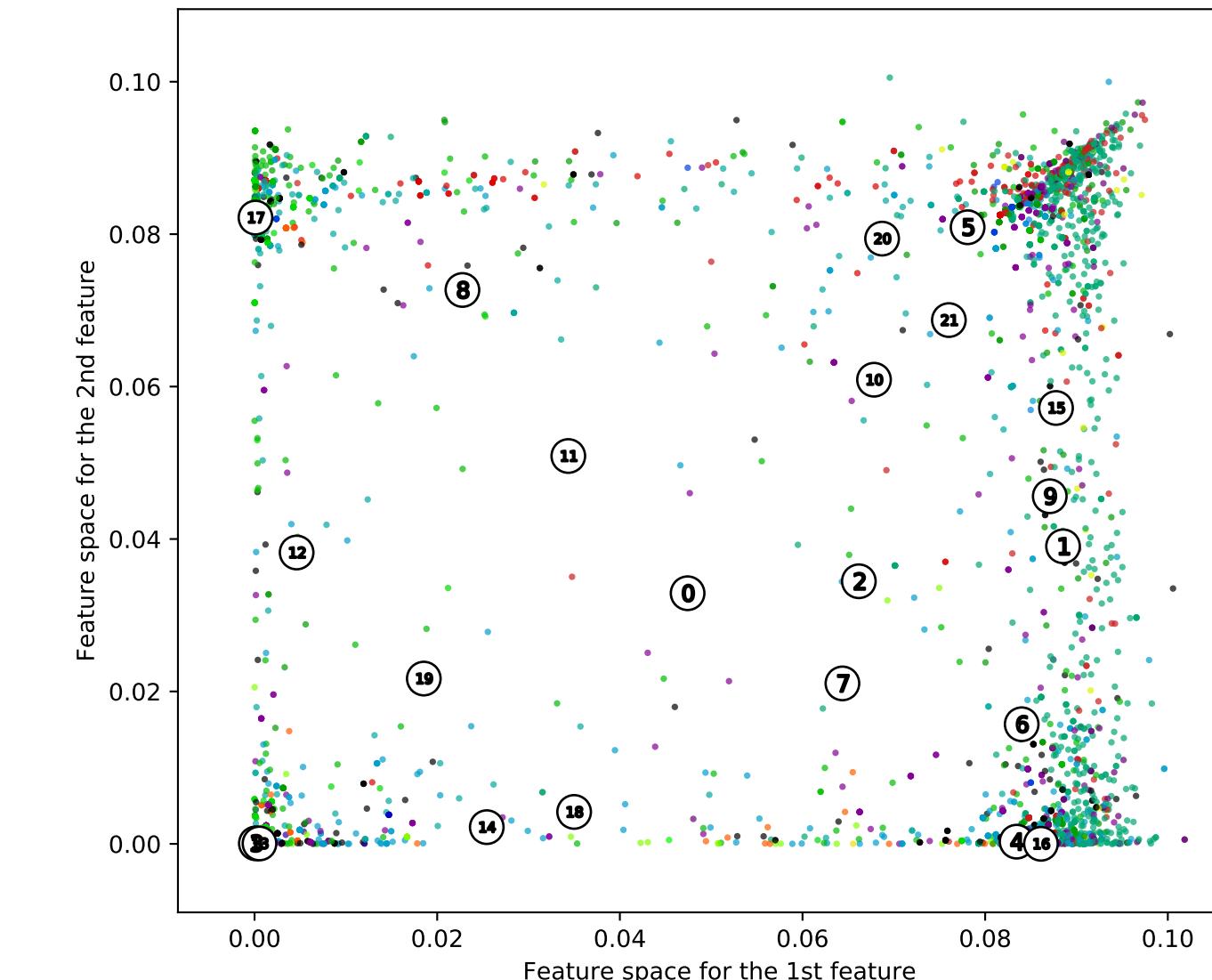


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 22 with Average Silhouette of: 0.2720837891101837

The silhouette plot for the various clusters.

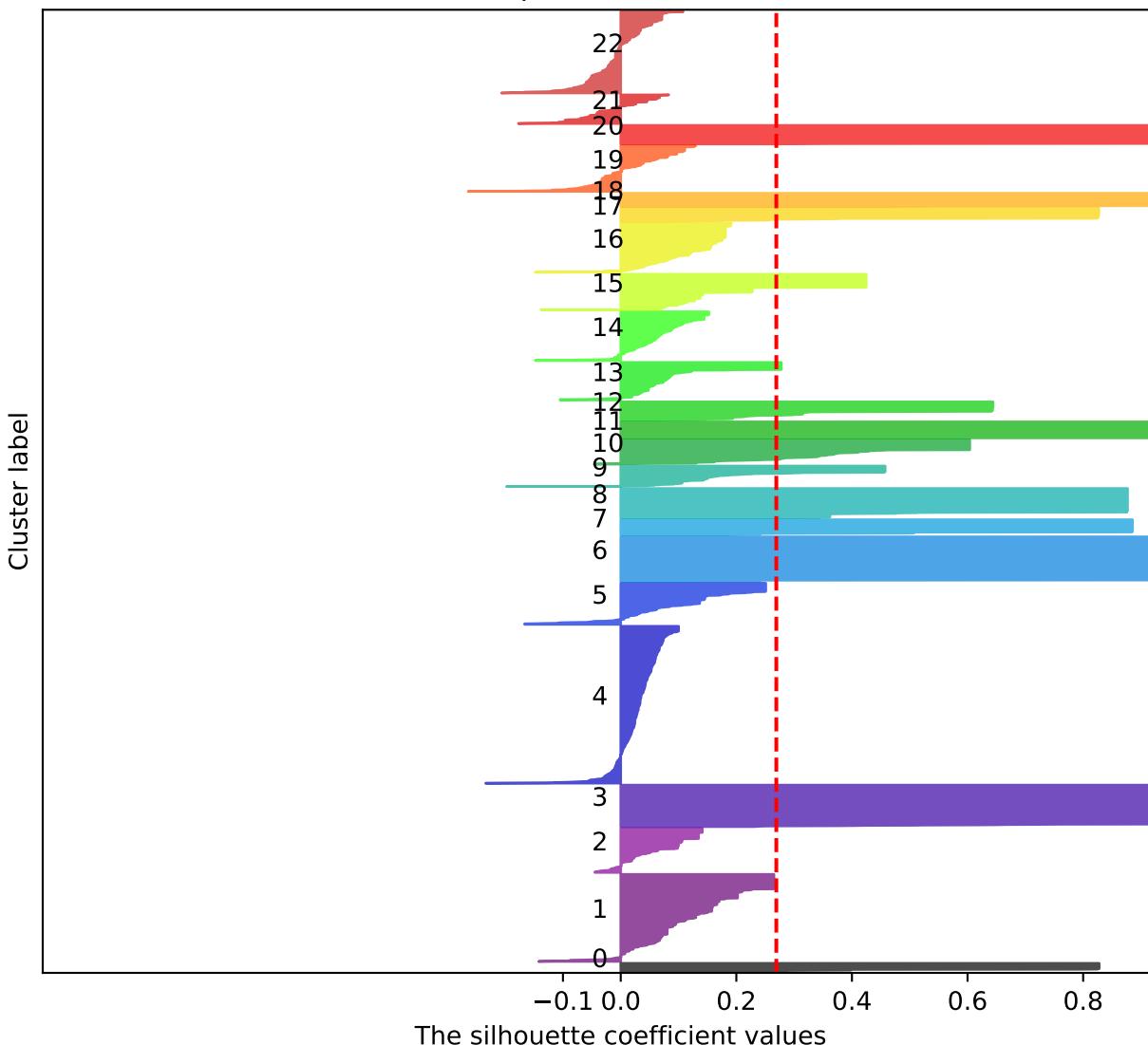


The visualization of the clustered data.

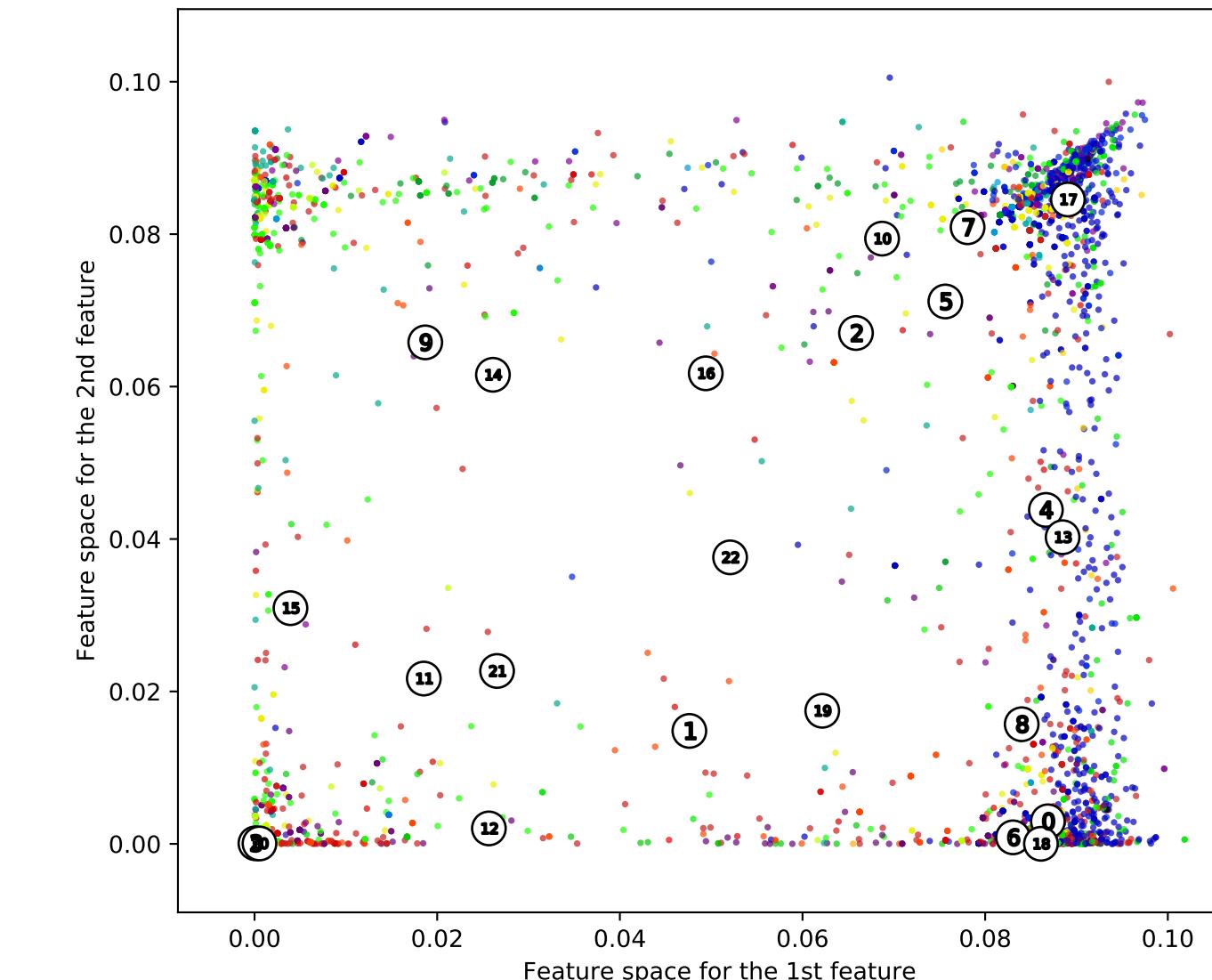


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 23 with Average Silhouette of: 0.2691439688205719

The silhouette plot for the various clusters.

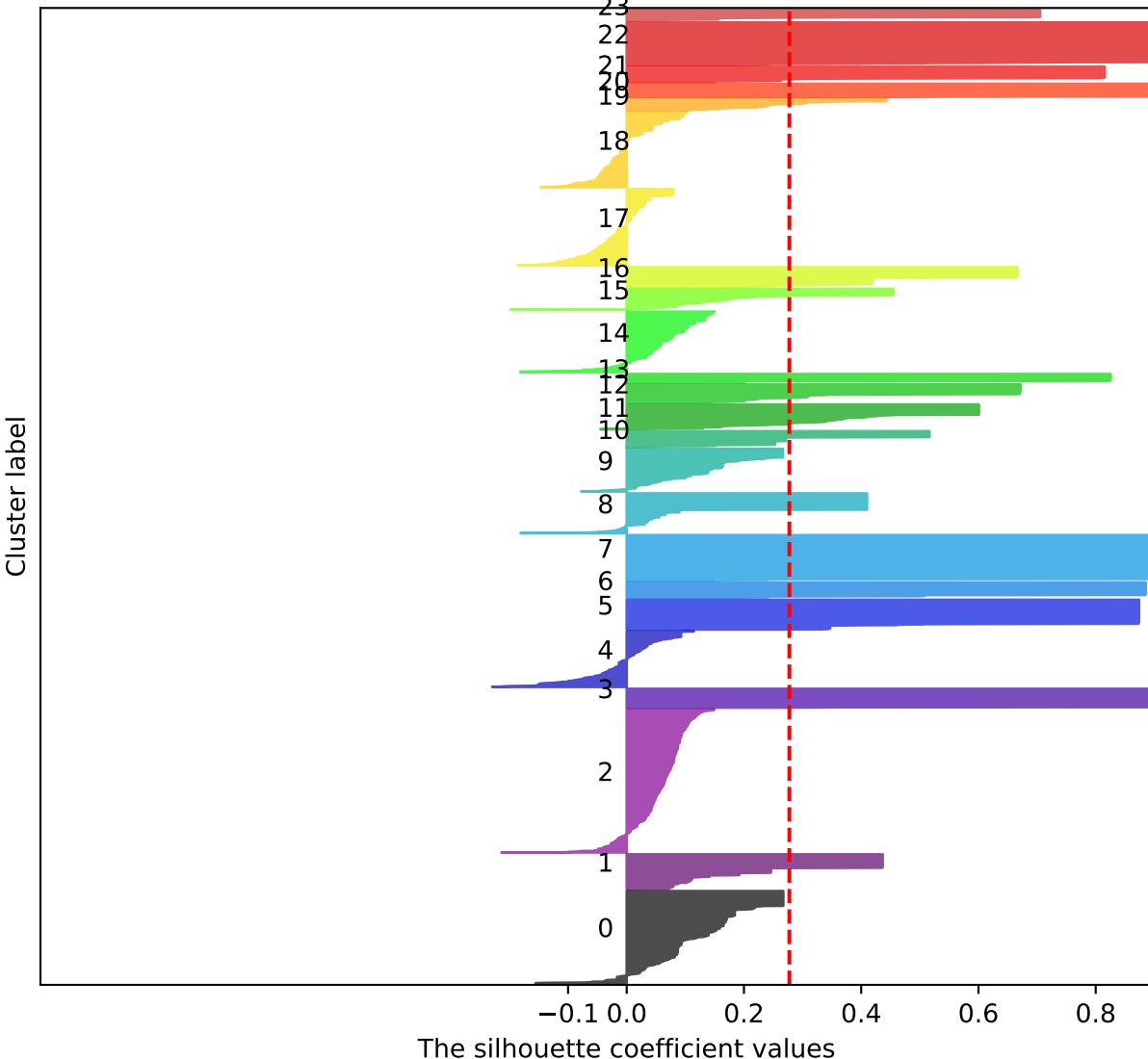


The visualization of the clustered data.

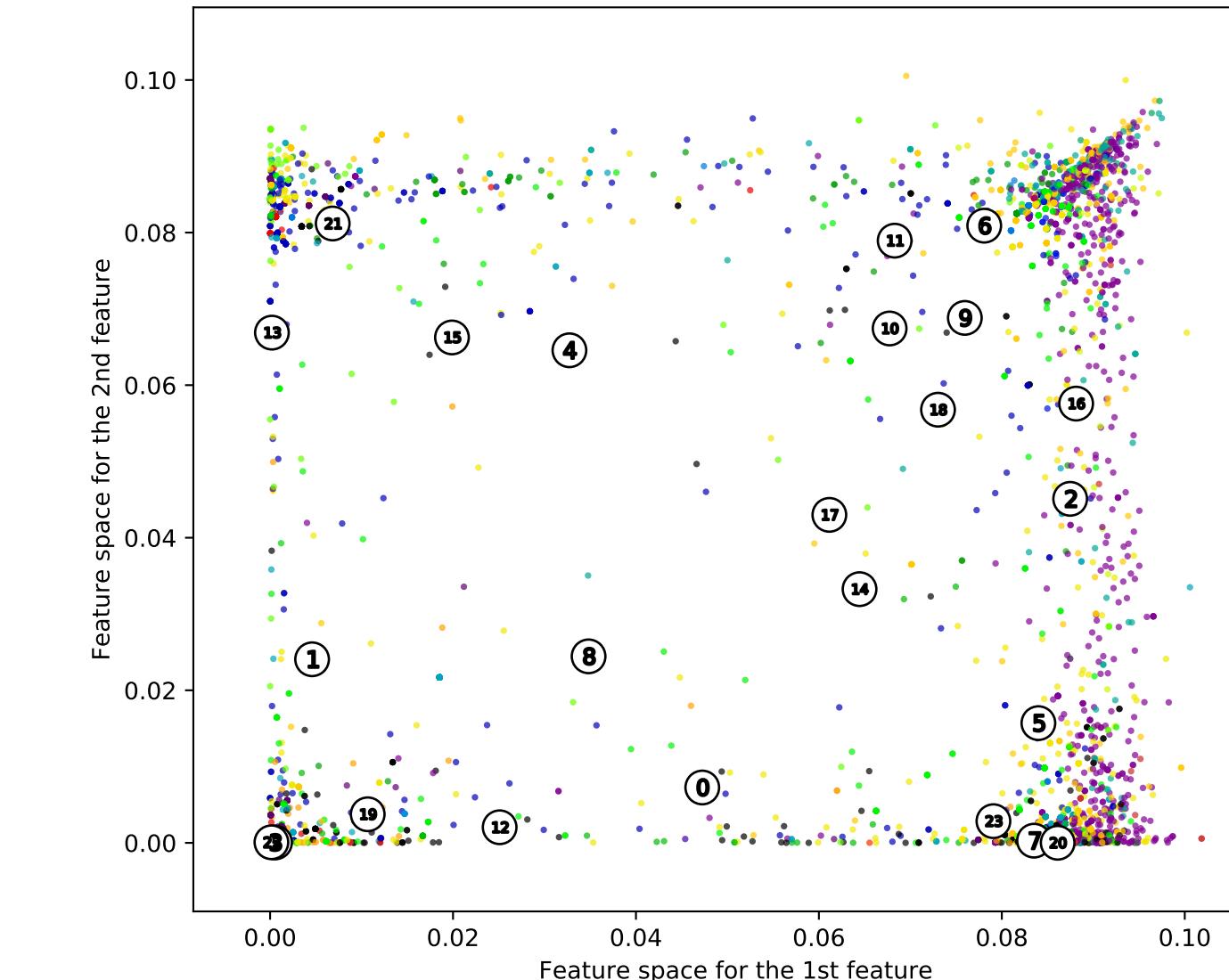


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 24 with Average Silhouette of: 0.27748703956604004**

The silhouette plot for the various clusters

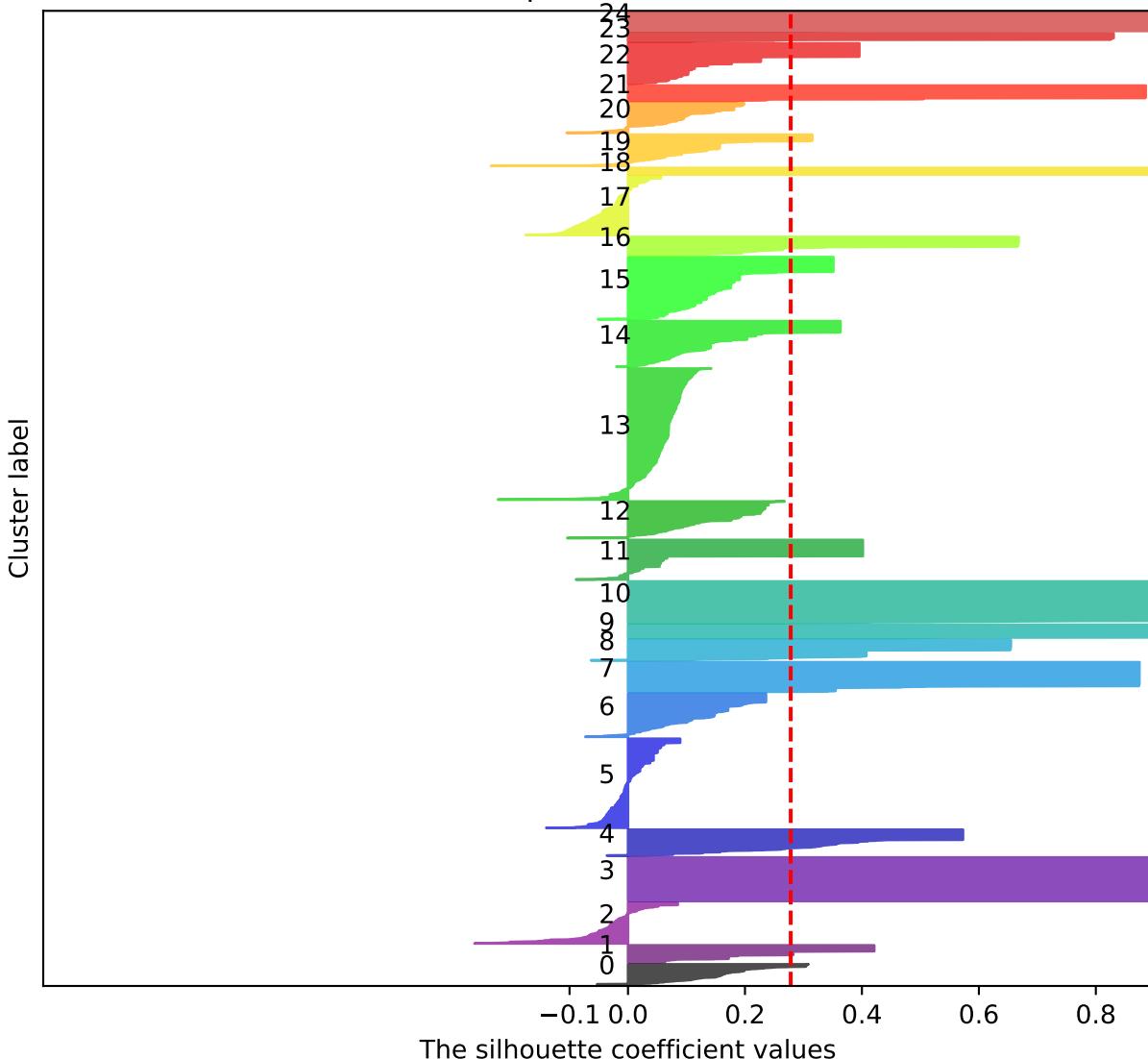


The visualization of the clustered data

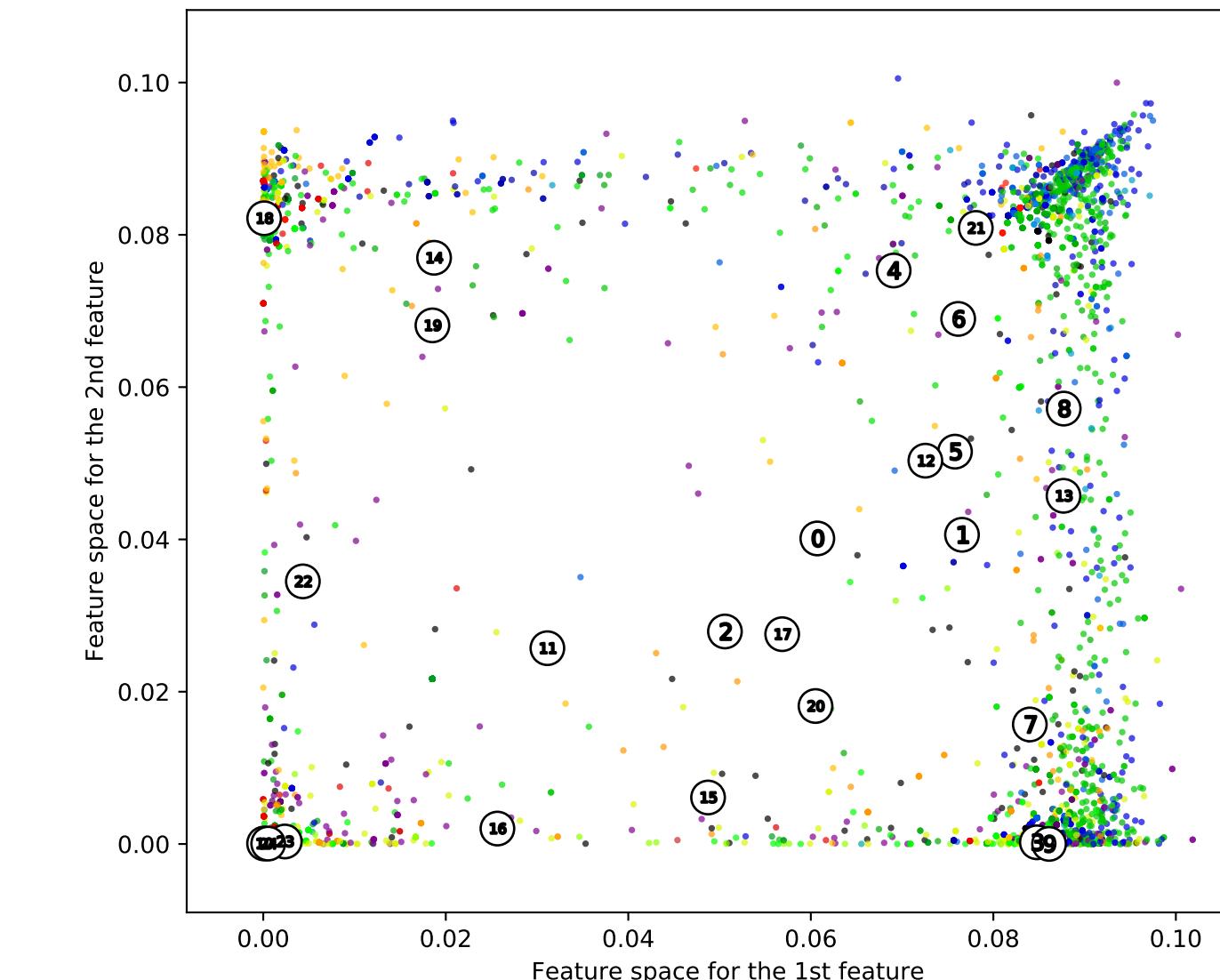


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 25 with Average Silhouette of: 0.2782081961631775

The silhouette plot for the various clusters.

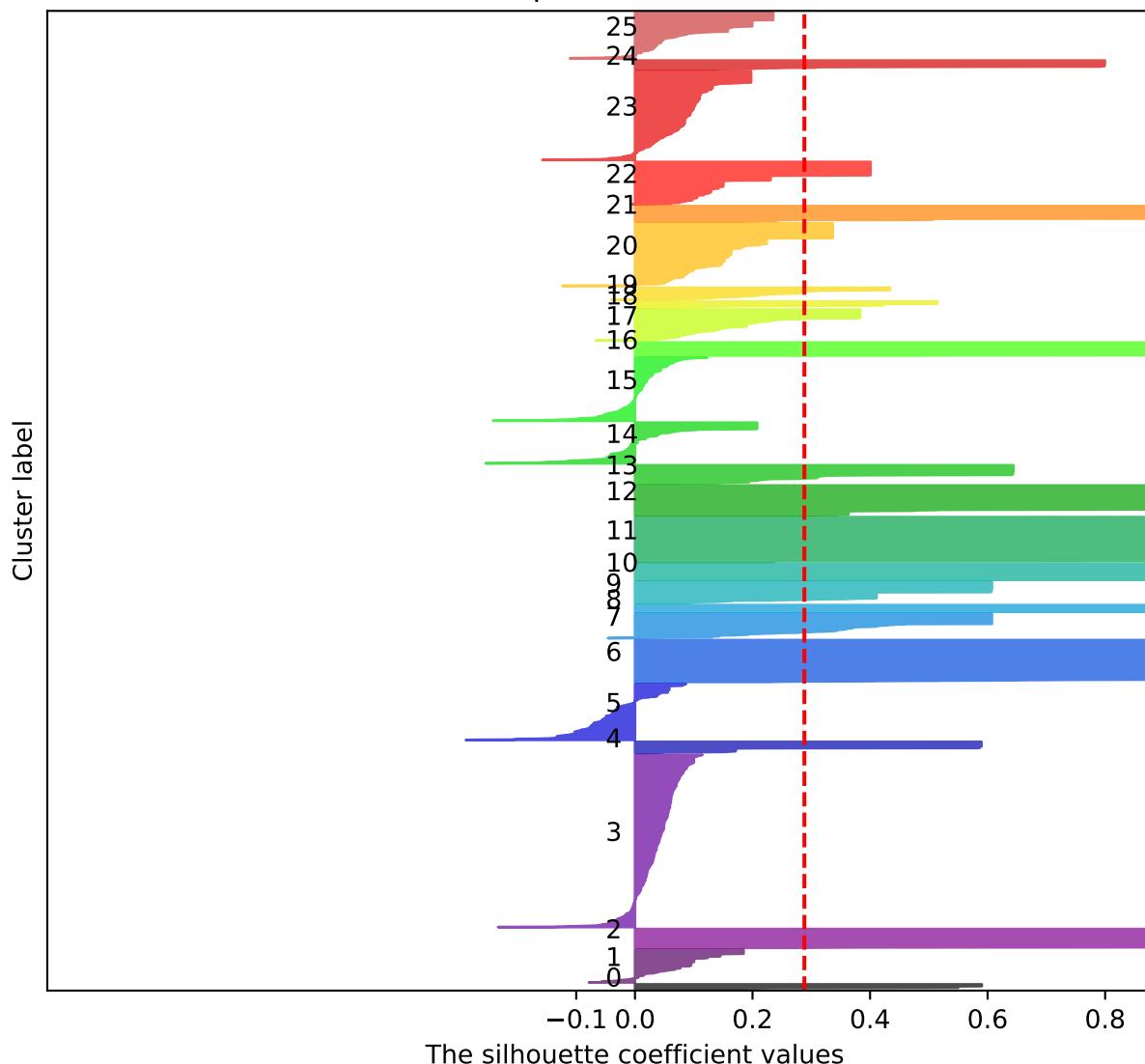


The visualization of the clustered data.

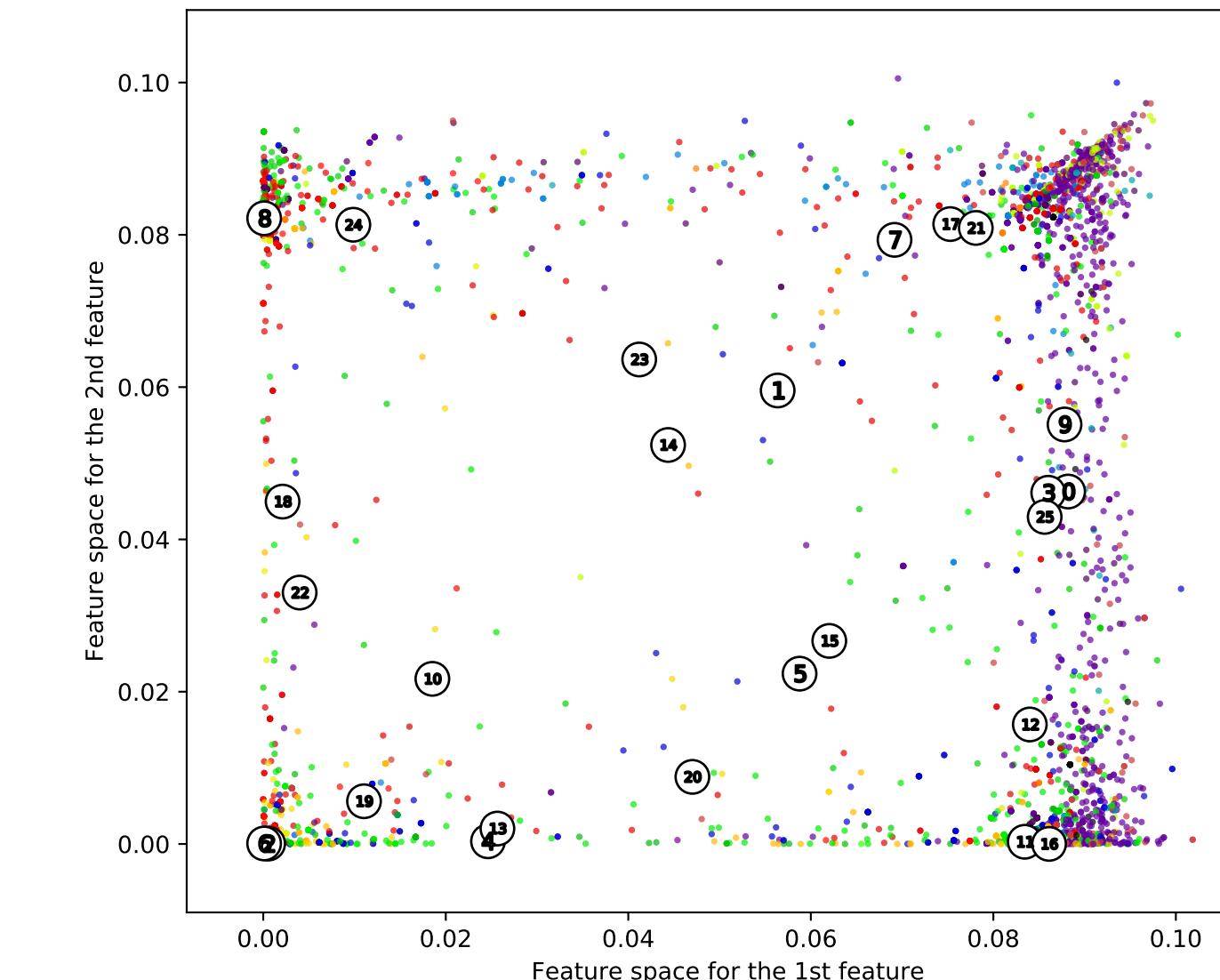


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 26 with Average Silhouette of: 0.288196861743927

The silhouette plot for the various clusters.

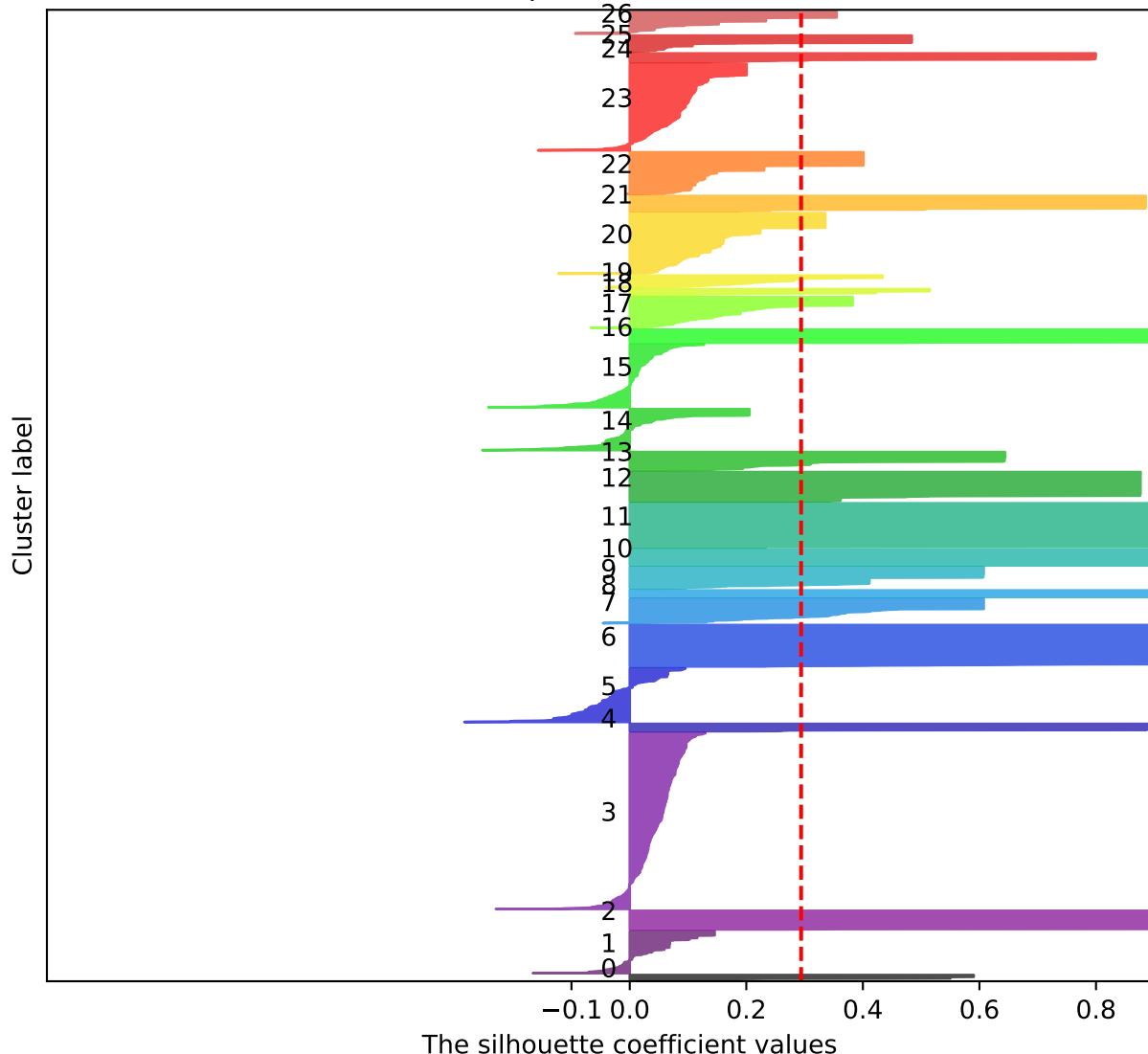


The visualization of the clustered data.

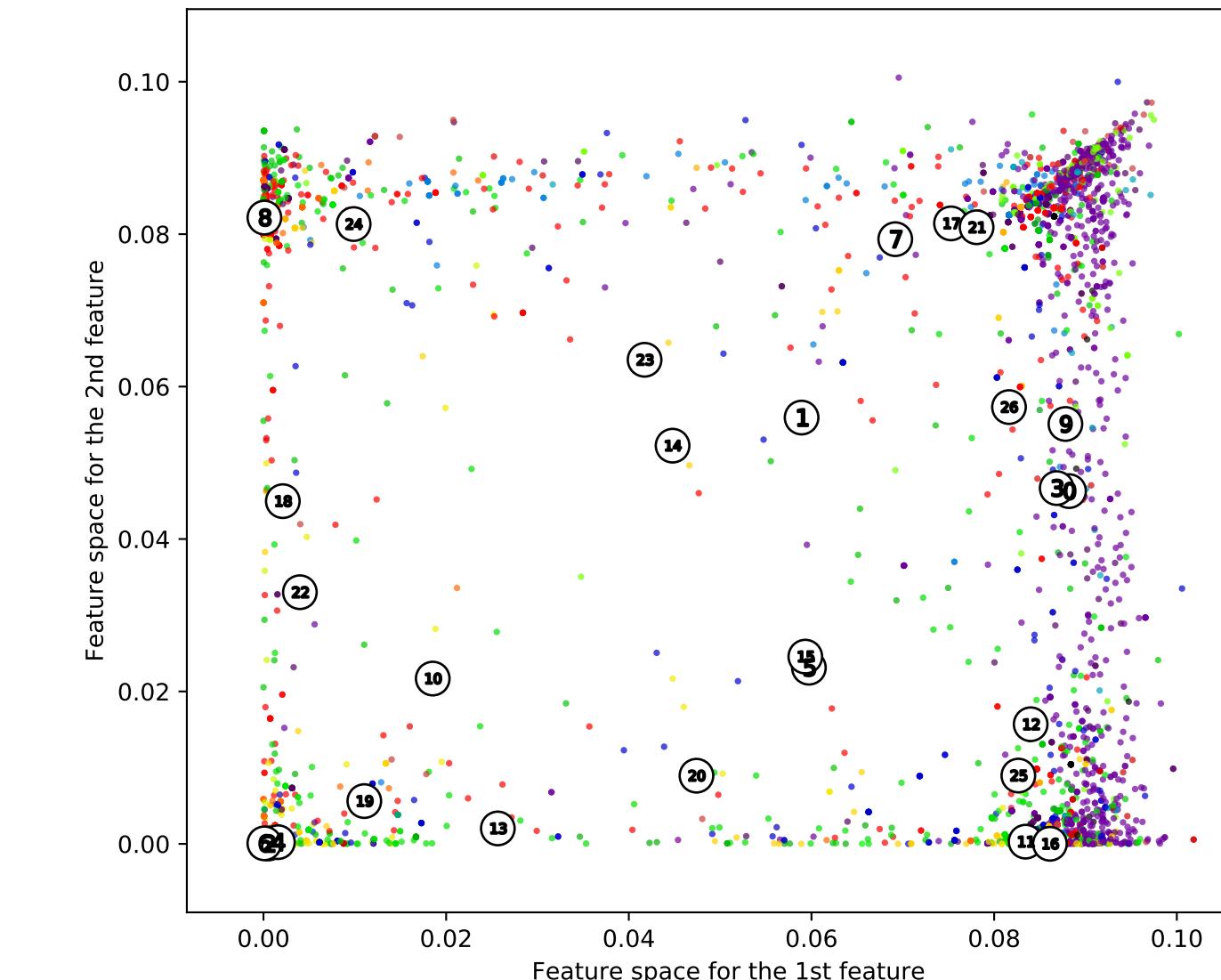


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 27 with Average Silhouette of: 0.29404646158218384

The silhouette plot for the various clusters.

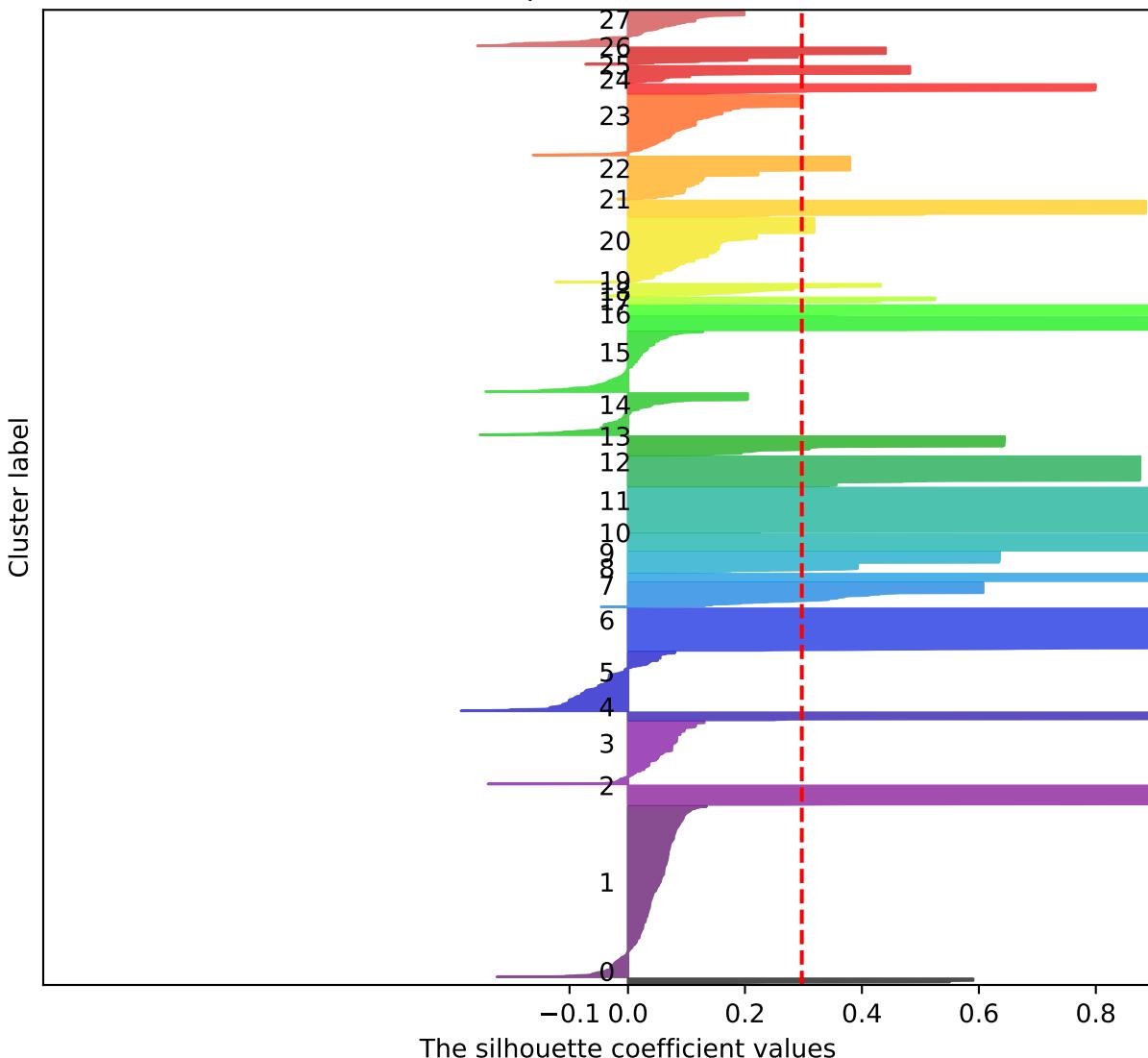


The visualization of the clustered data.

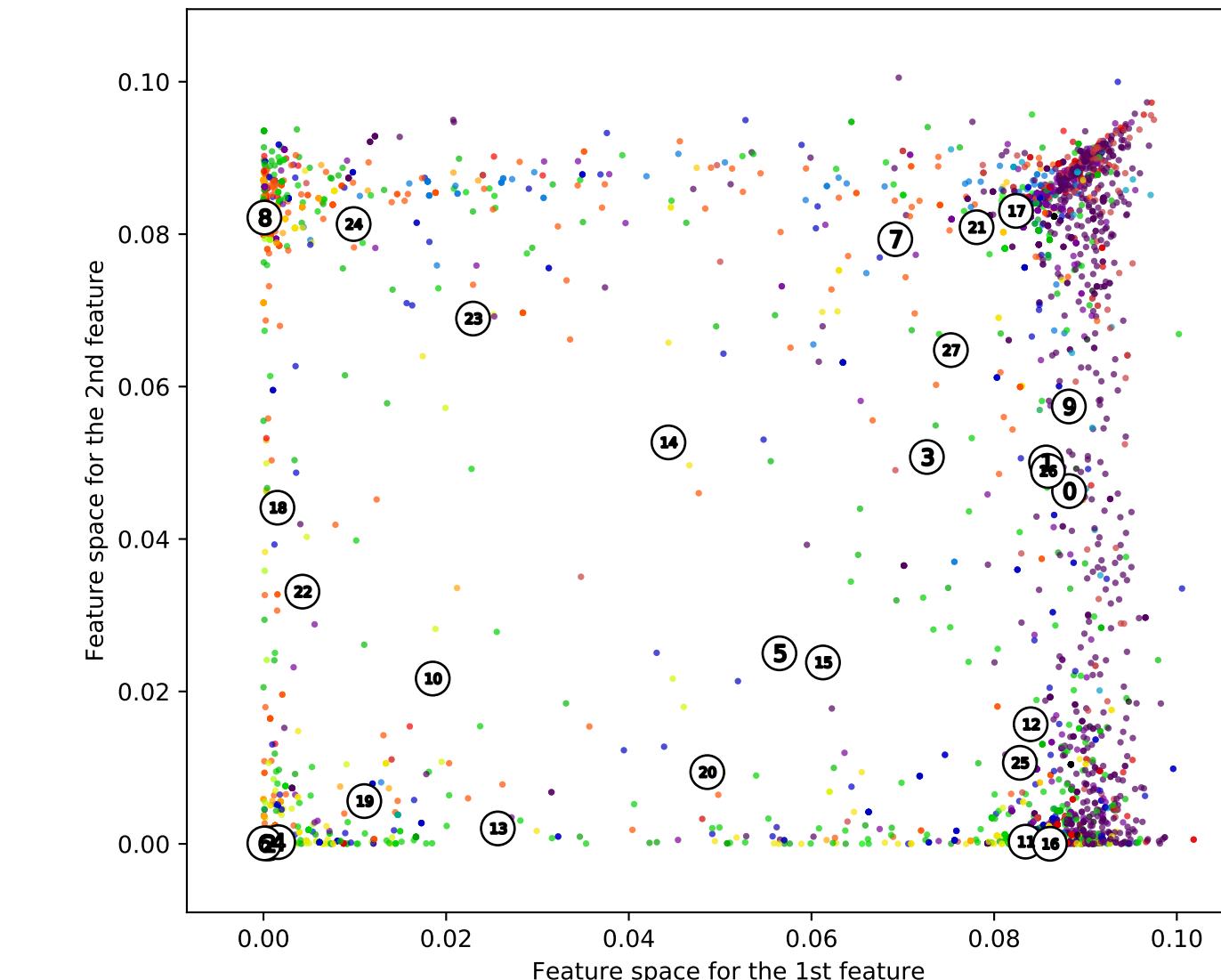


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 28 with Average Silhouette of: 0.29723265767097473

The silhouette plot for the various clusters.

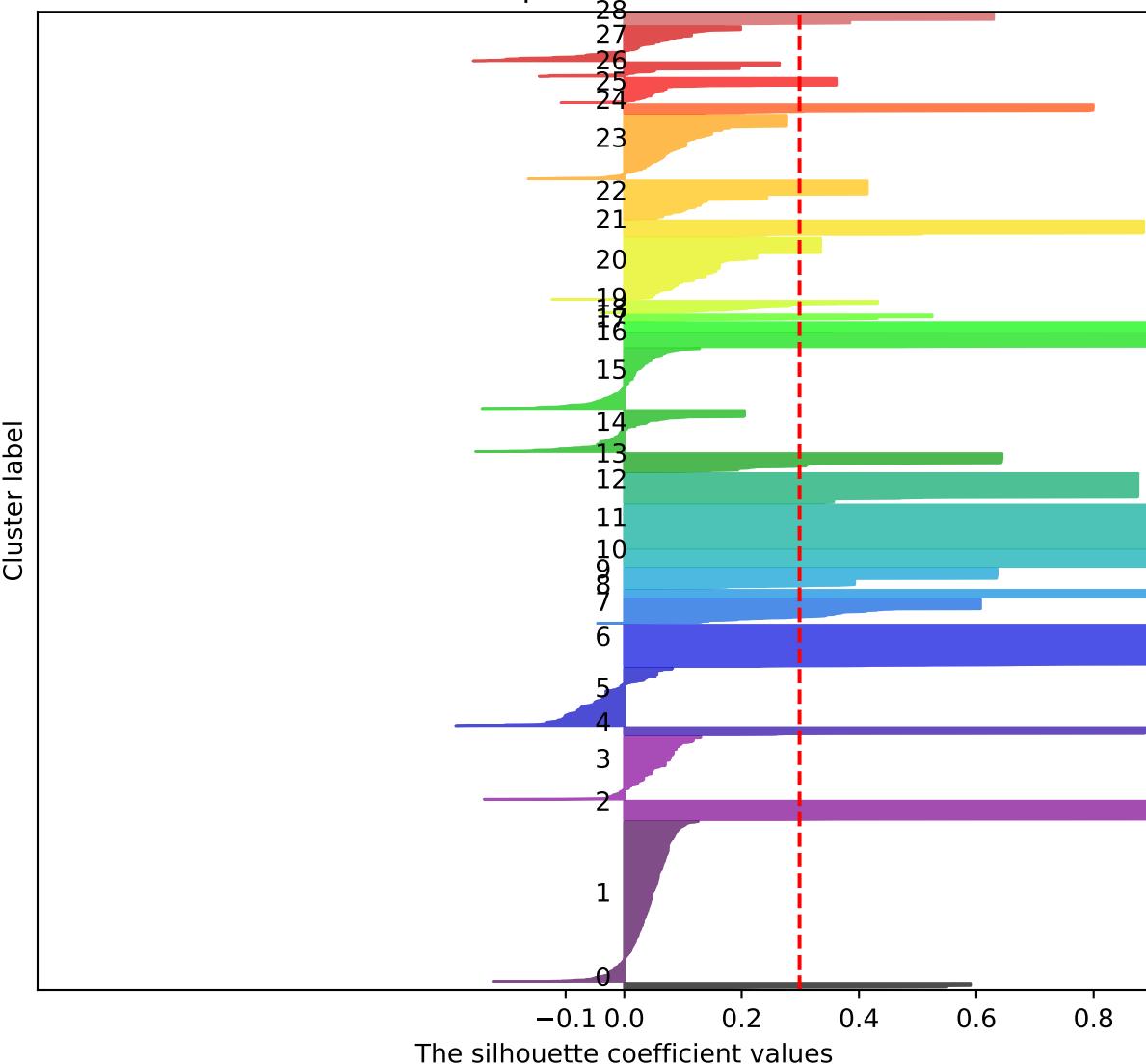


The visualization of the clustered data.

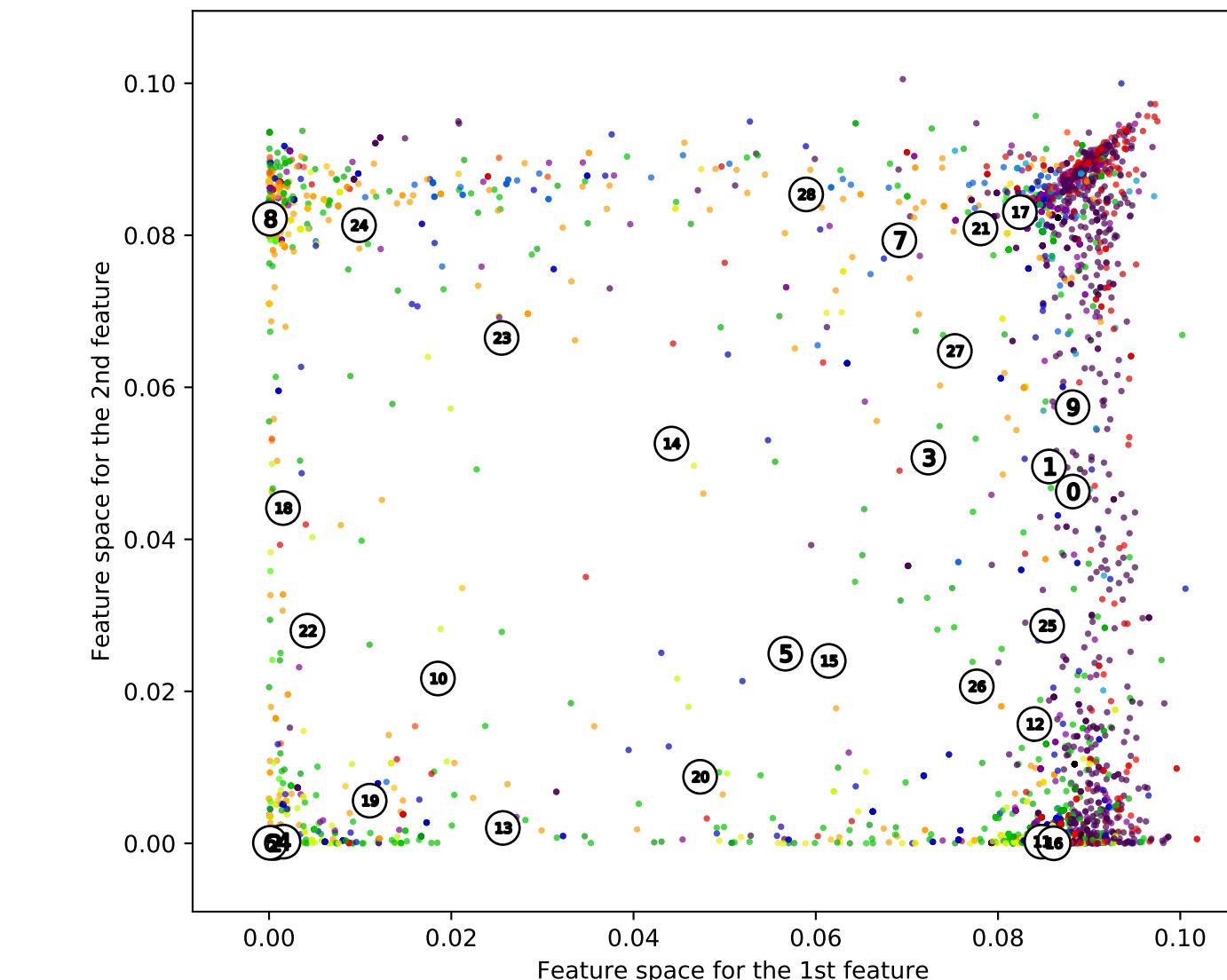


## Silhouette analysis for KMeans clustering on sample data with n\_clusters = 29 with Average Silhouette of: 0.2986884117126465

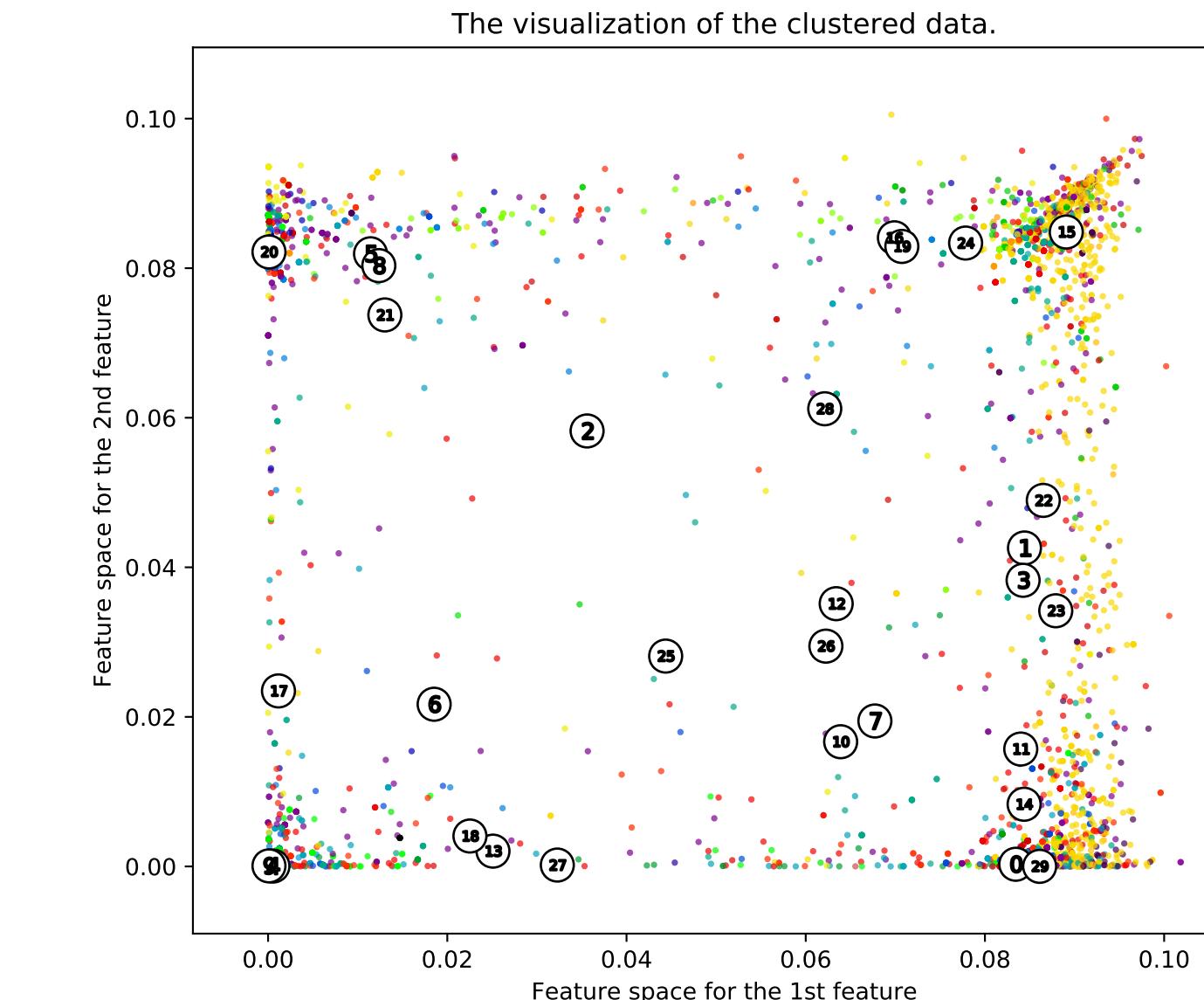
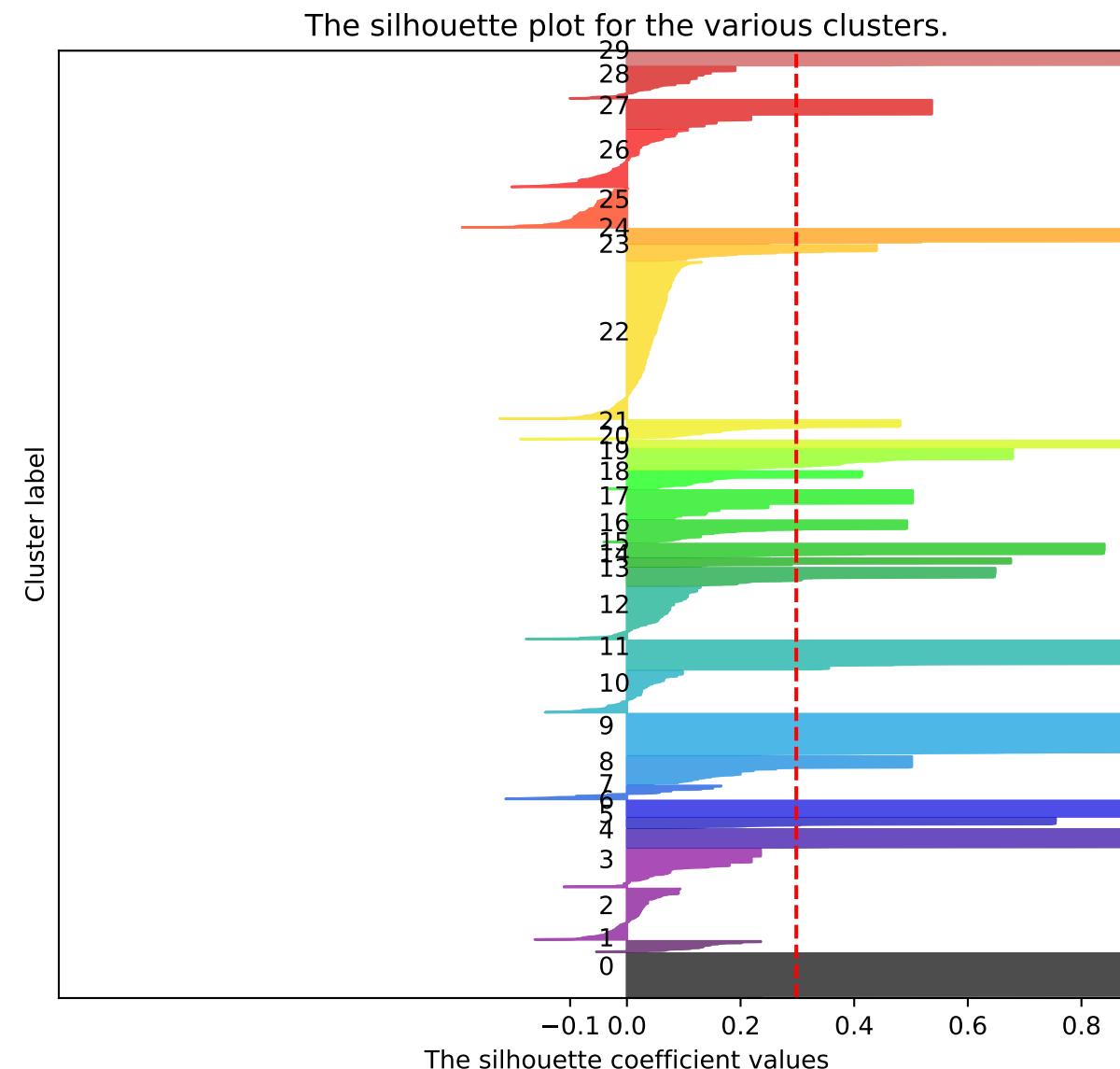
The silhouette plot for the various clusters



## The visualization of the clustered data

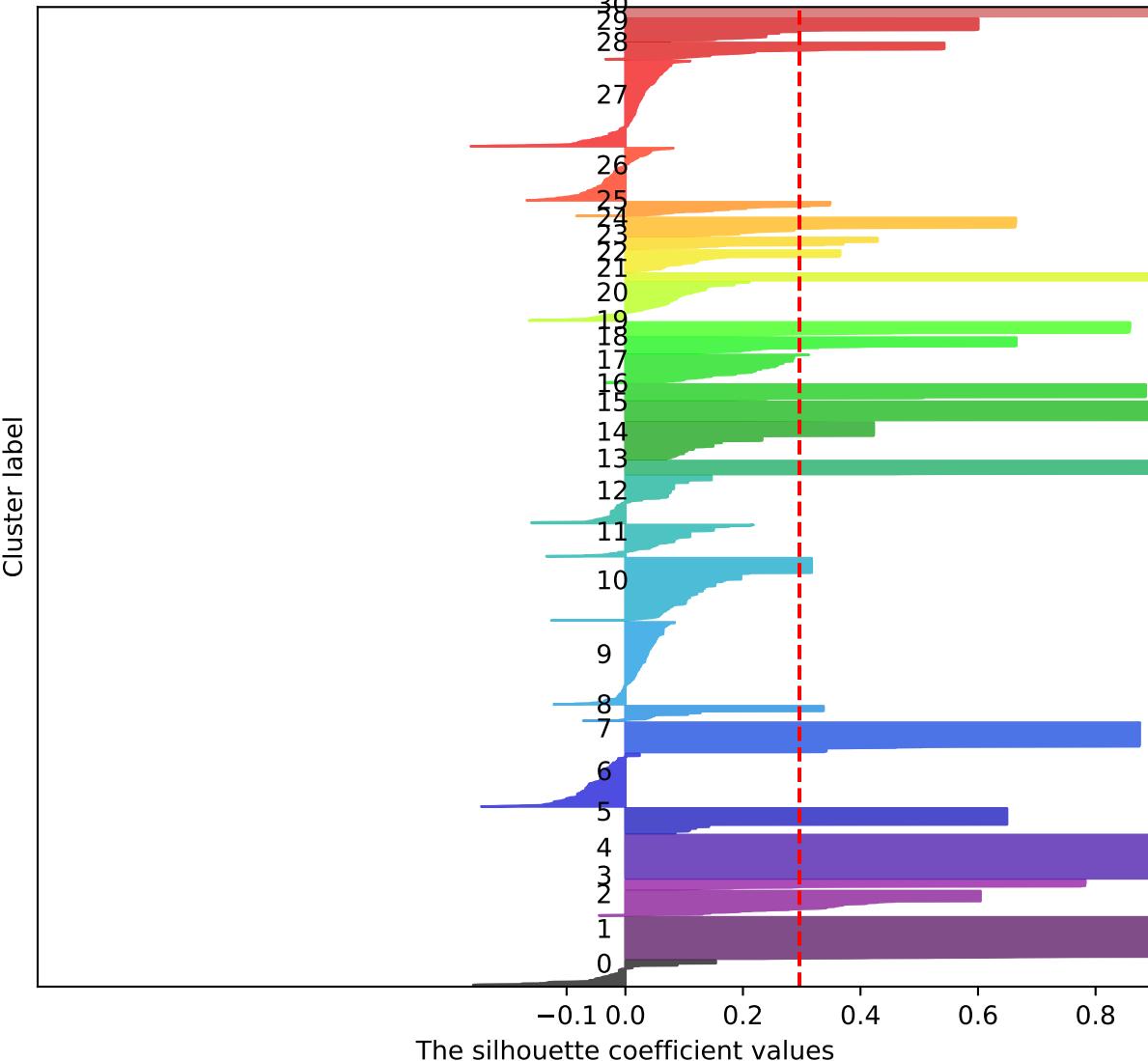


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 30 with Average Silhouette of: 0.2980409264564514

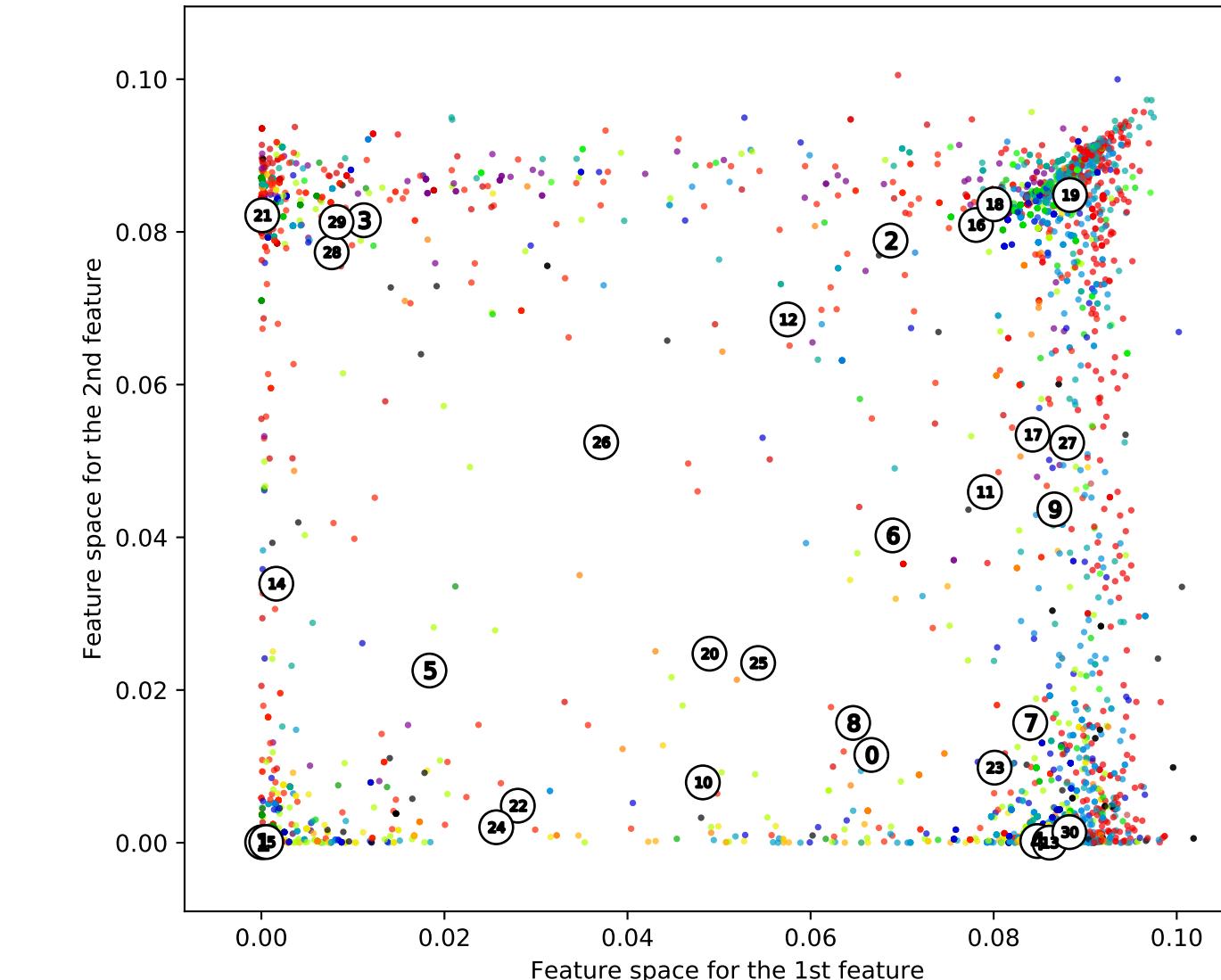


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 31 with Average Silhouette of: 0.29619115591049194**

The silhouette plot for the various clusters

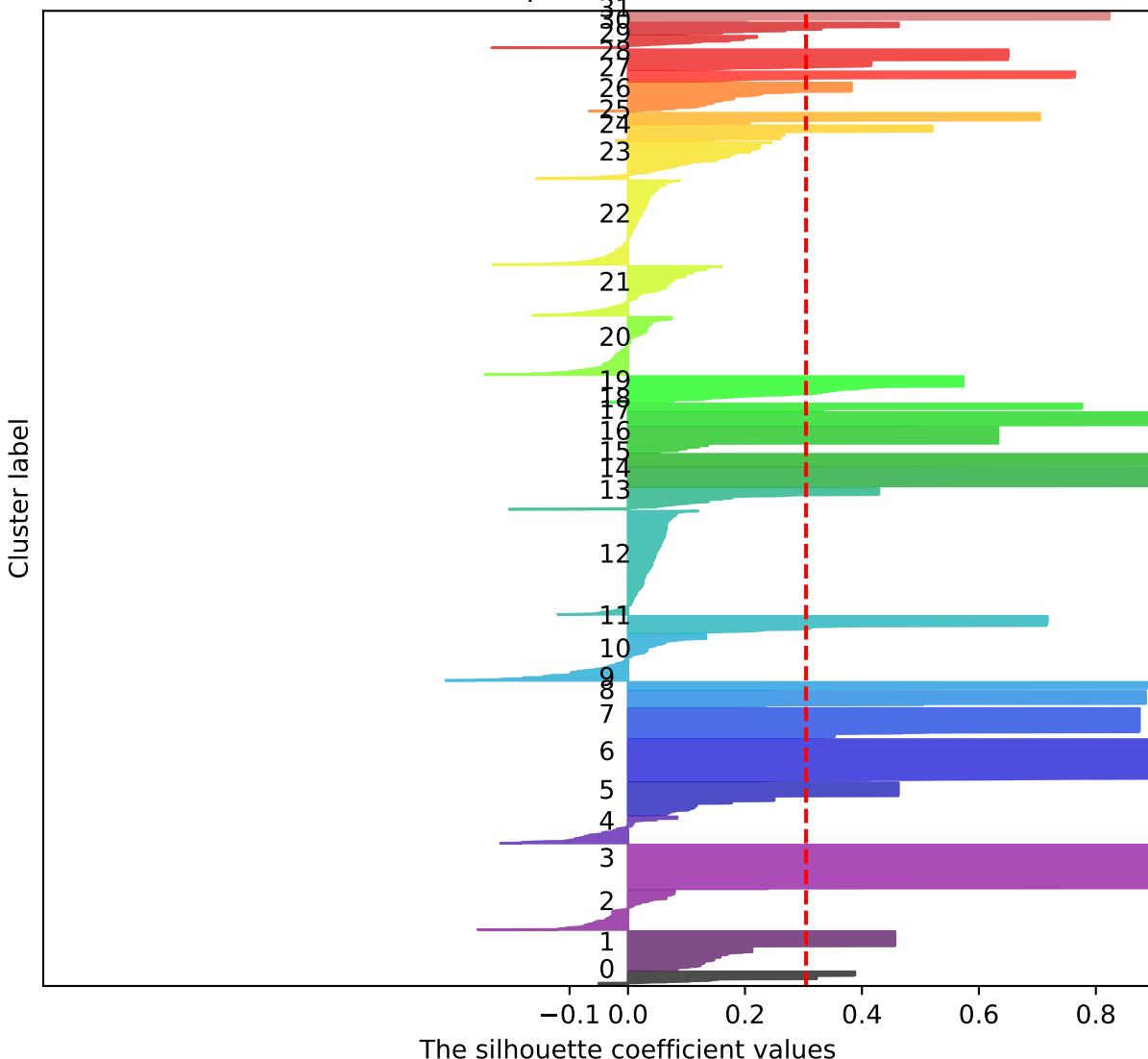


The visualization of the clustered data

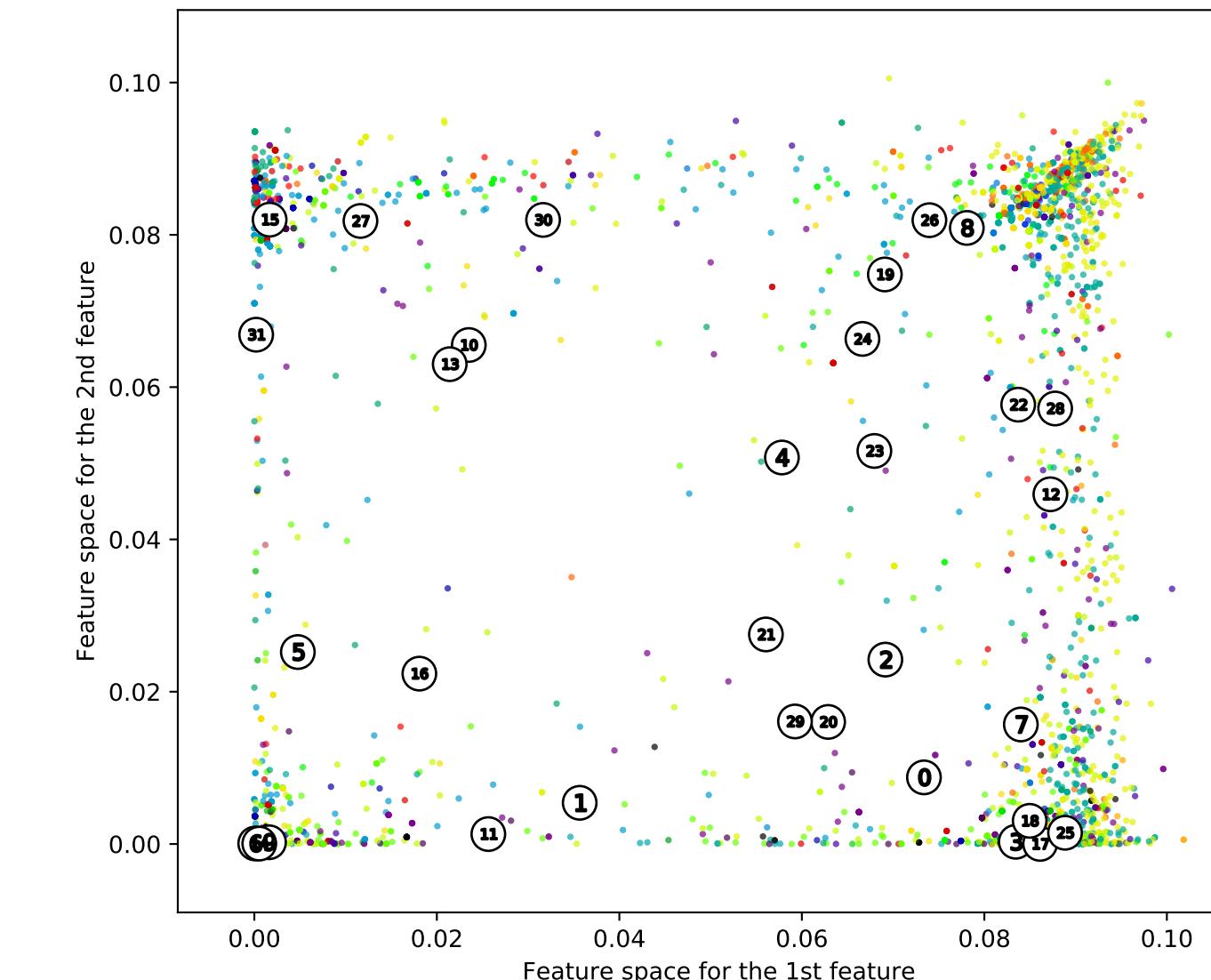


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 32 with Average Silhouette of: 0.3044251501560211

The silhouette plot for the various clusters.

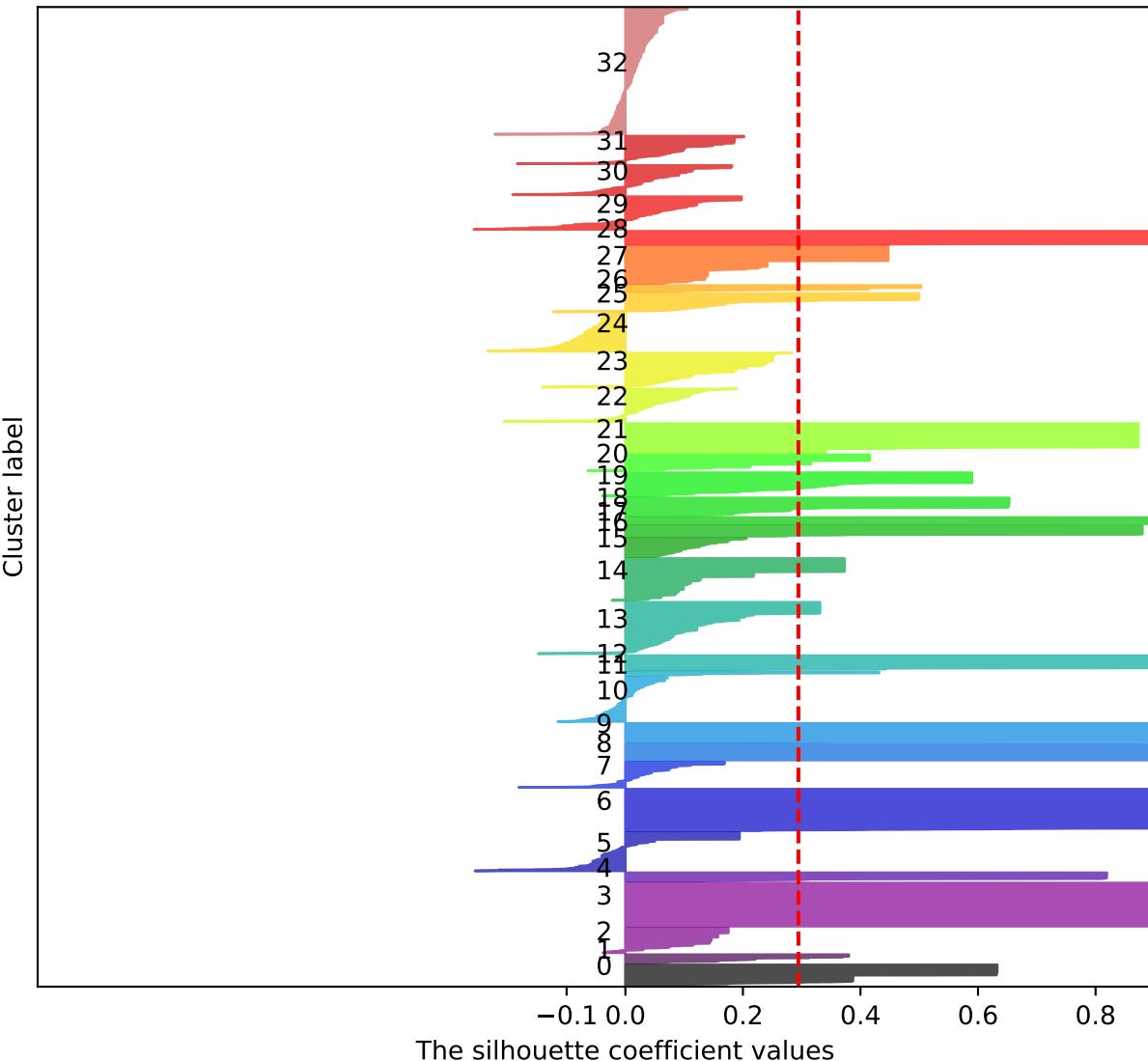


The visualization of the clustered data.

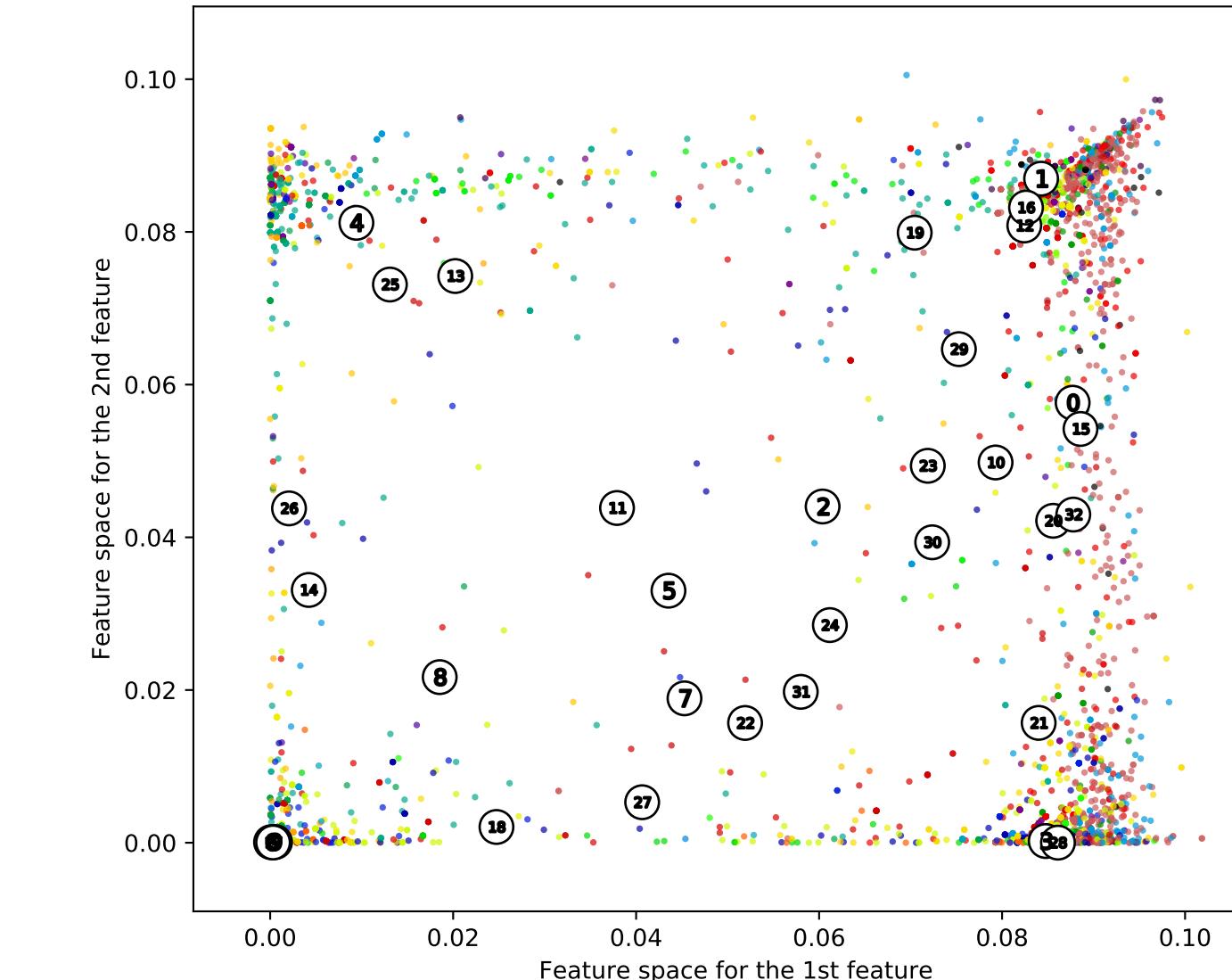


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 33 with Average Silhouette of: 0.2944165766239166**

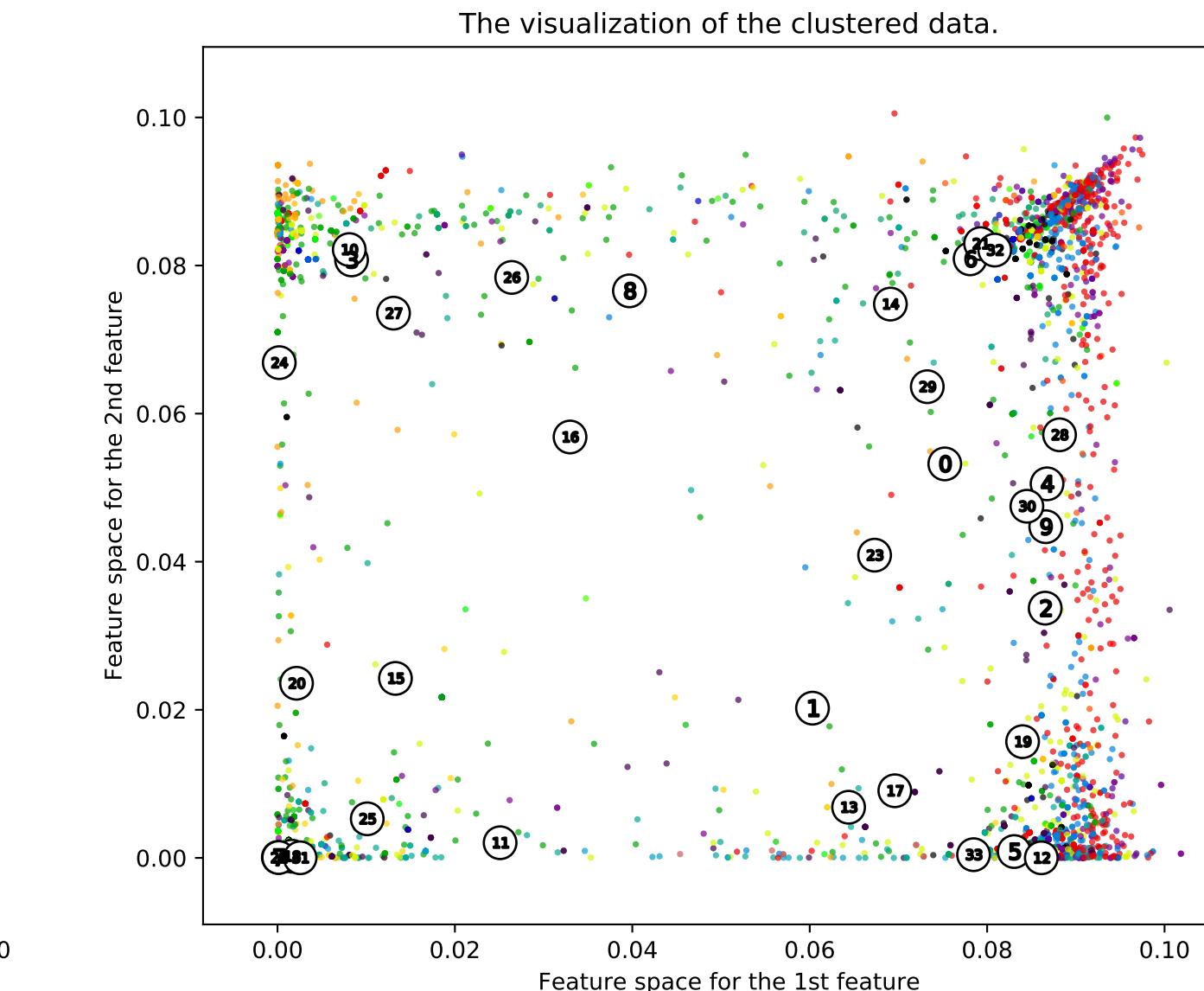
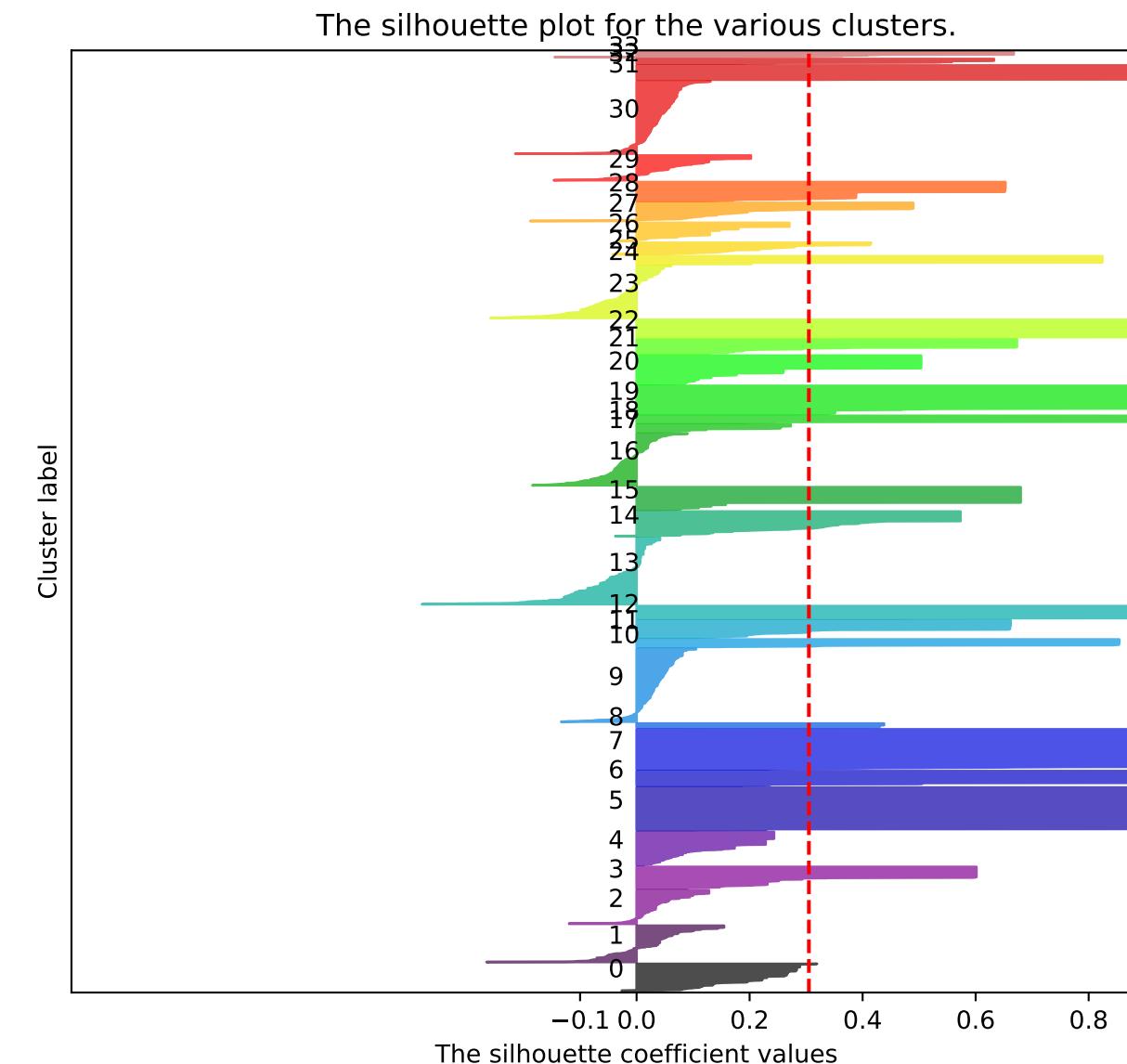
The silhouette plot for the various clusters



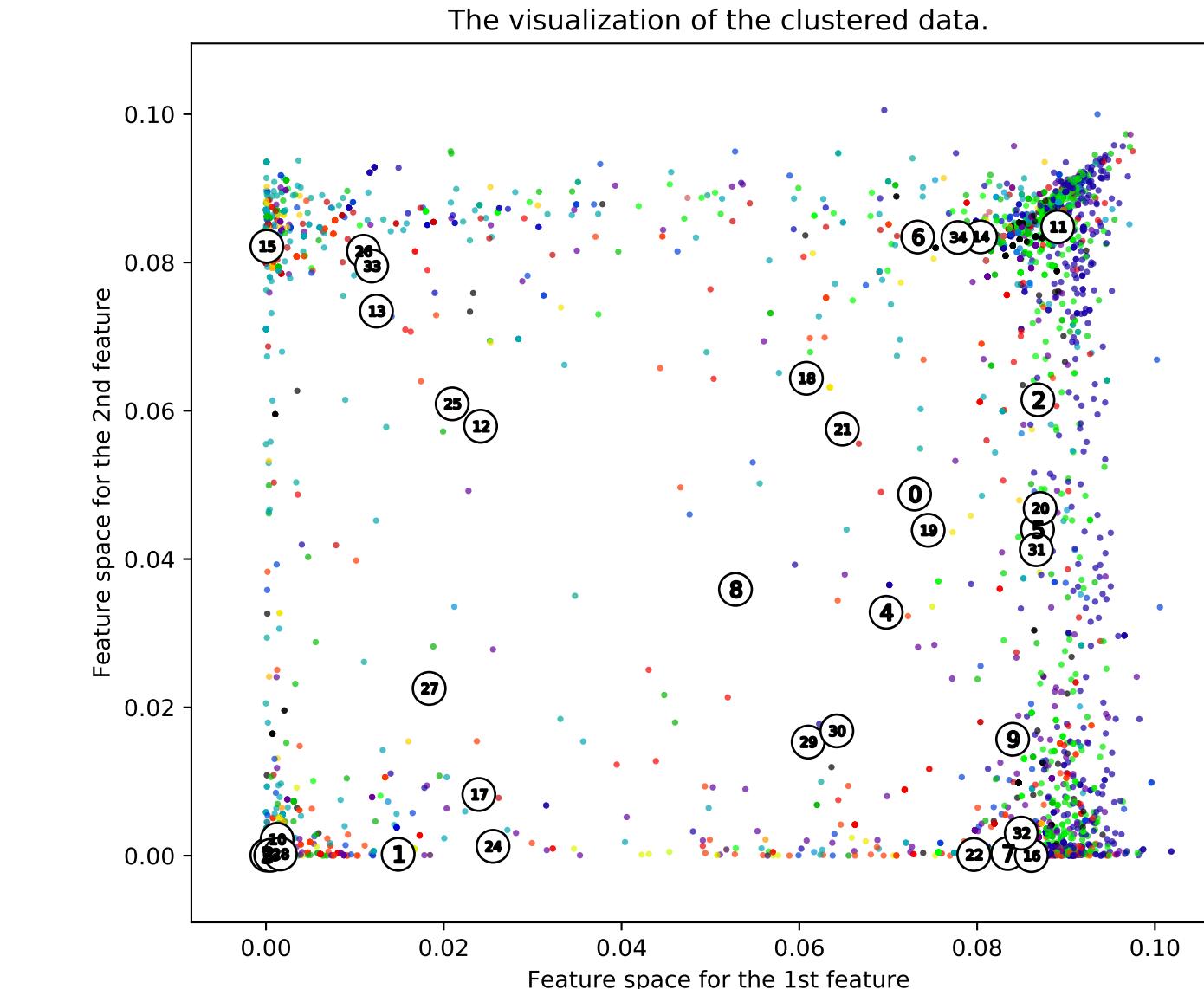
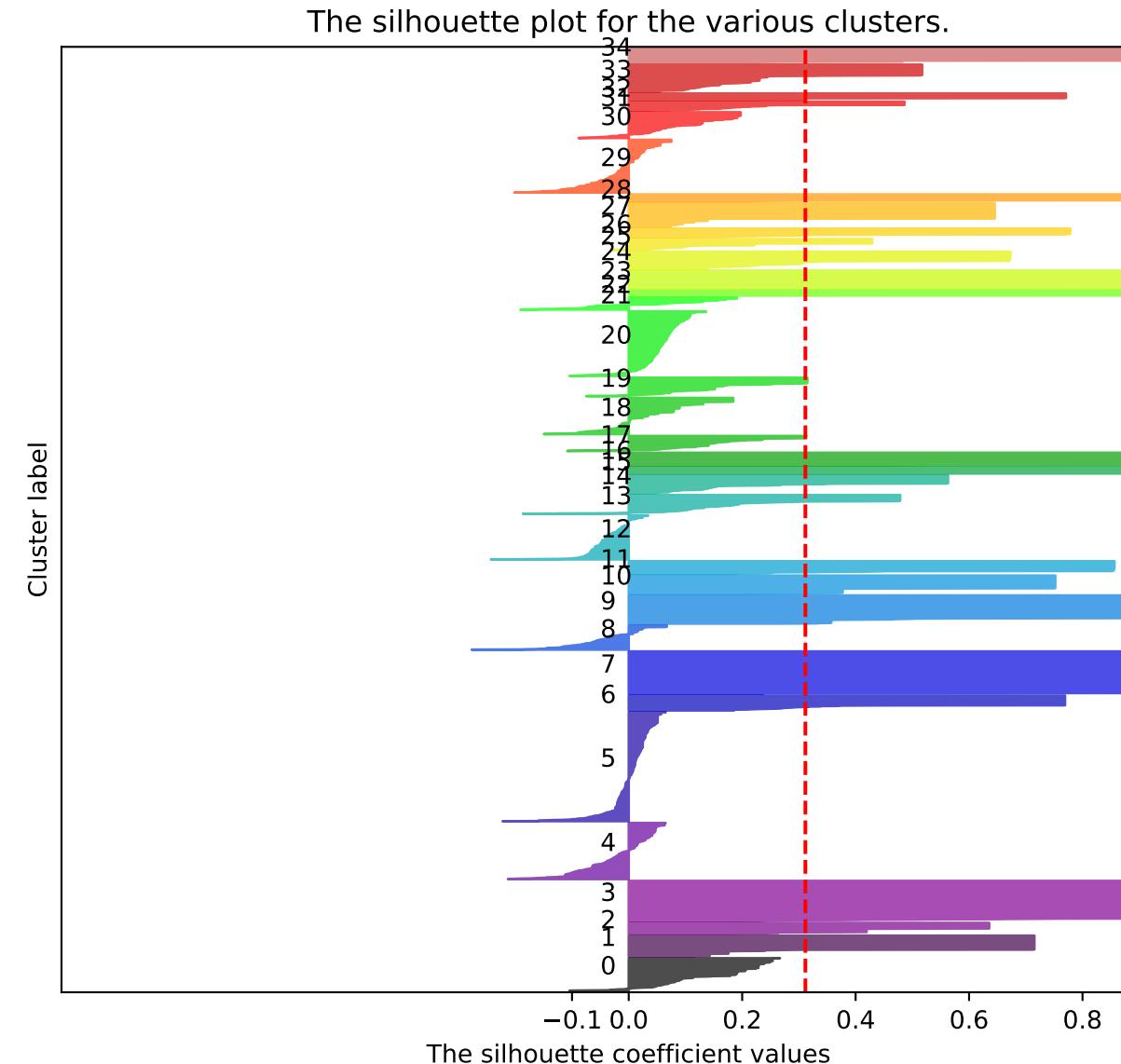
## The visualization of the clustered data



# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 34 with Average Silhouette of: 0.30487295985221863

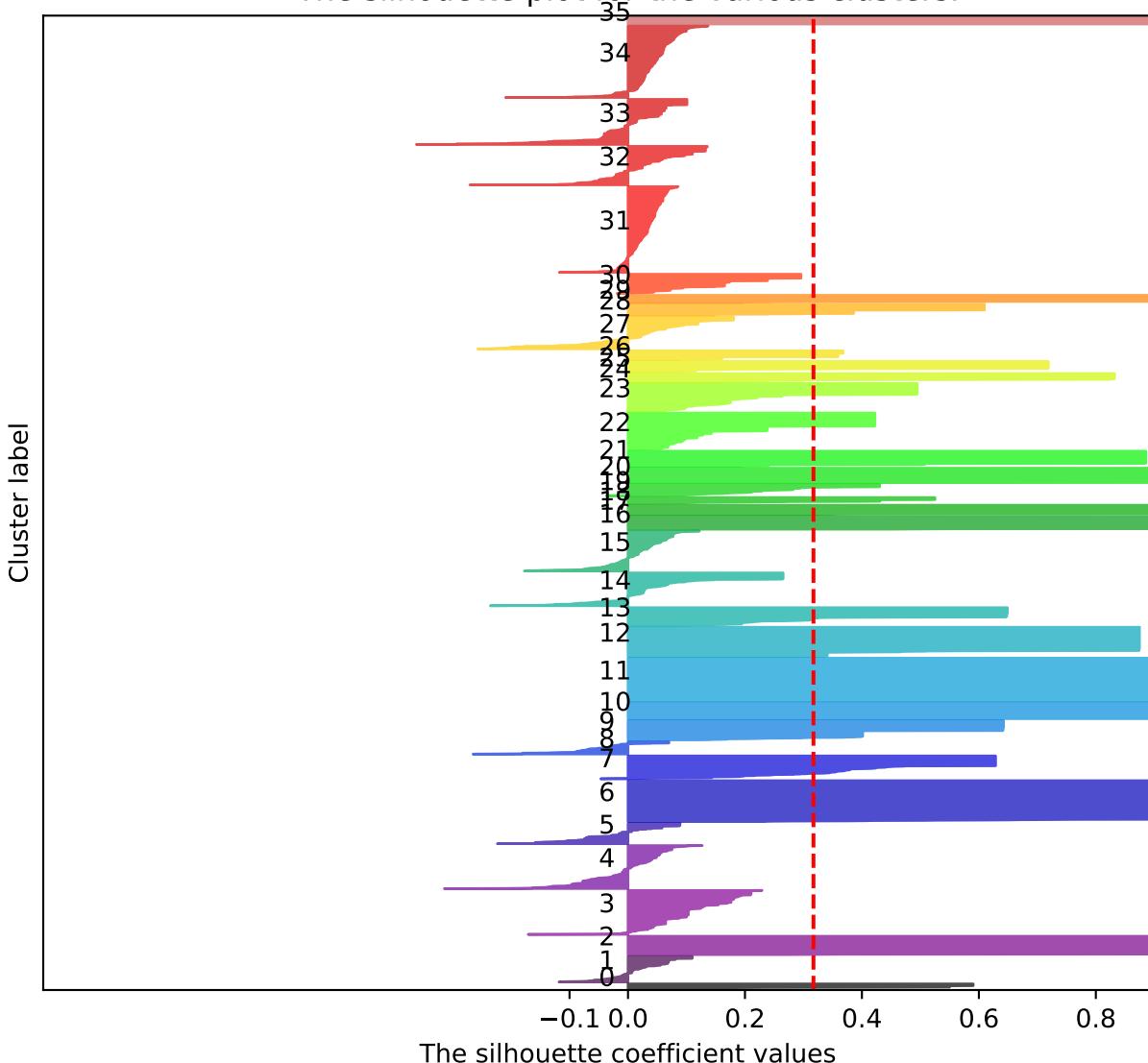


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 35 with Average Silhouette of: 0.31144431233406067

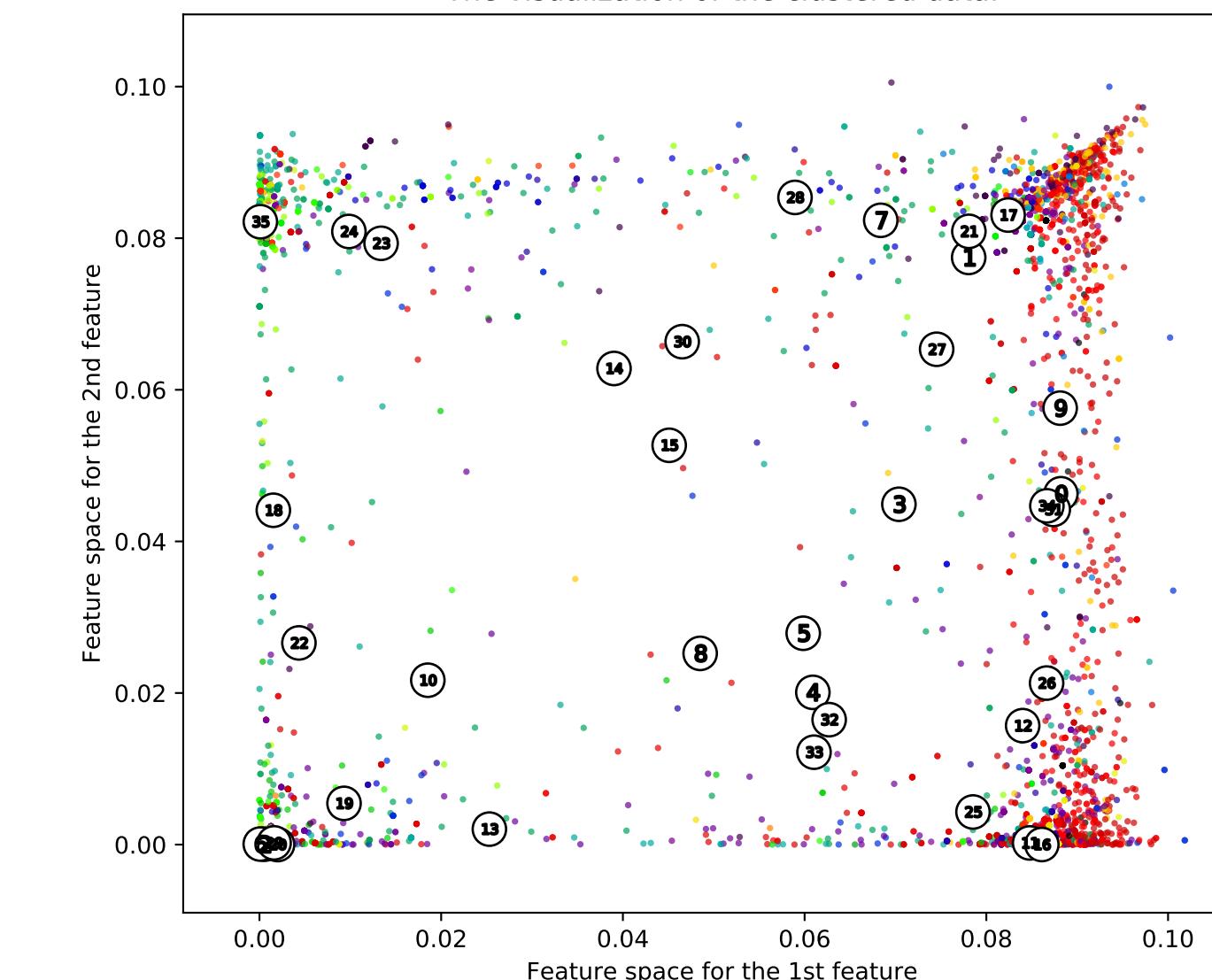


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 36 with Average Silhouette of: 0.3171491324901581

The silhouette plot for the various clusters.

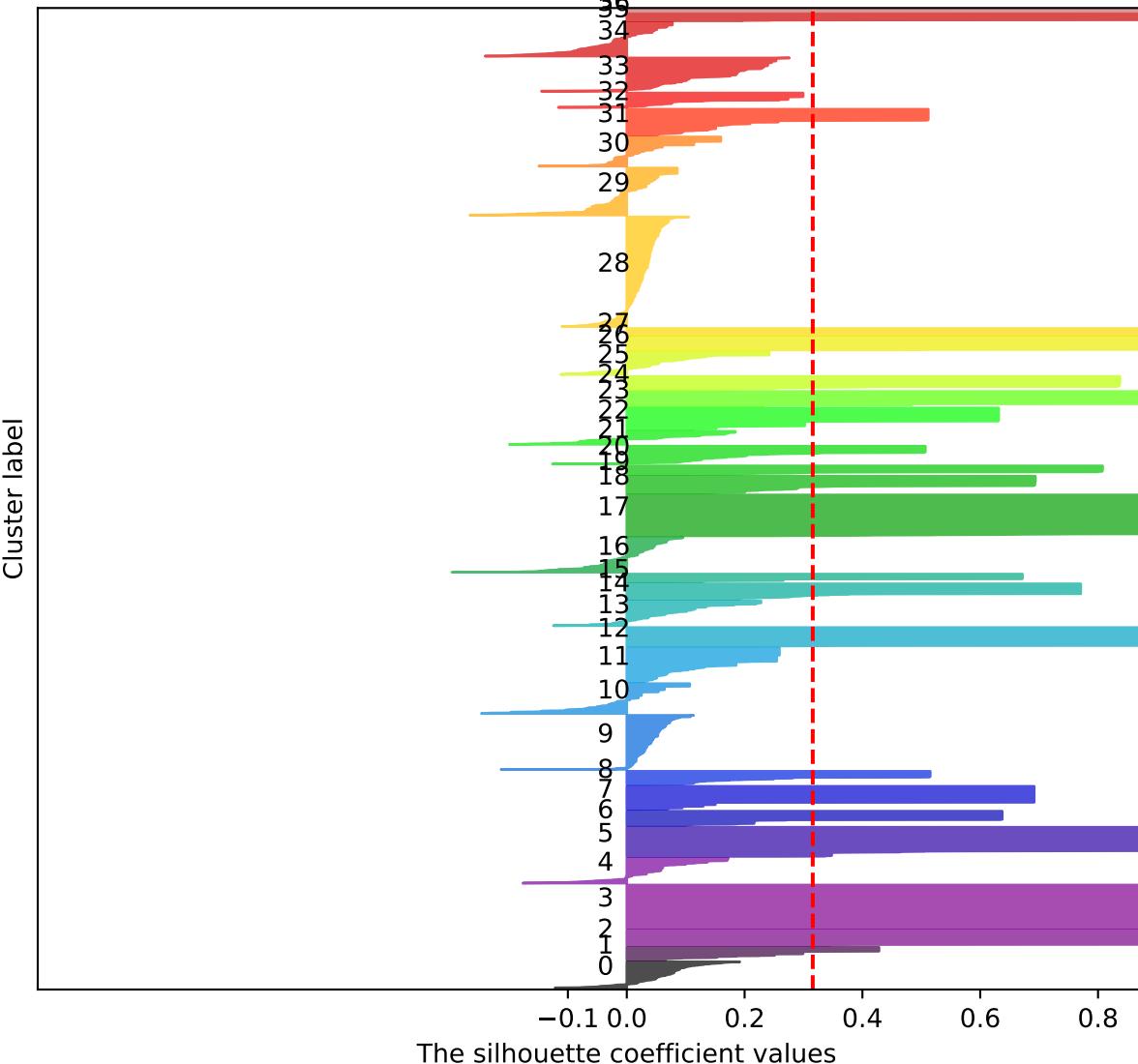


The visualization of the clustered data.

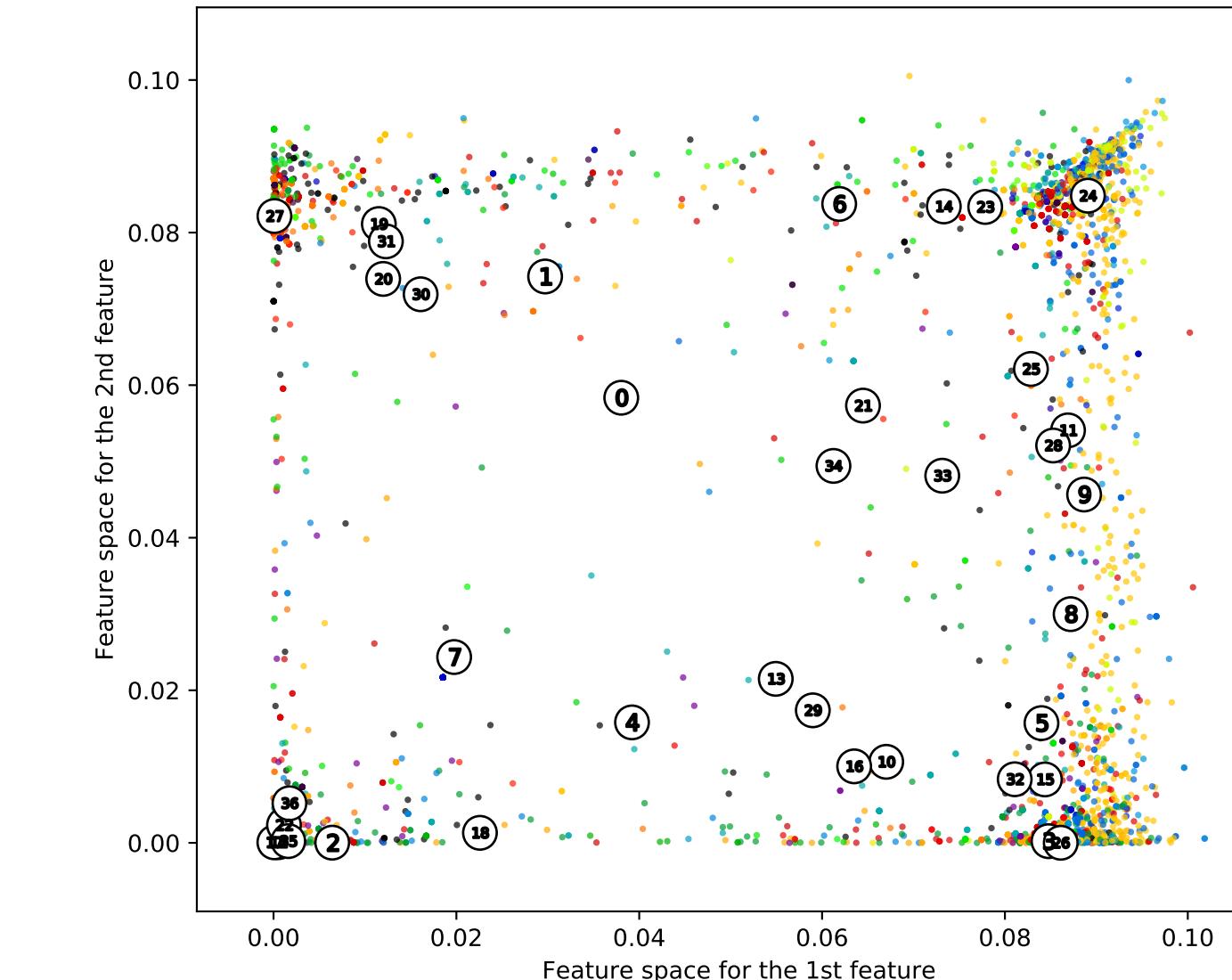


## Silhouette analysis for KMeans clustering on sample data with n\_clusters = 37 with Average Silhouette of: 0.31568050384521484

The silhouette plot for the various clusters

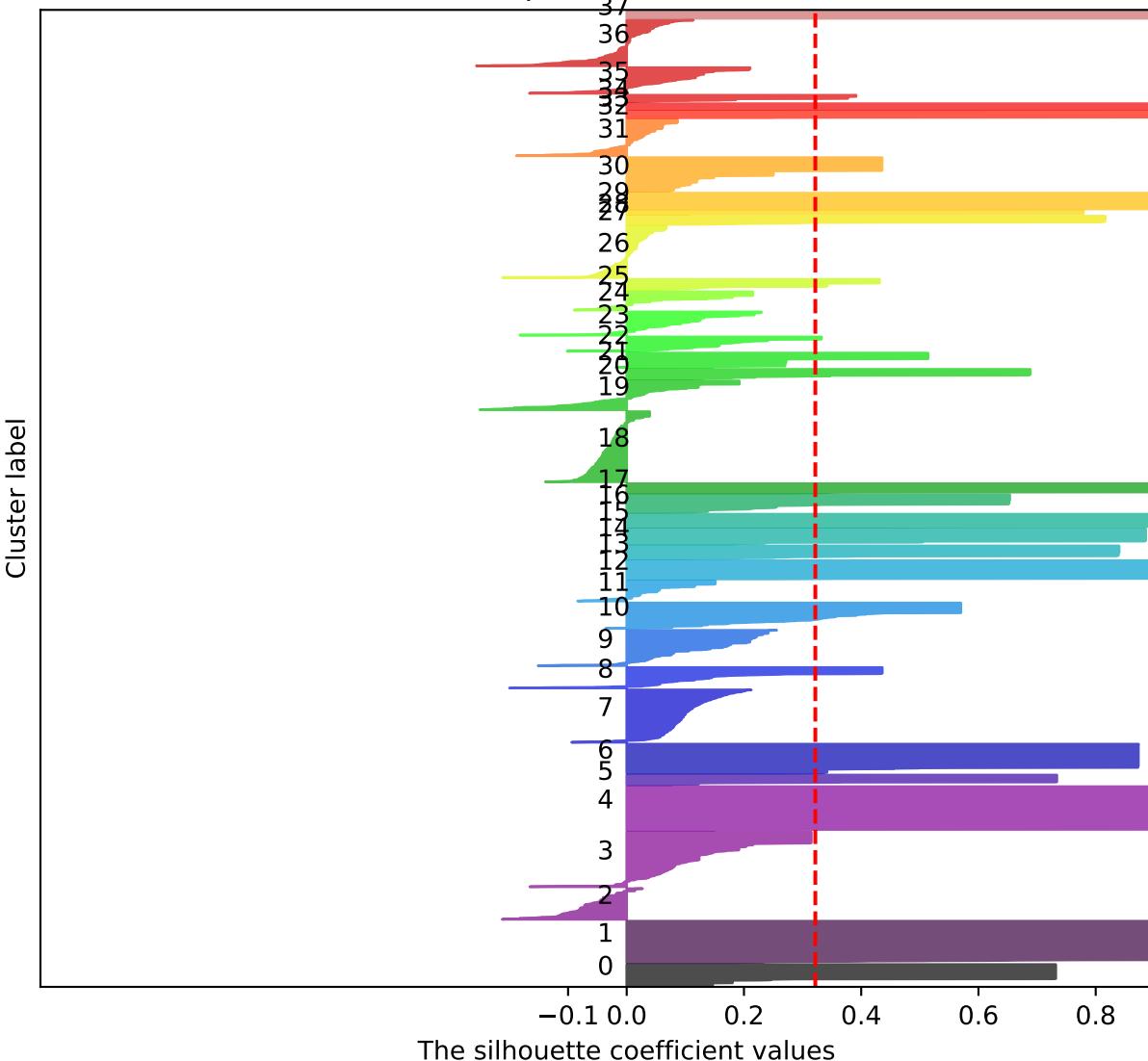


## The visualization of the clustered data

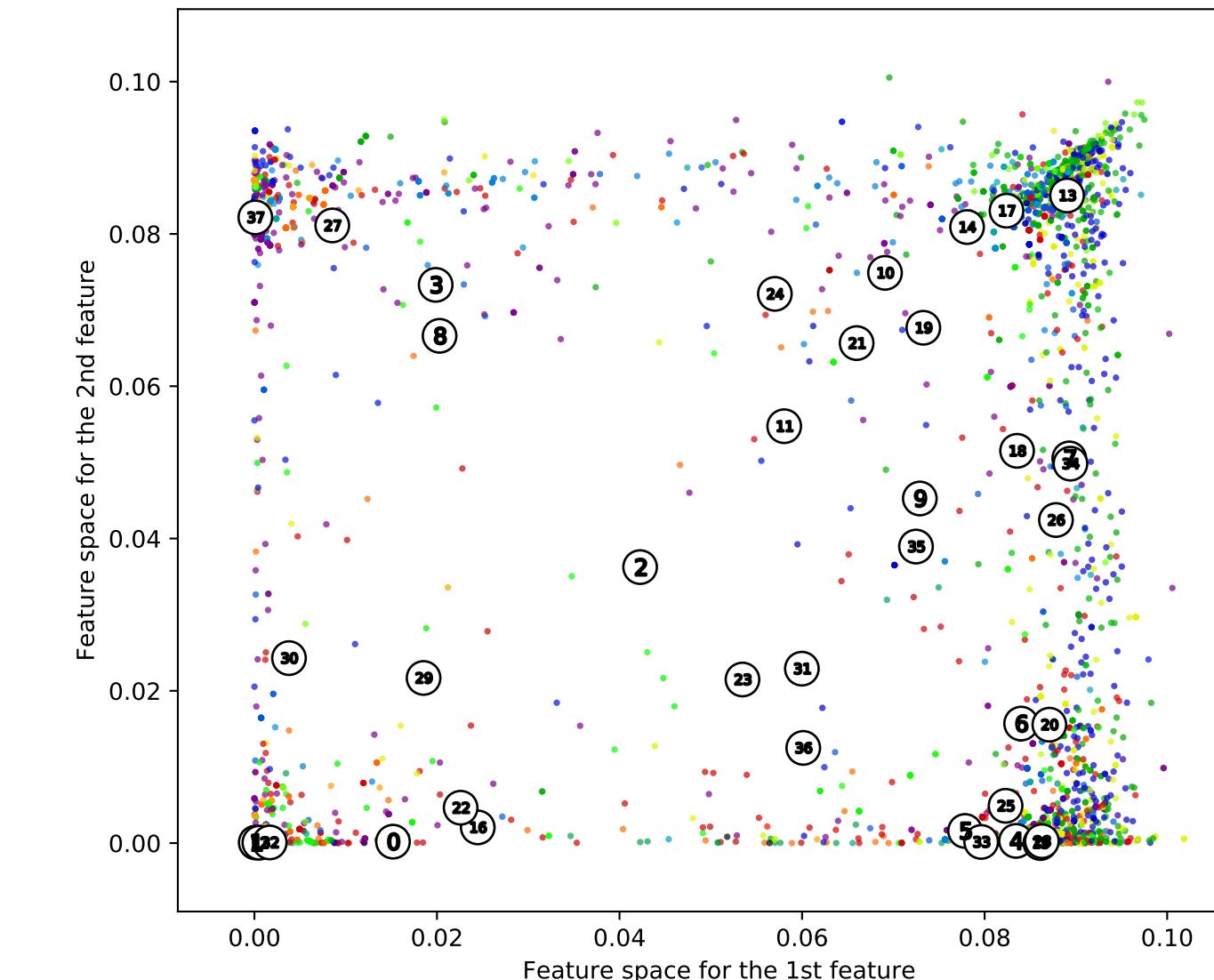


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 38 with Average Silhouette of: 0.32175639271736145

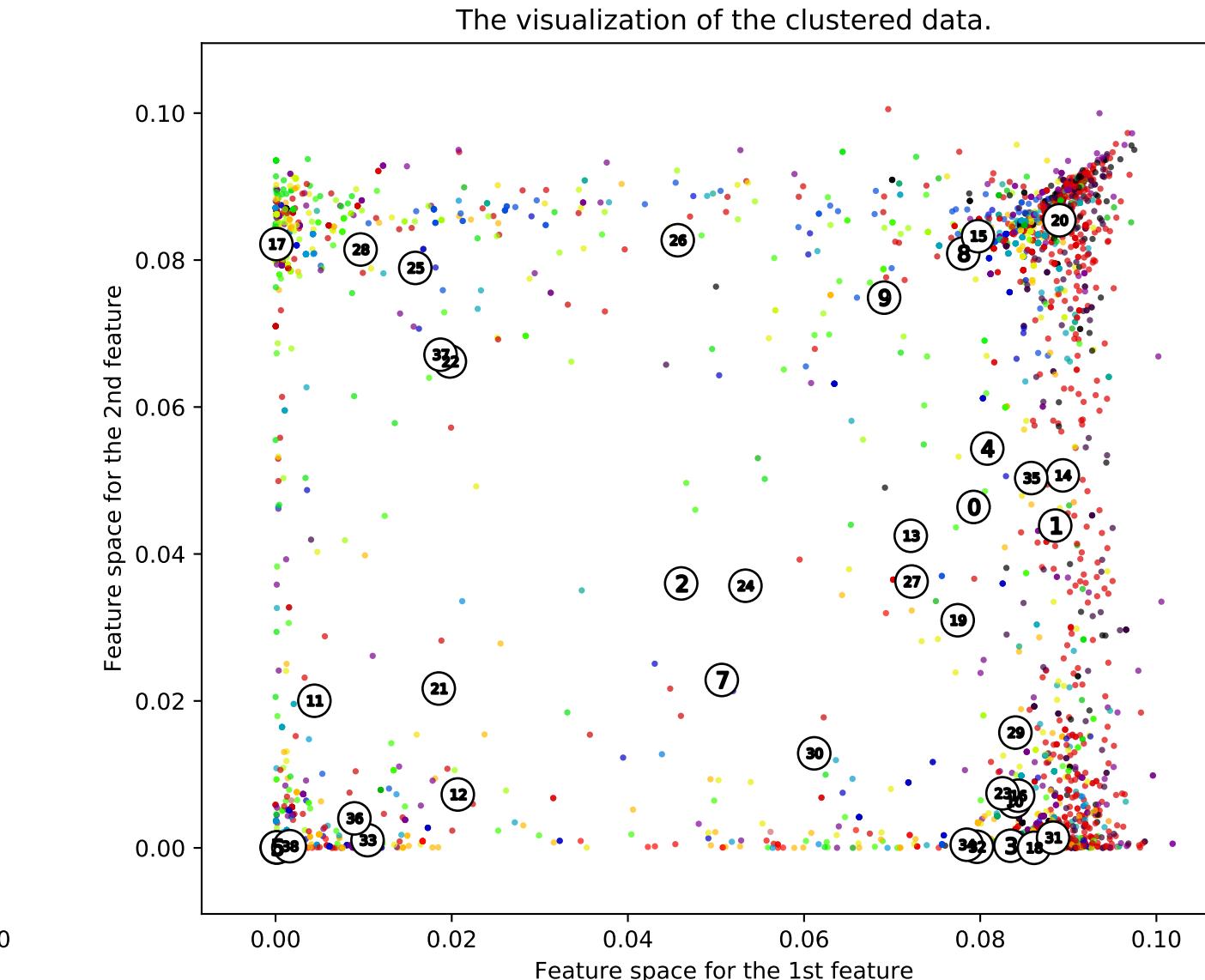
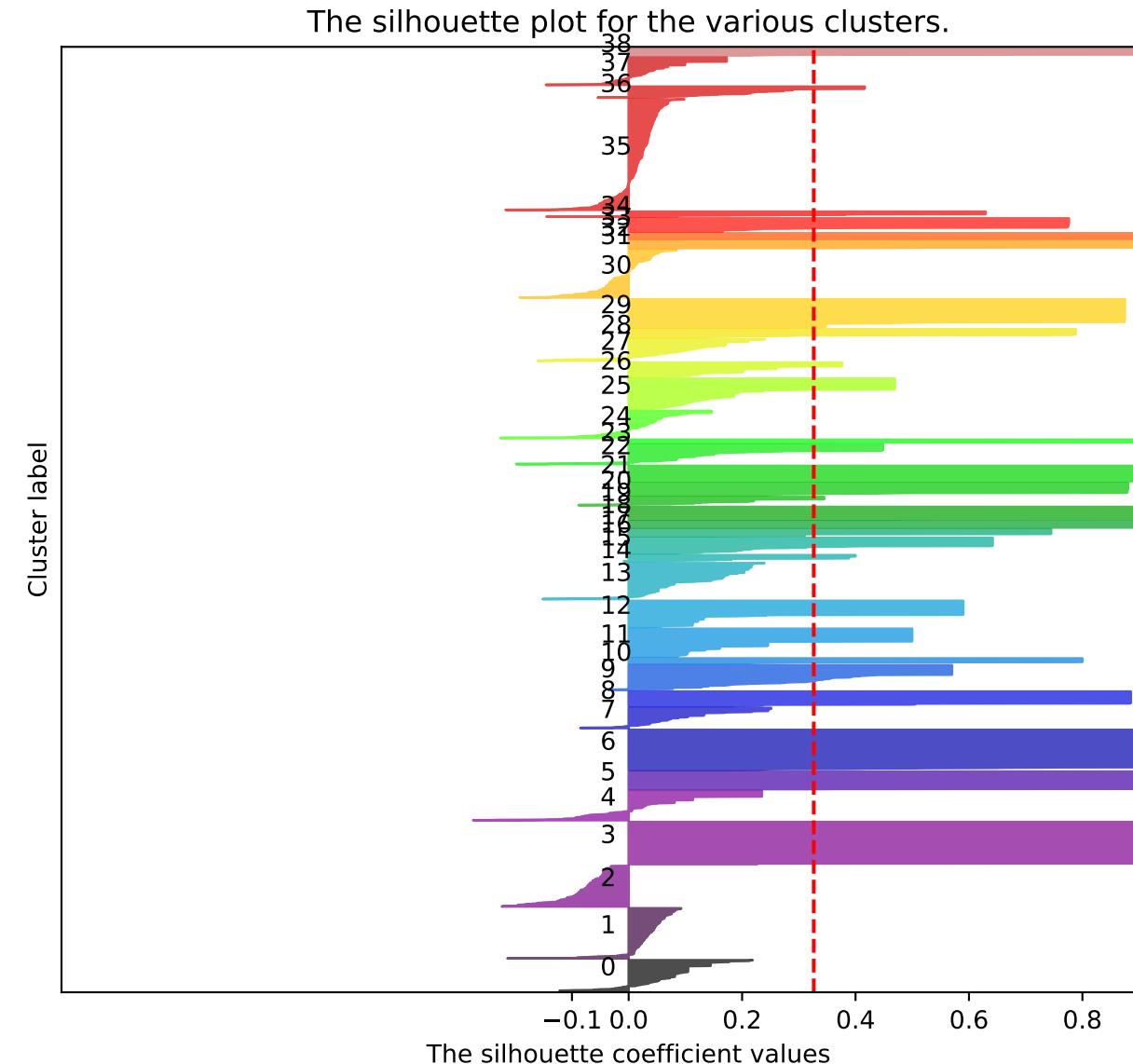
The silhouette plot for the various clusters.



The visualization of the clustered data.

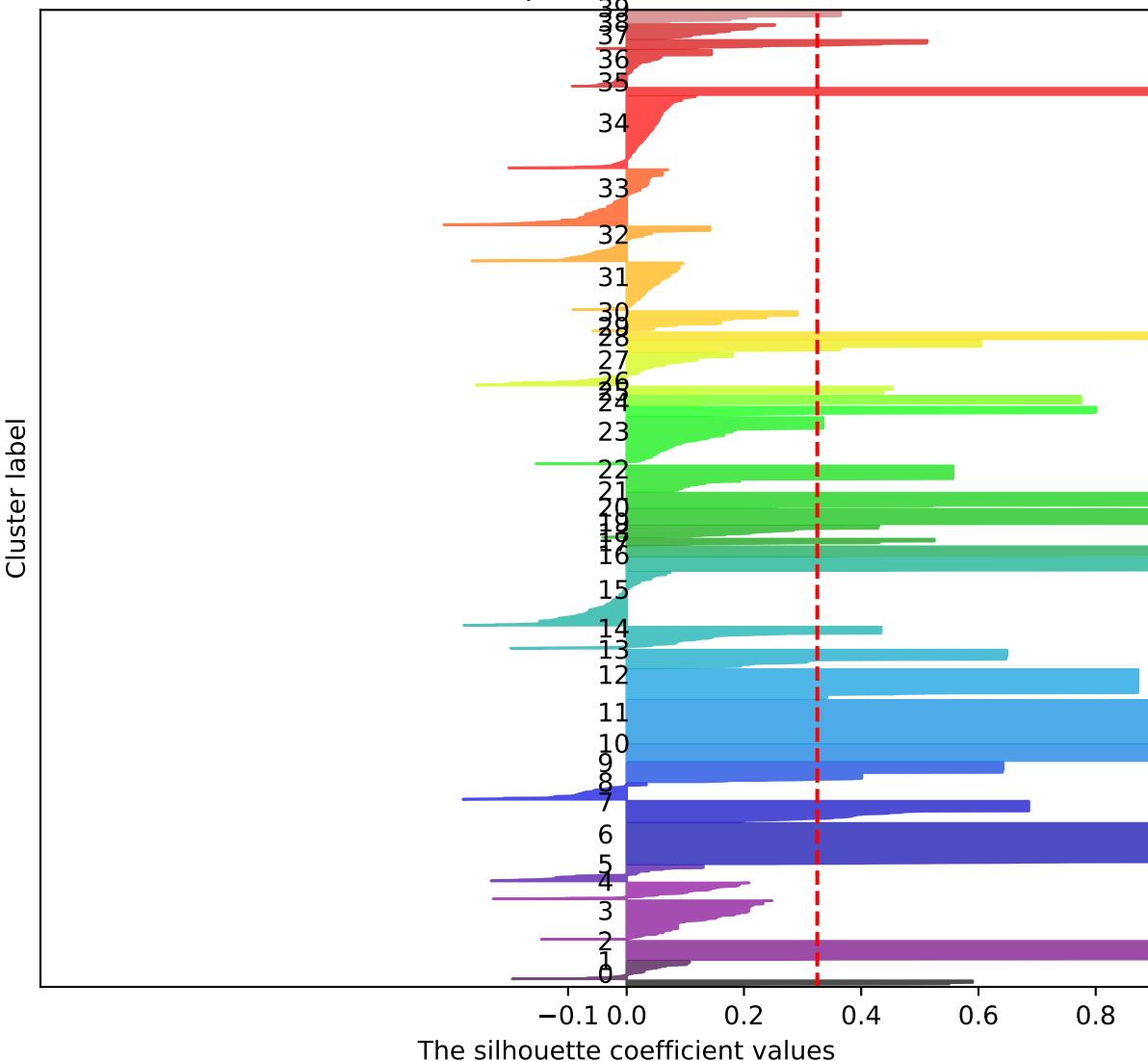


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 39 with Average Silhouette of: 0.32635170221328735

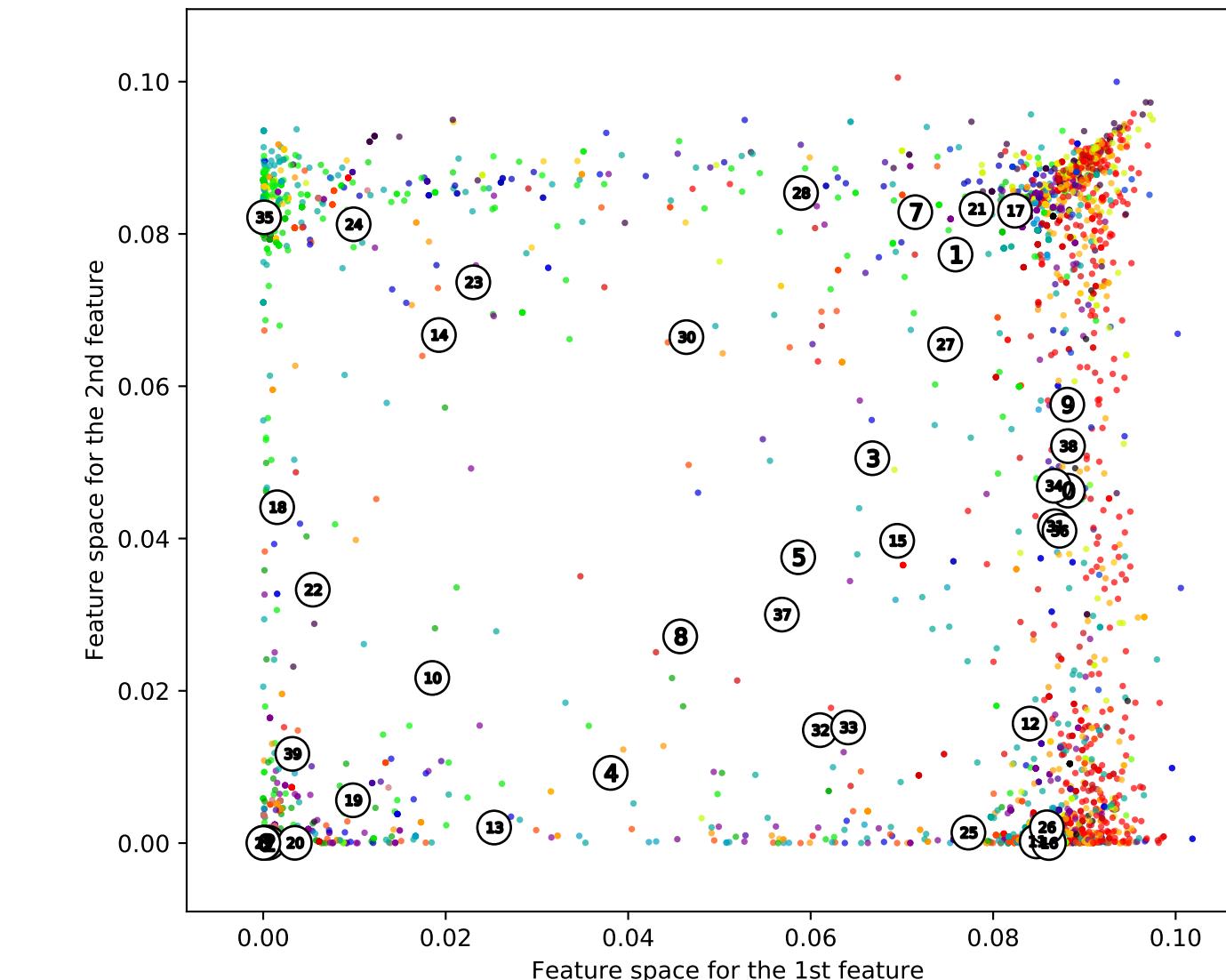


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 40 with Average Silhouette of: 0.32512351870536804

The silhouette plot for the various clusters.

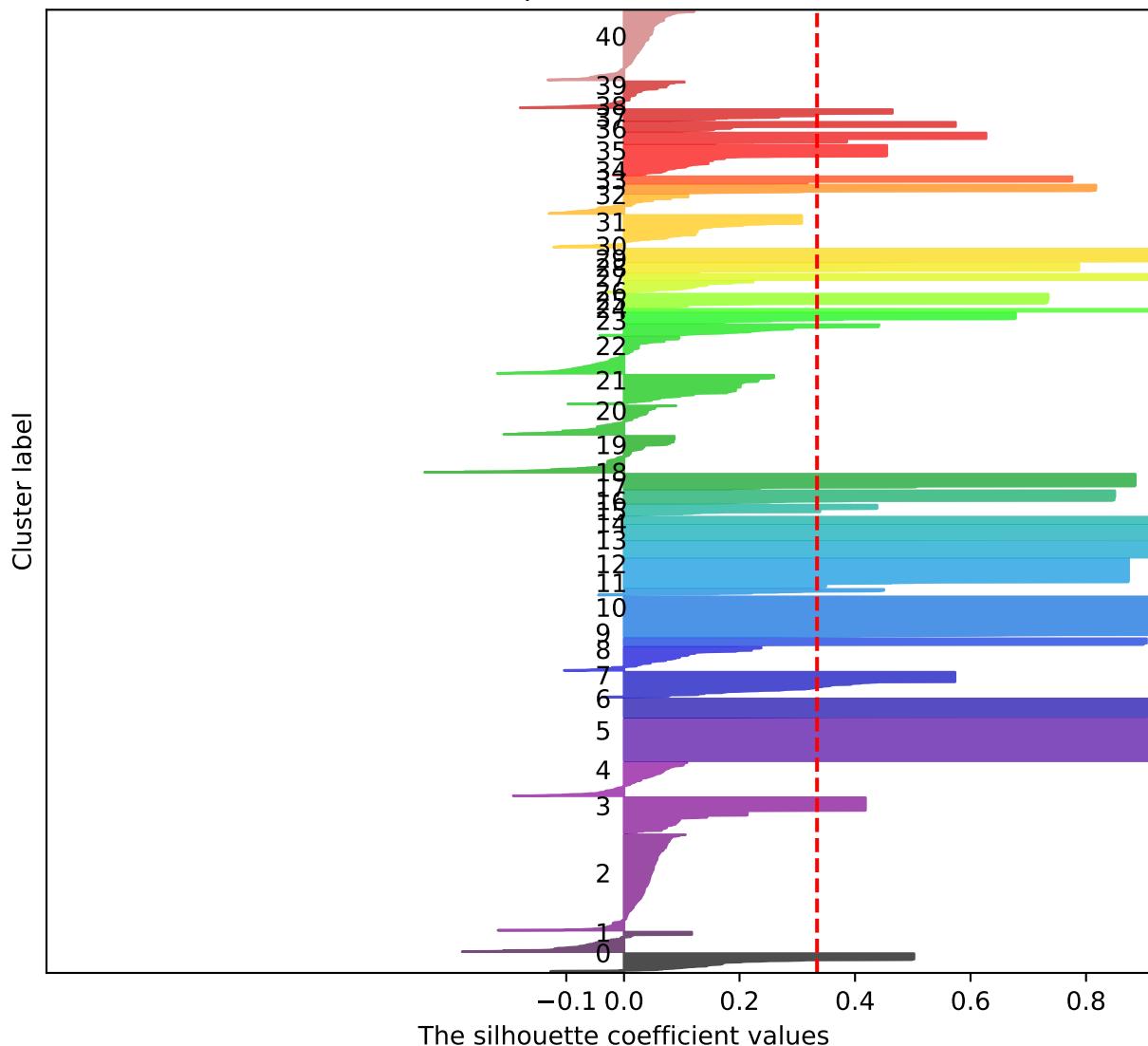


The visualization of the clustered data.

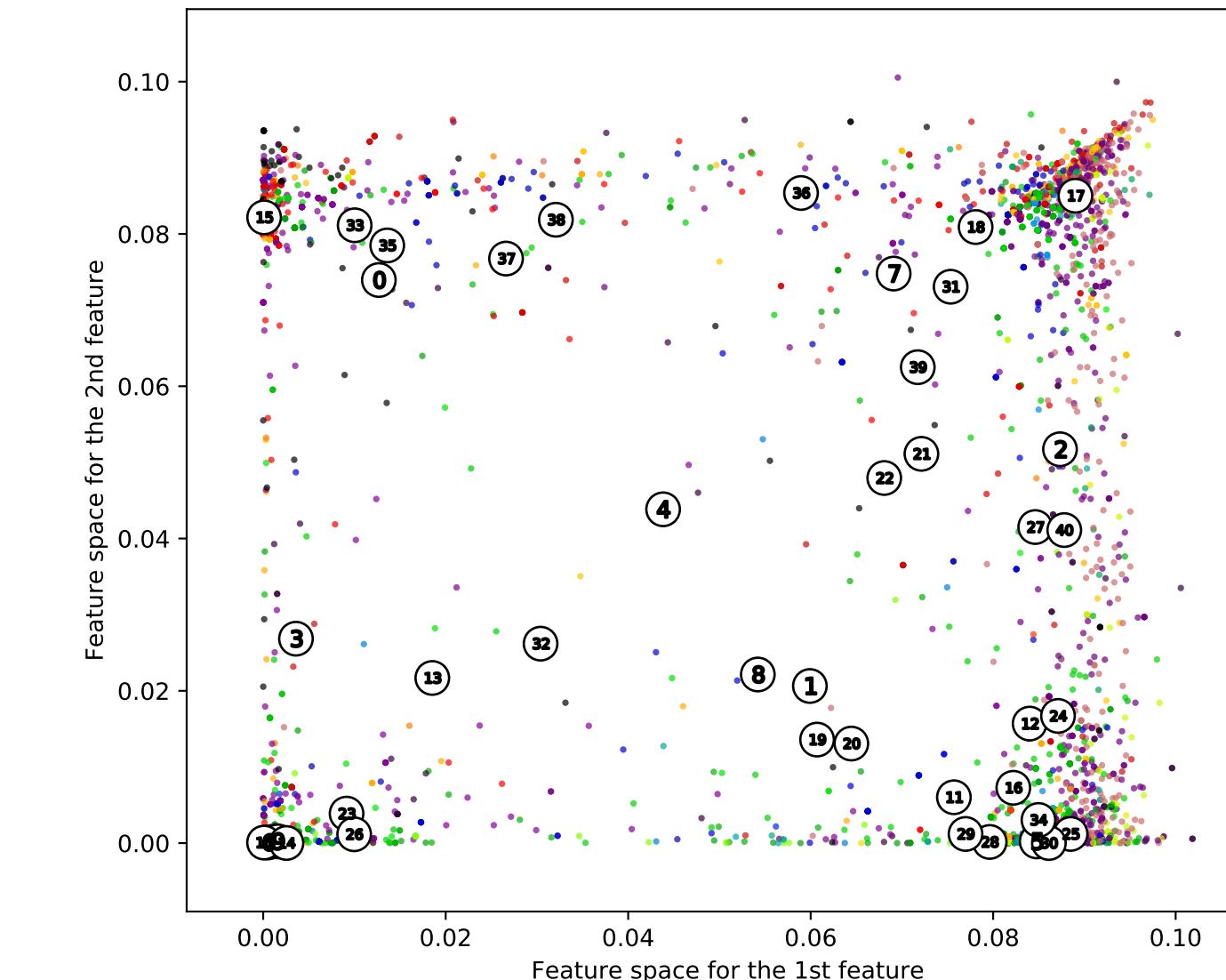


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 41 with Average Silhouette of: 0.33421242237091064

The silhouette plot for the various clusters.

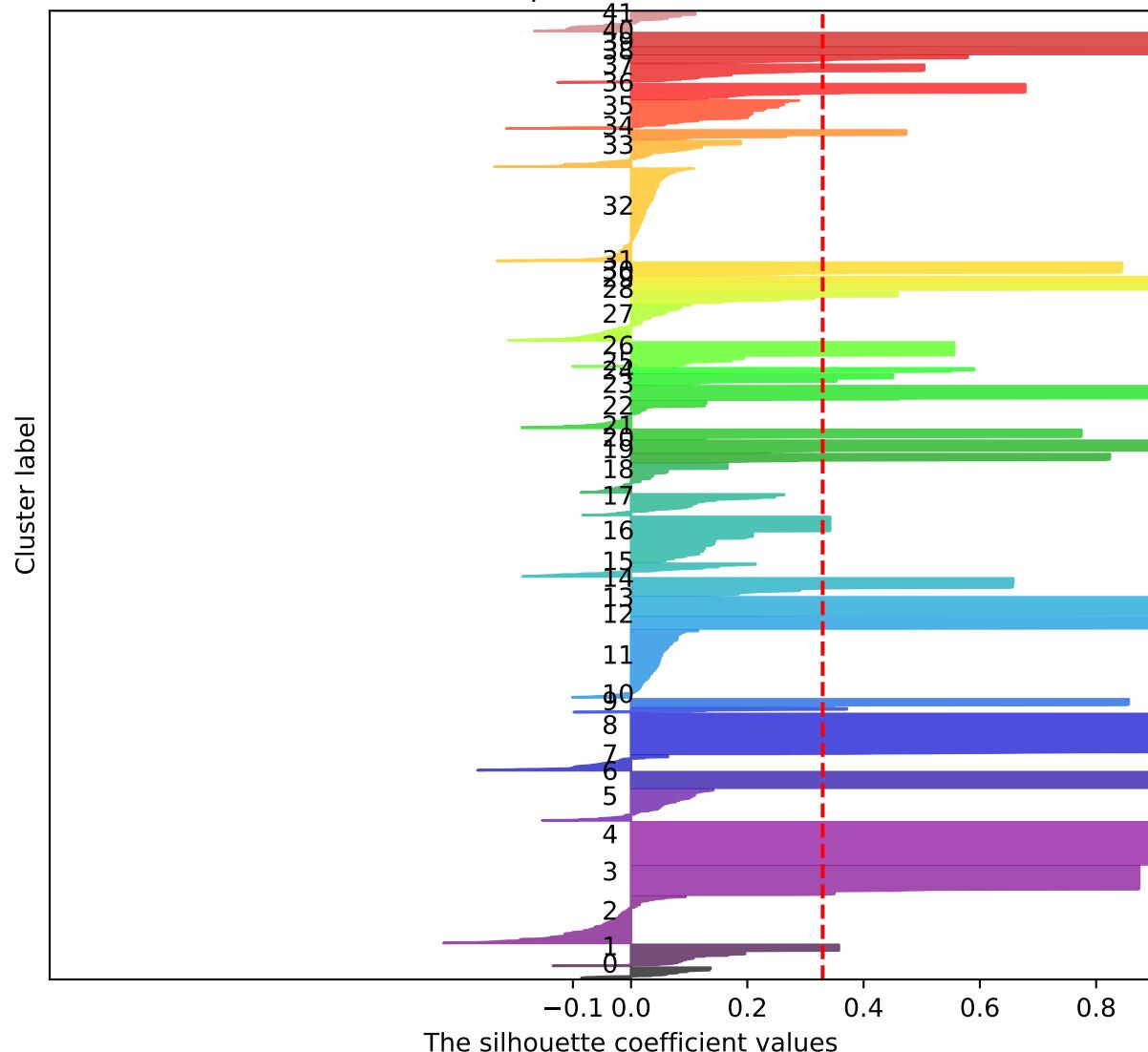


The visualization of the clustered data.

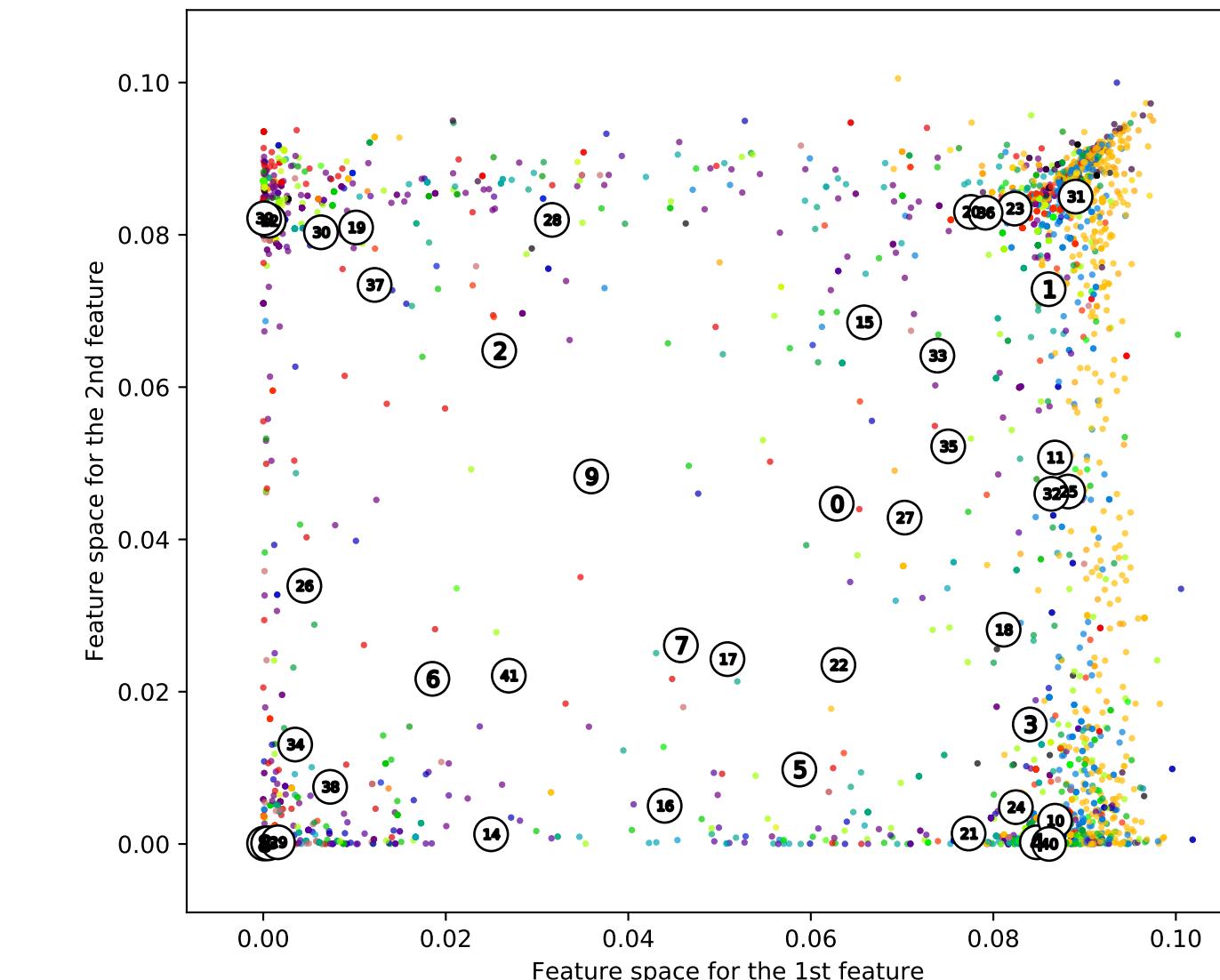


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 42 with Average Silhouette of: 0.3296329081058502

The silhouette plot for the various clusters.

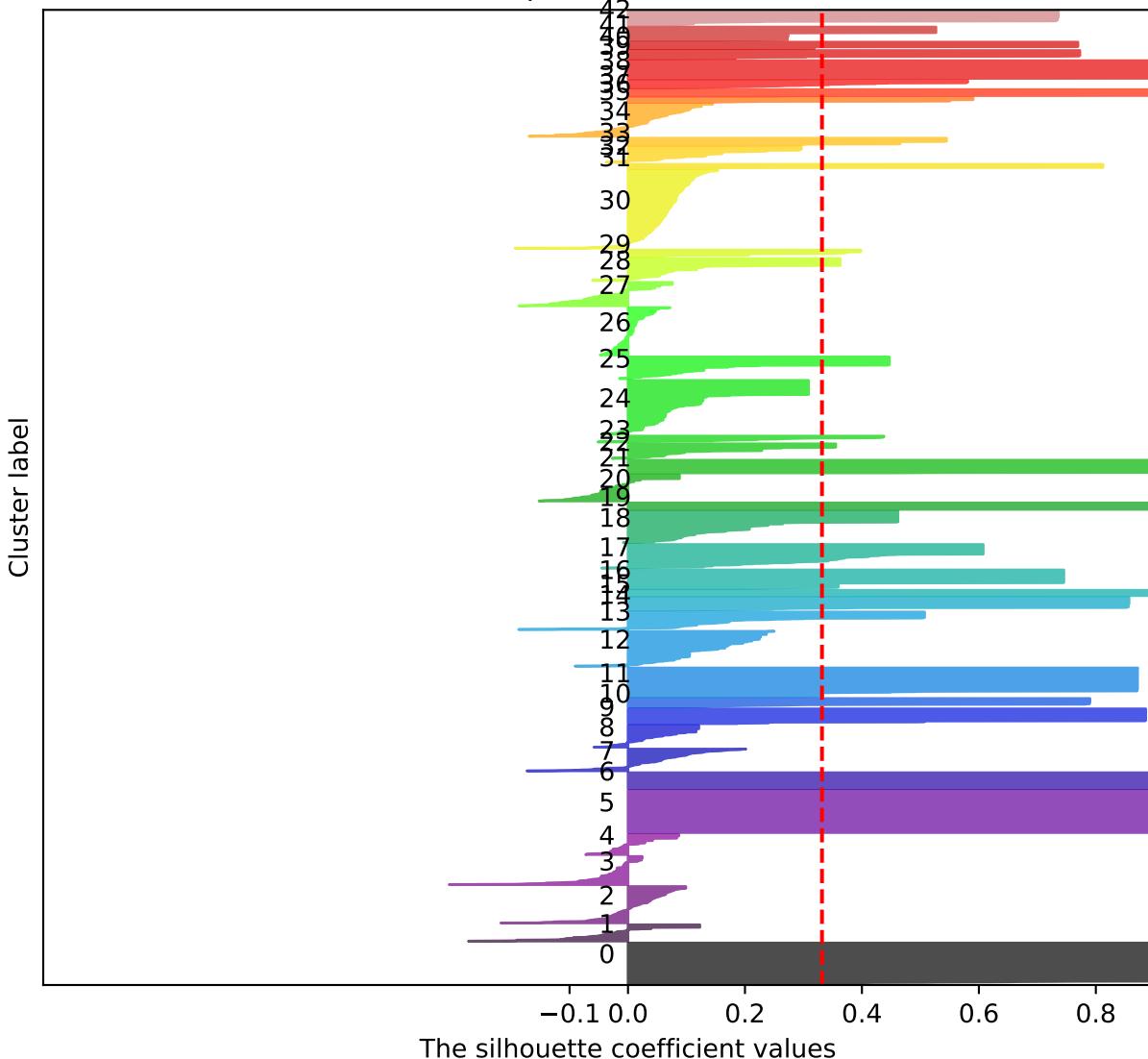


The visualization of the clustered data.

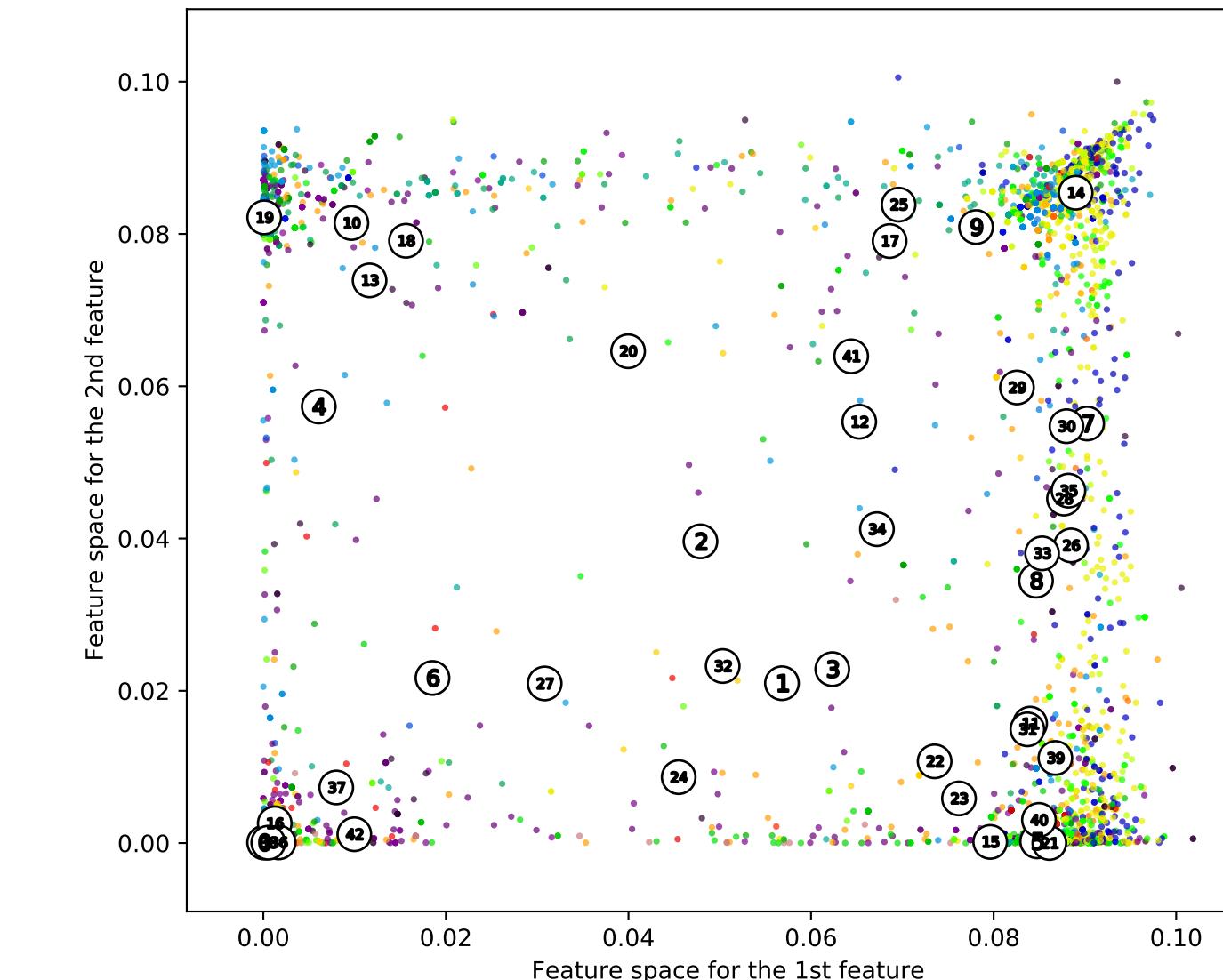


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 43 with Average Silhouette of: 0.33168795704841614

The silhouette plot for the various clusters.

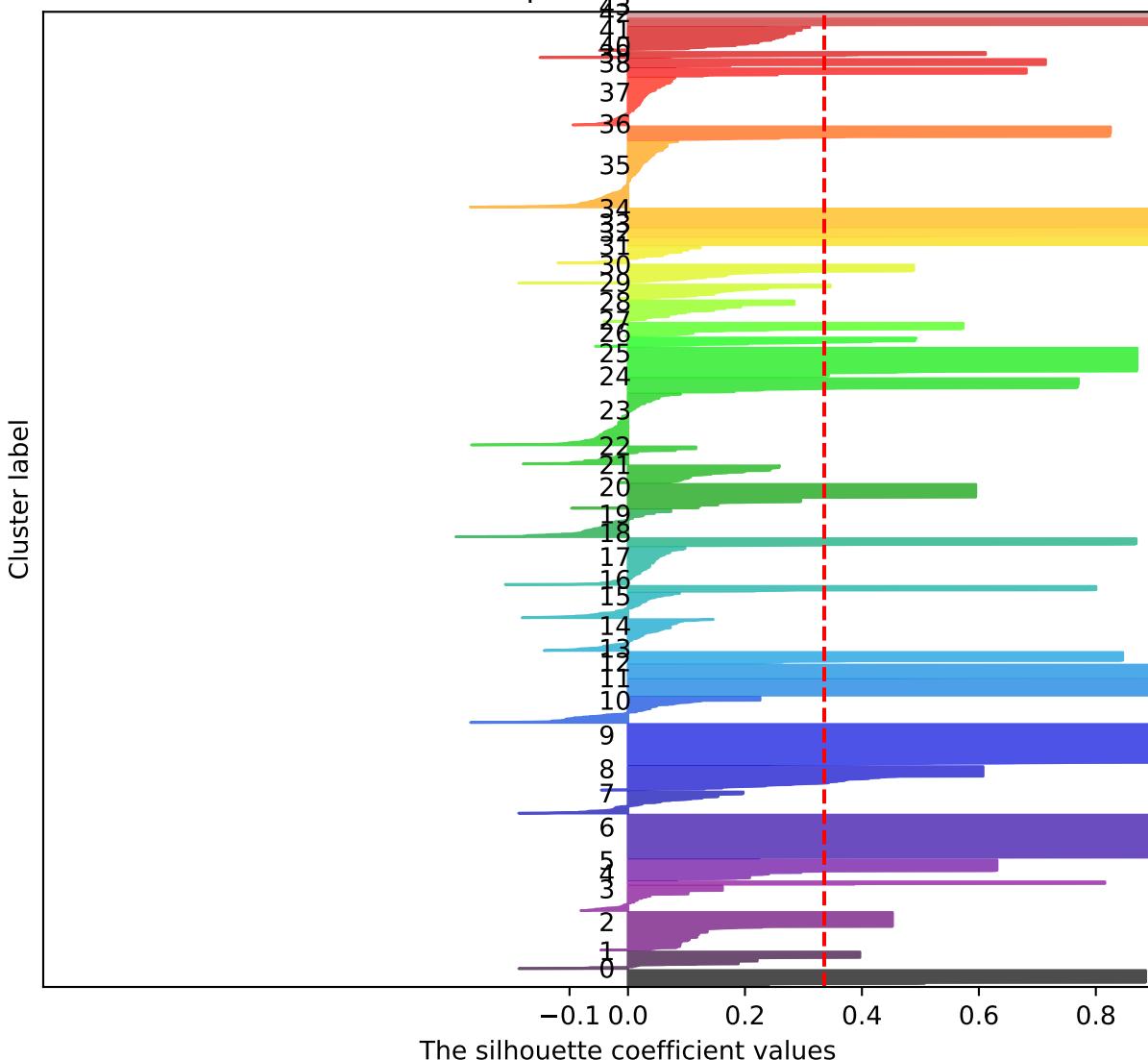


The visualization of the clustered data.

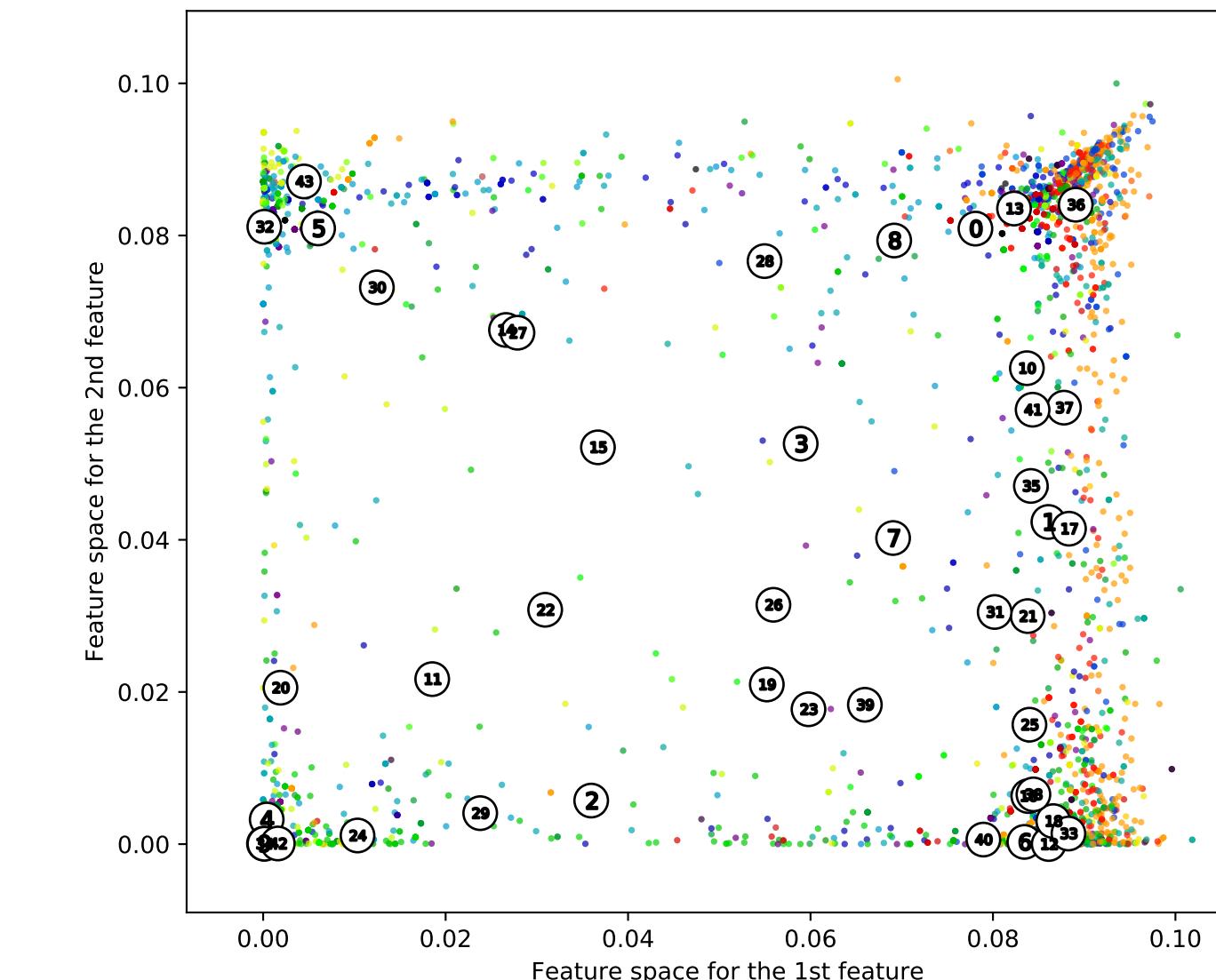


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 44 with Average Silhouette of: 0.3355621099472046

The silhouette plot for the various clusters.

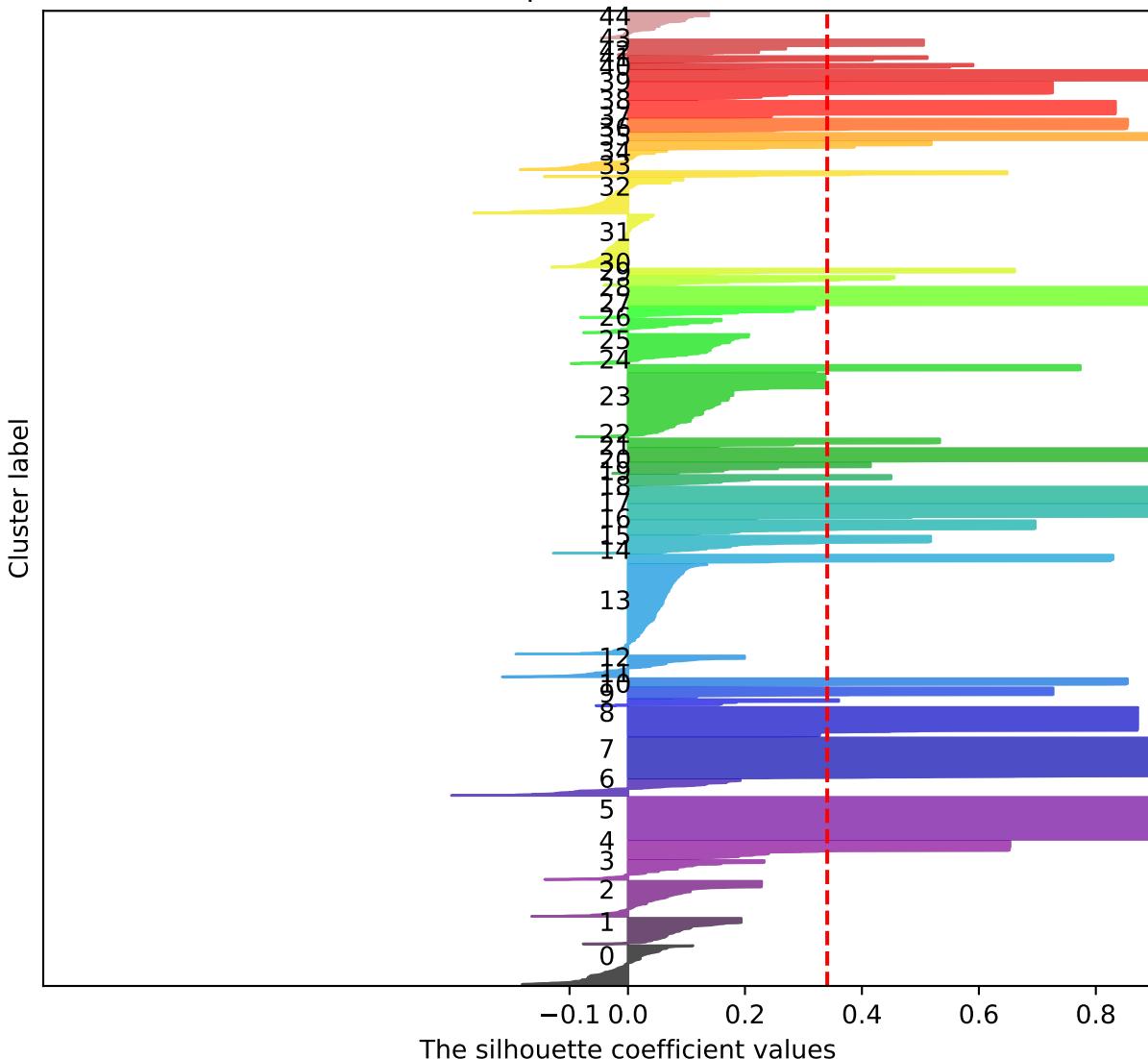


The visualization of the clustered data.

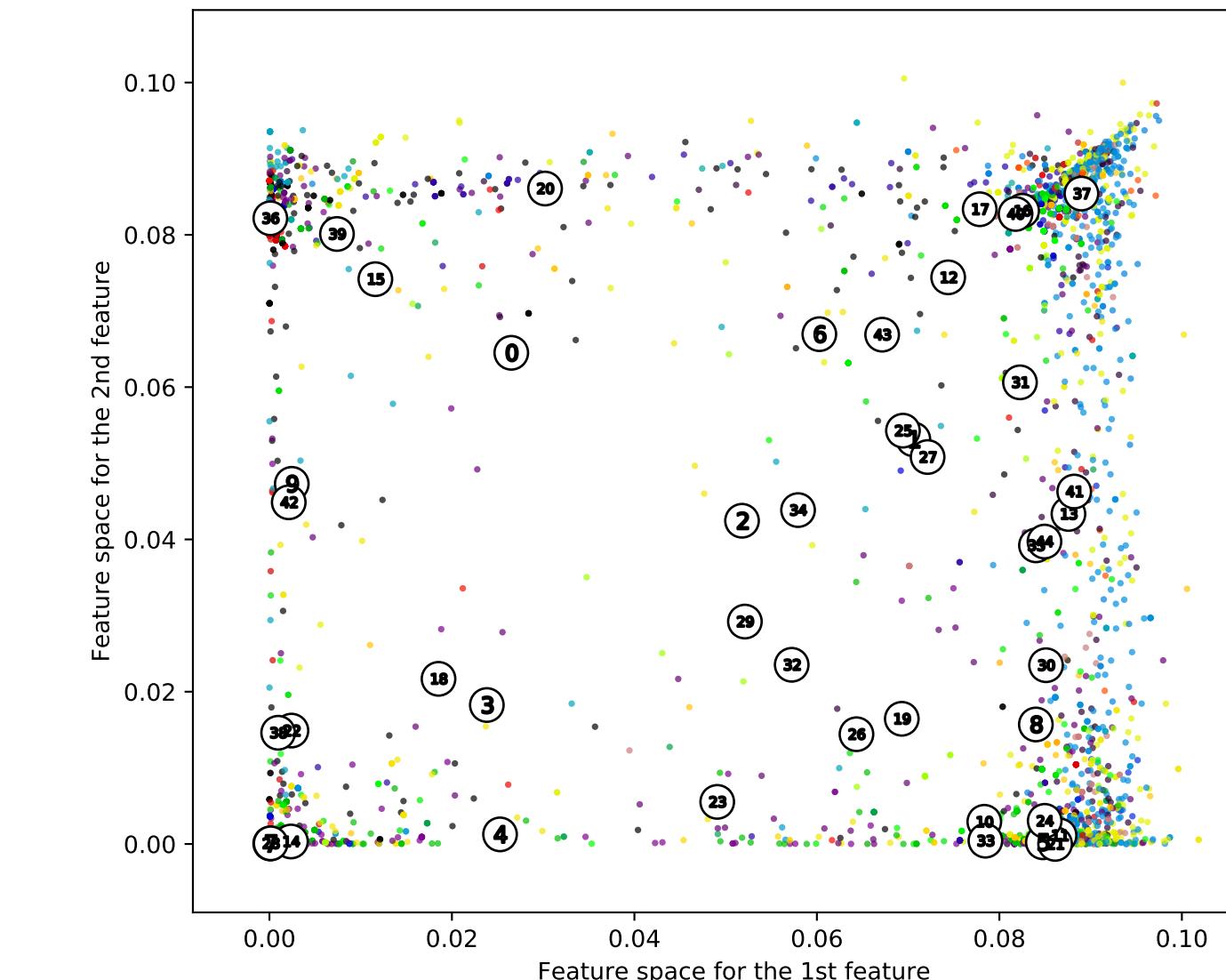


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 45 with Average Silhouette of: 0.3406464457511902

The silhouette plot for the various clusters.

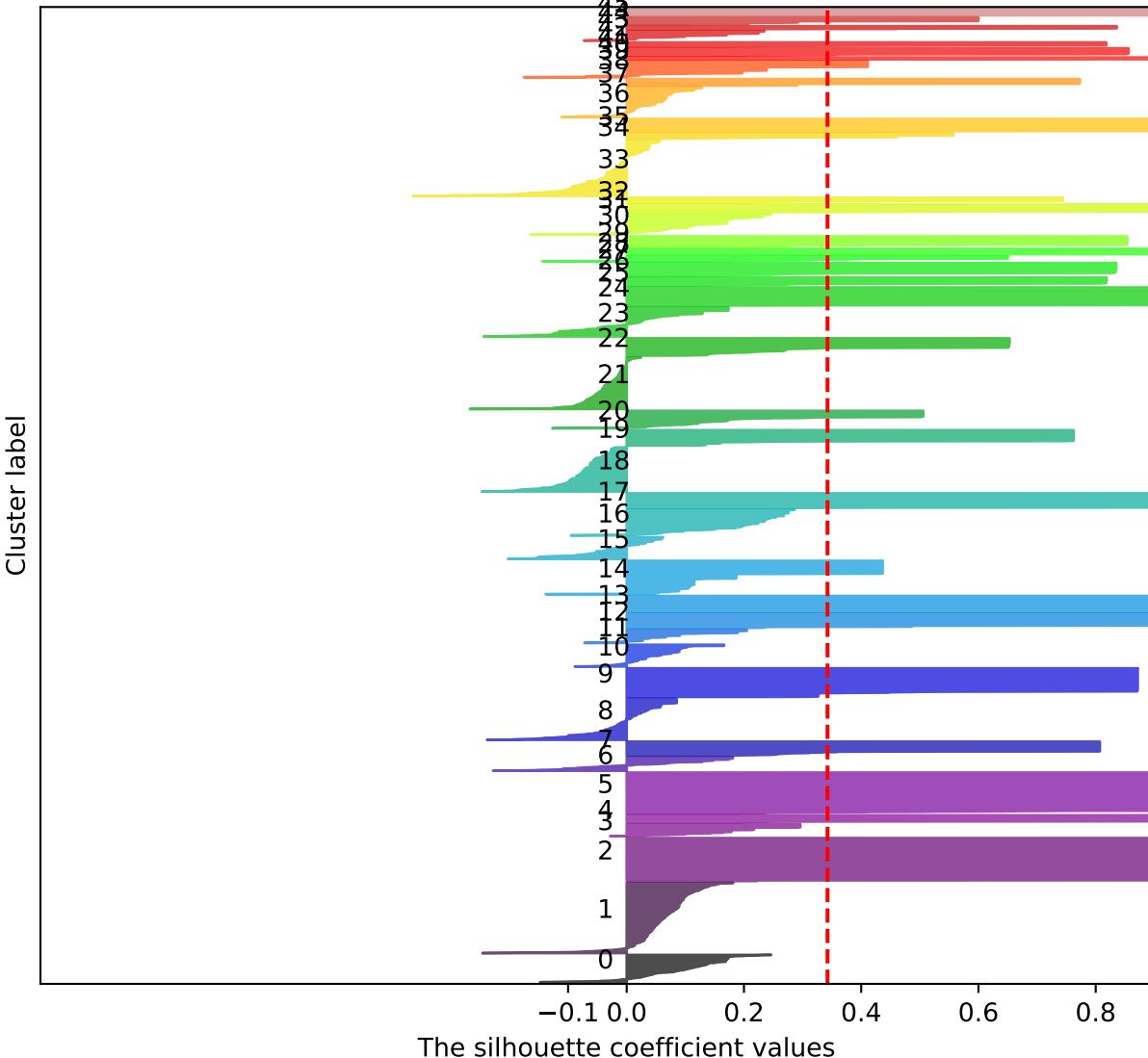


The visualization of the clustered data.

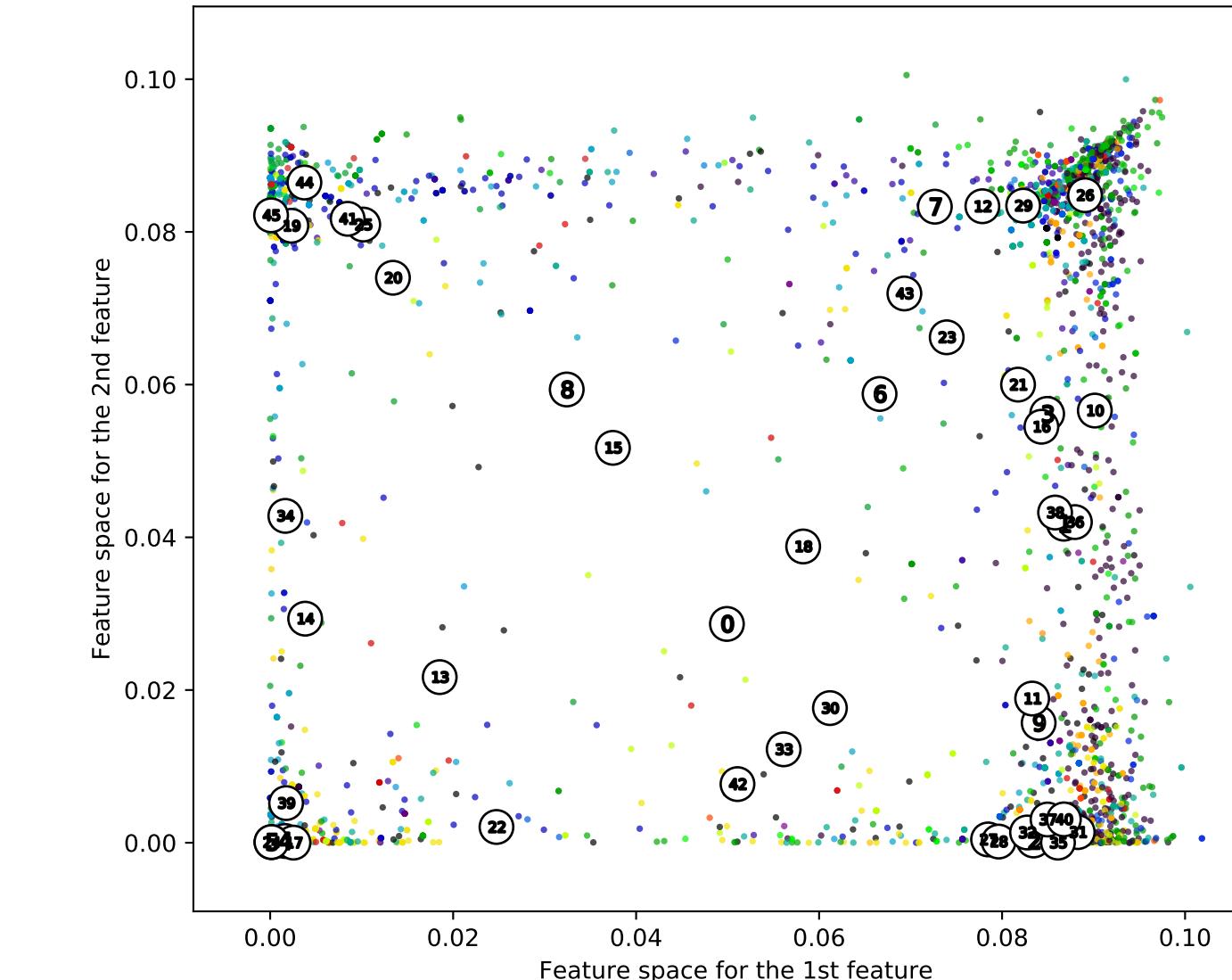


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 46 with Average Silhouette of: 0.3425077497959137**

The silhouette plot for the various clusters

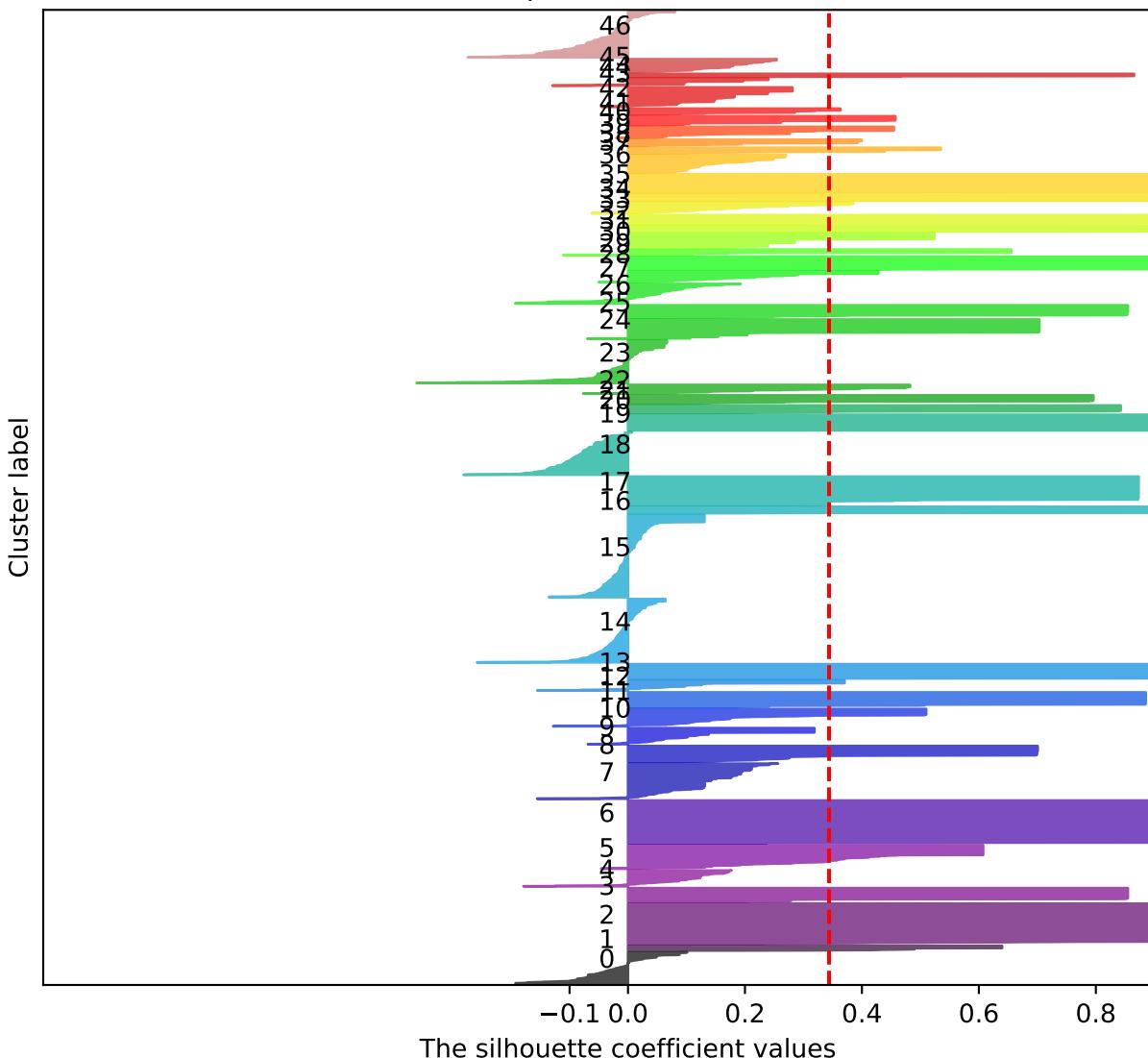


## The visualization of the clustered data

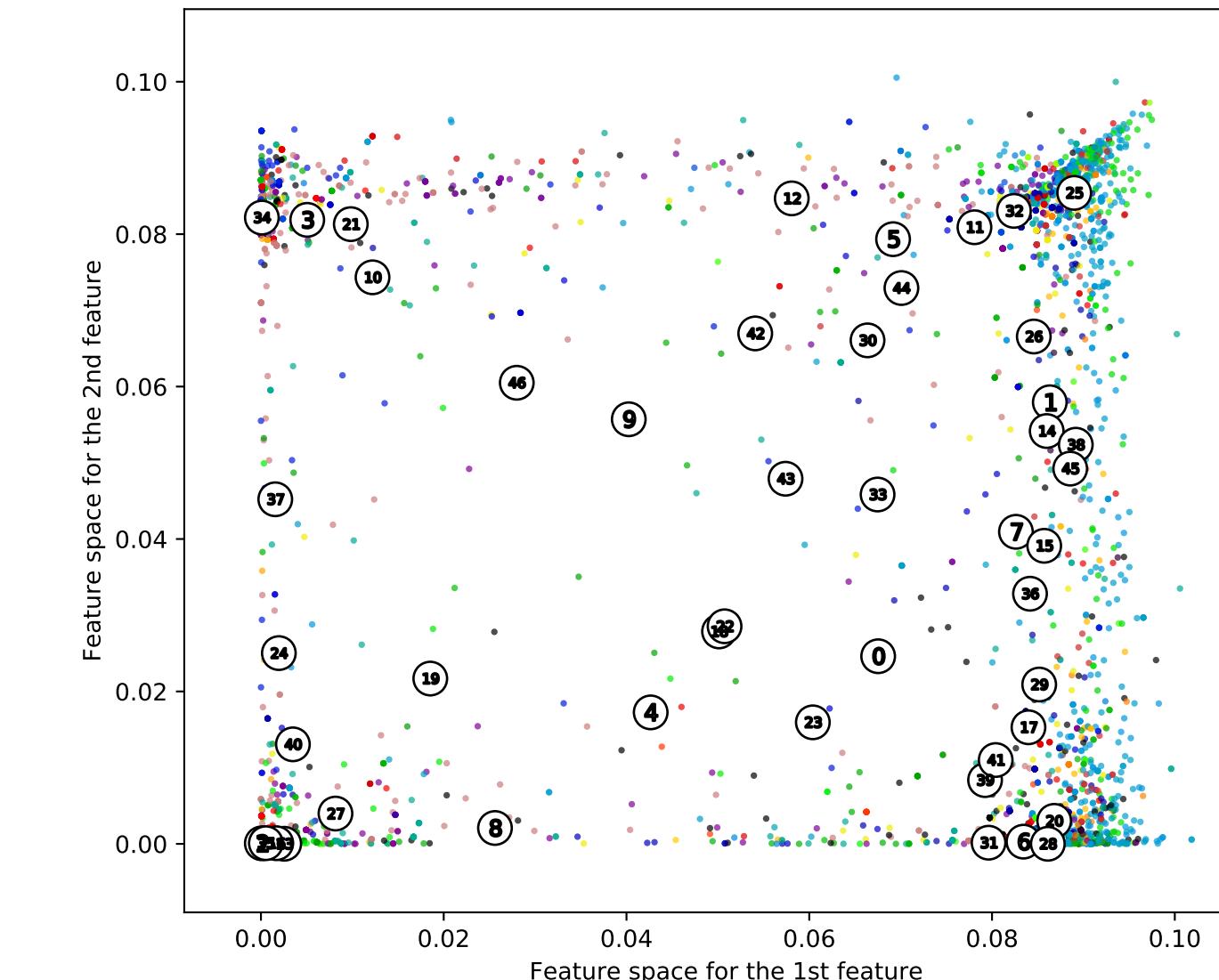


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 47 with Average Silhouette of: 0.3438166379928589

The silhouette plot for the various clusters.

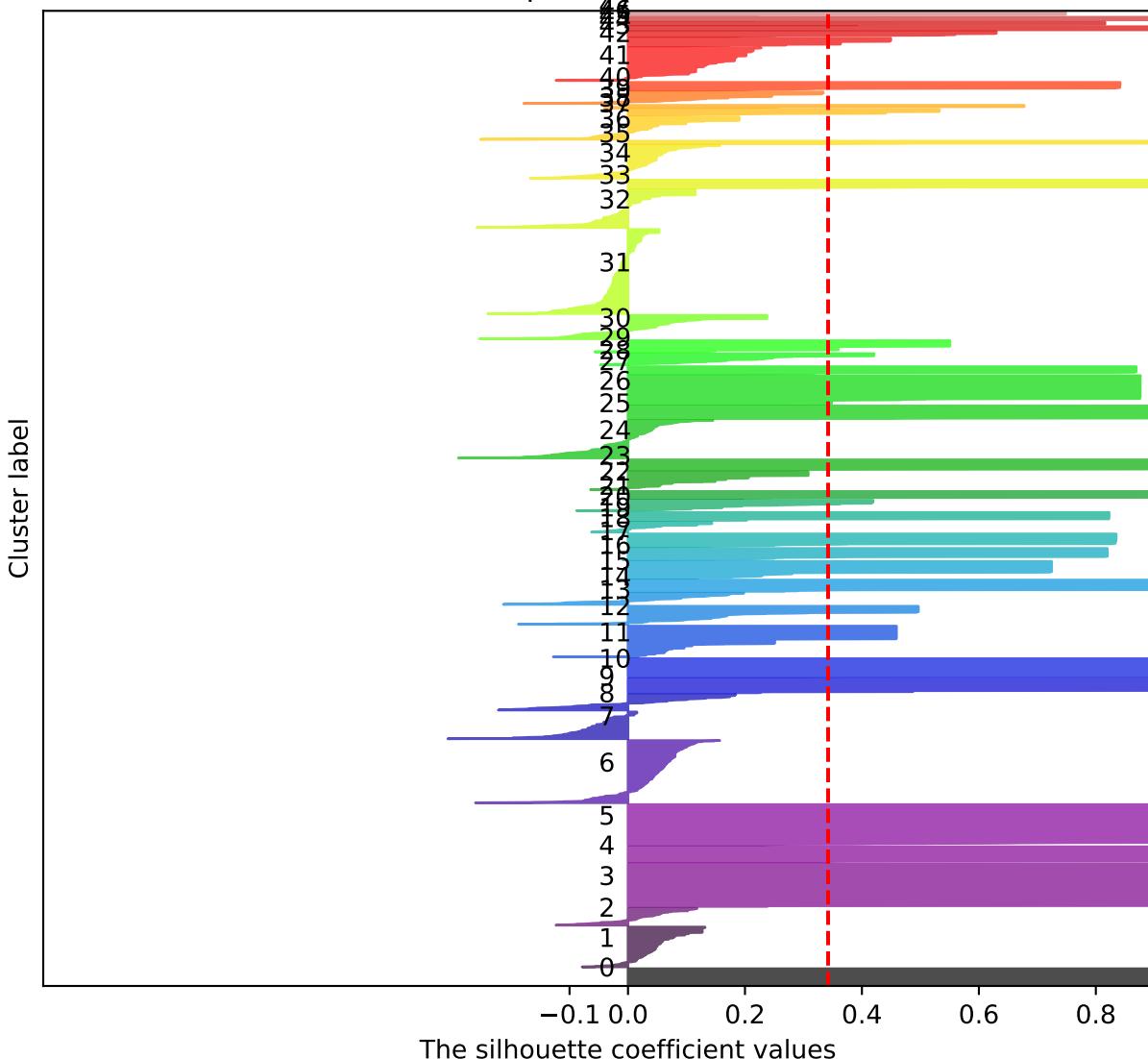


The visualization of the clustered data.

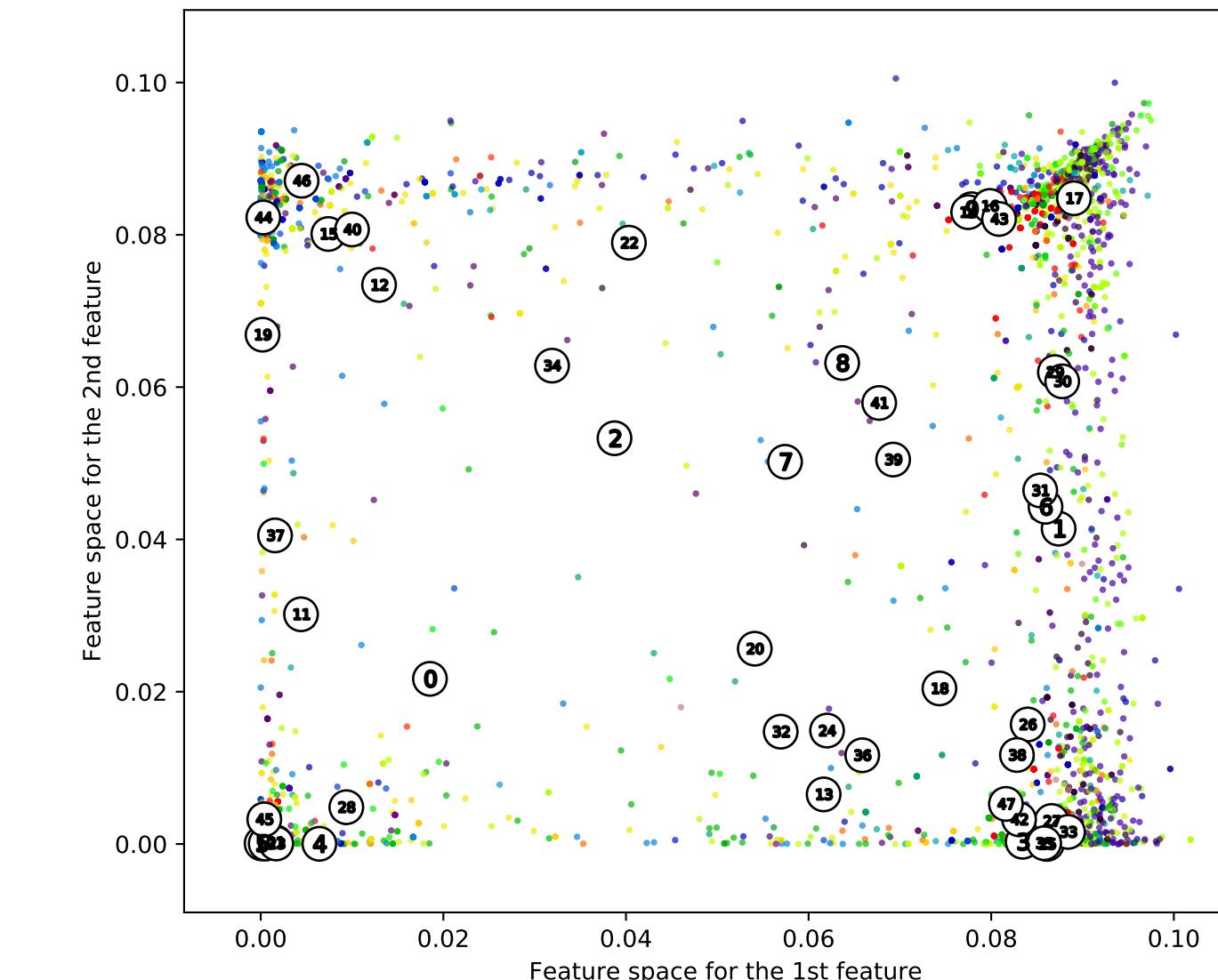


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 48 with Average Silhouette of: 0.3421228229999542

The silhouette plot for the various clusters.

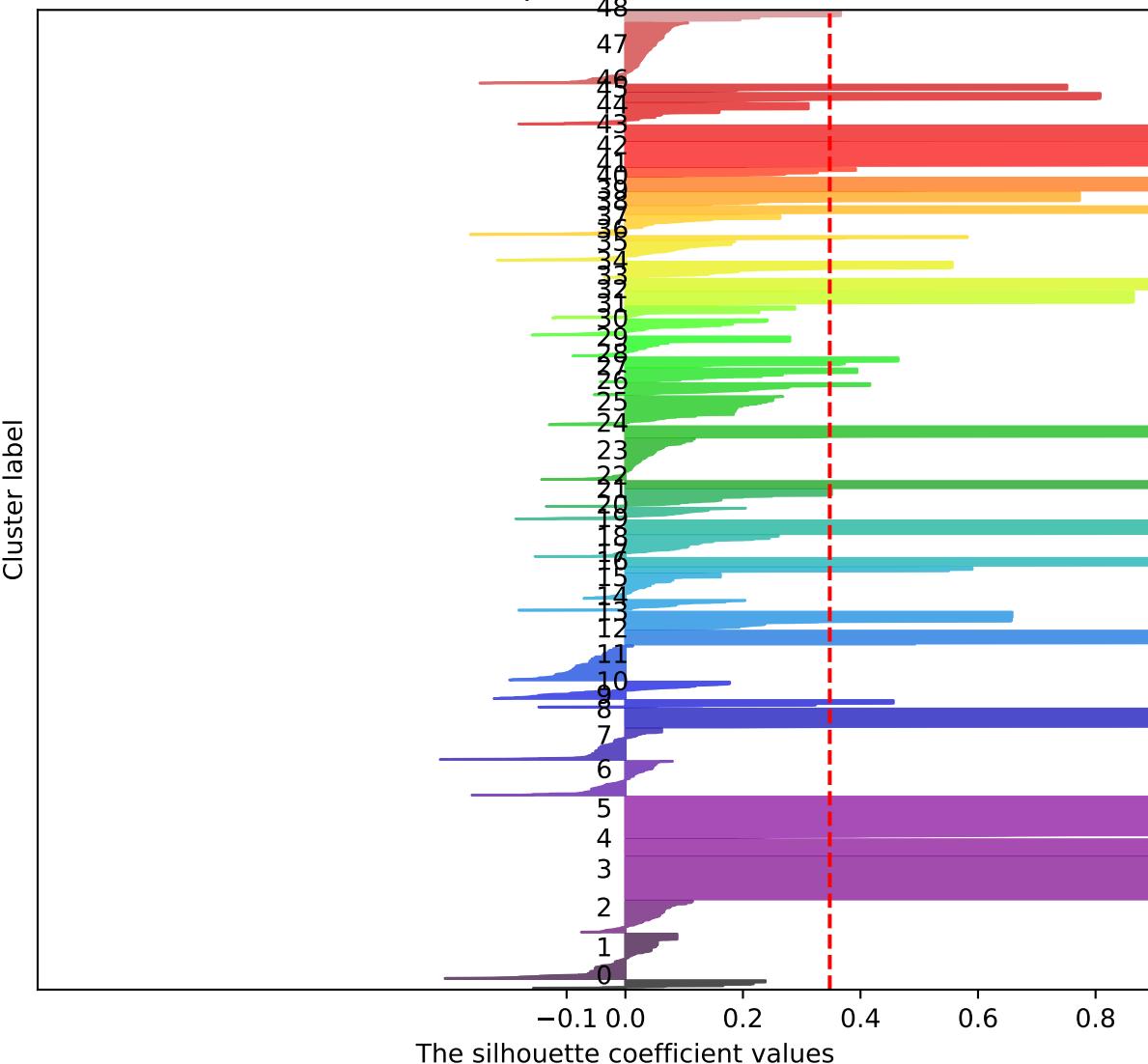


The visualization of the clustered data.

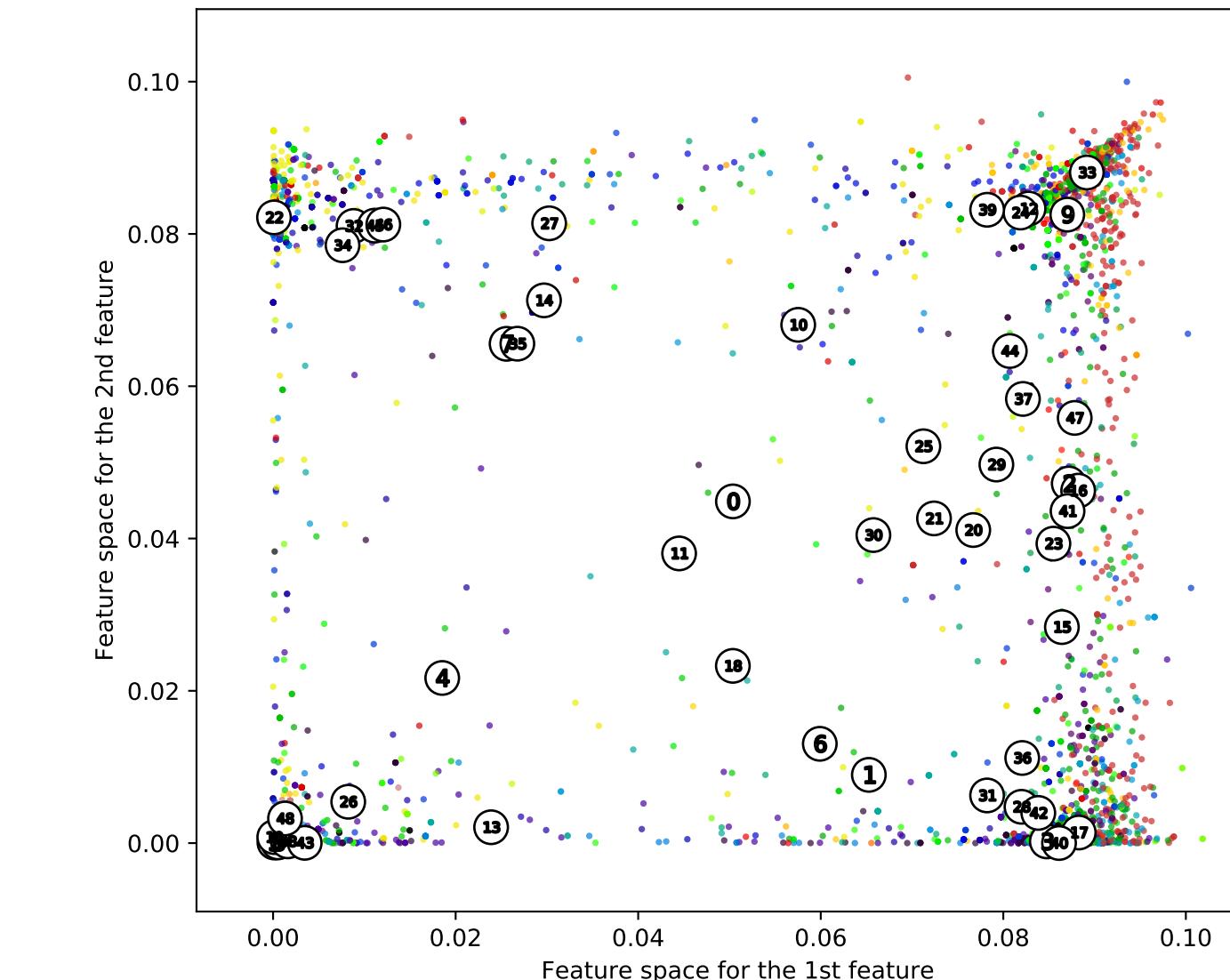


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 49 with Average Silhouette of: 0.34772971272468567**

The silhouette plot for the various clusters

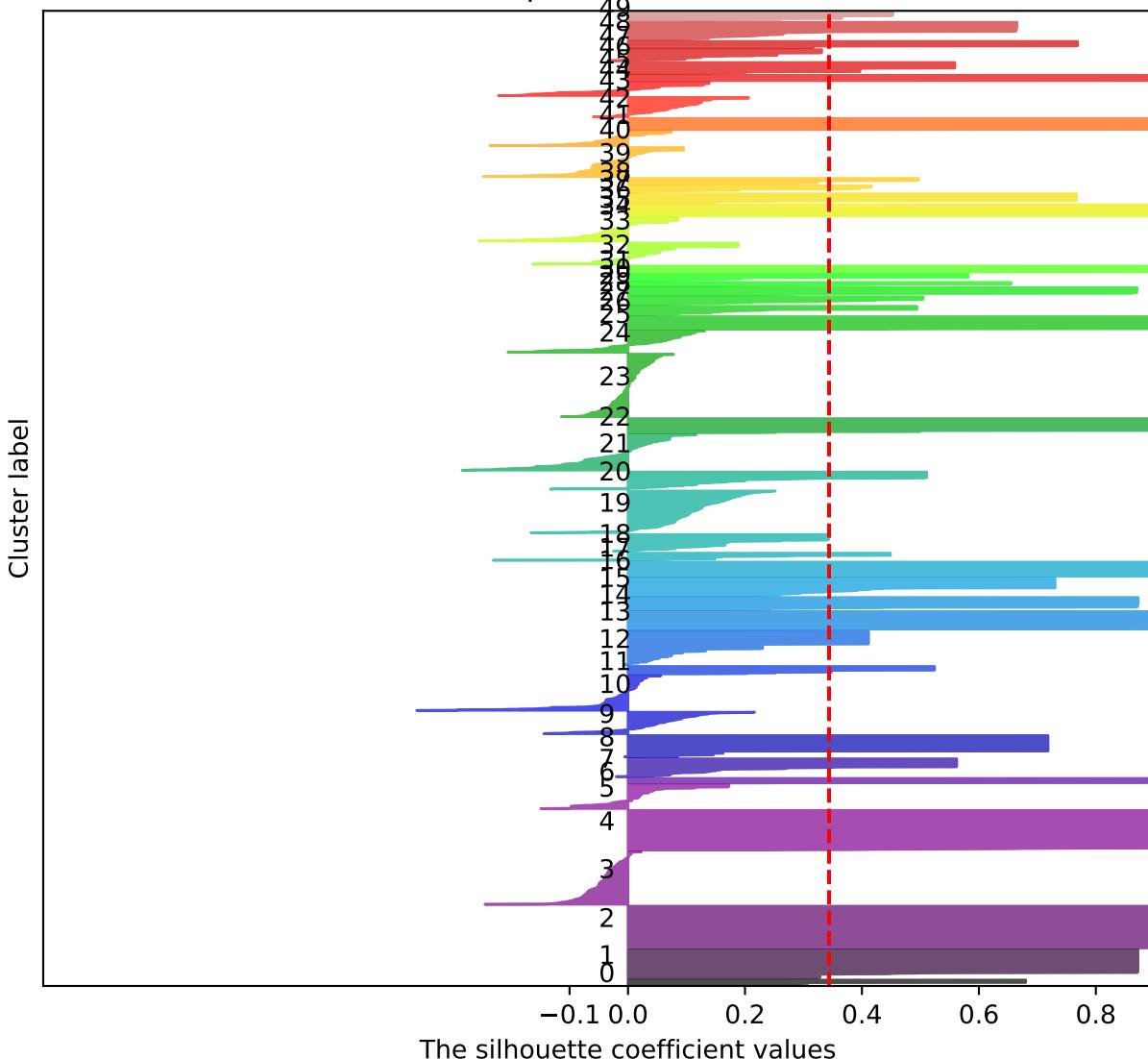


## The visualization of the clustered data

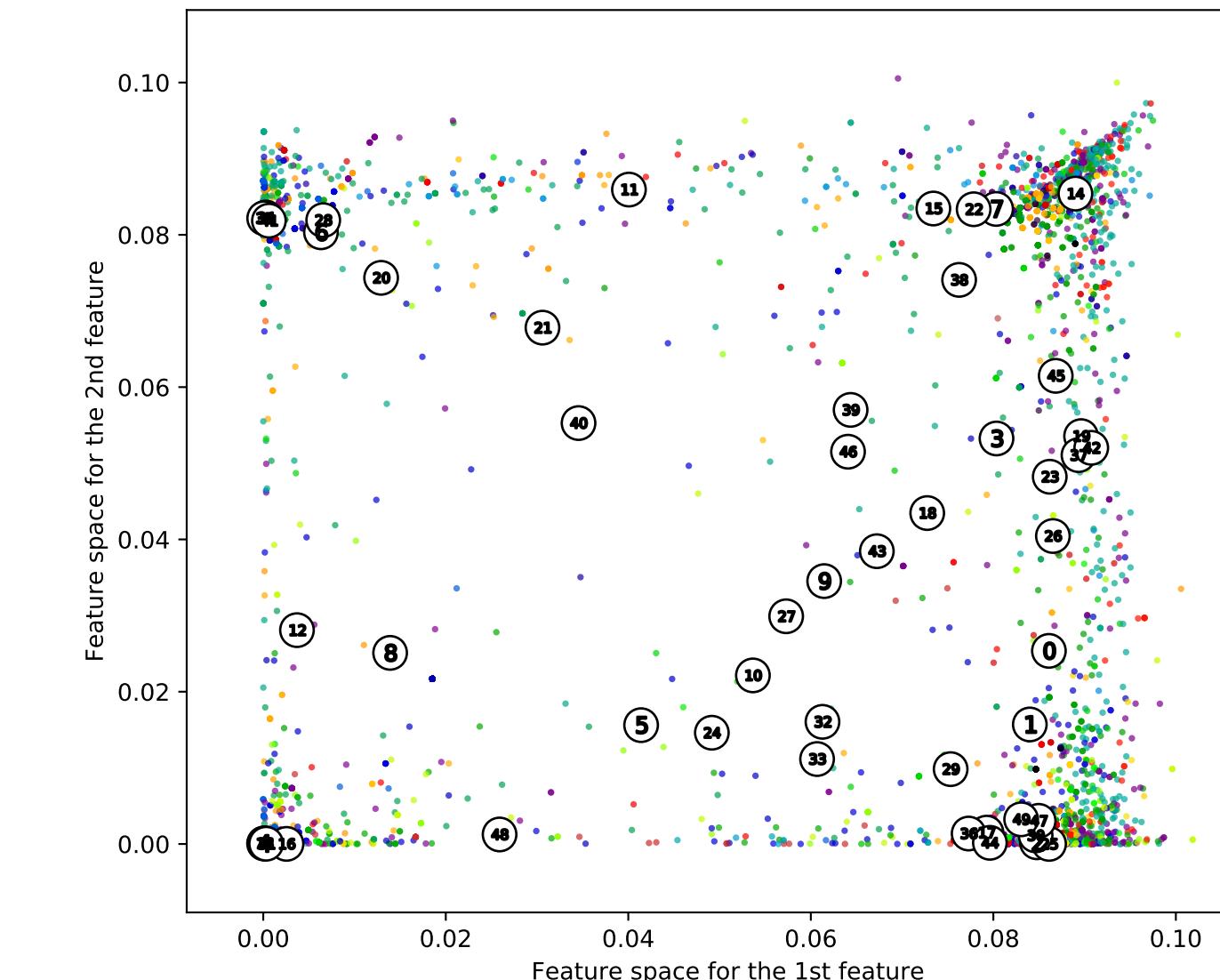


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 50 with Average Silhouette of: 0.3438083529472351

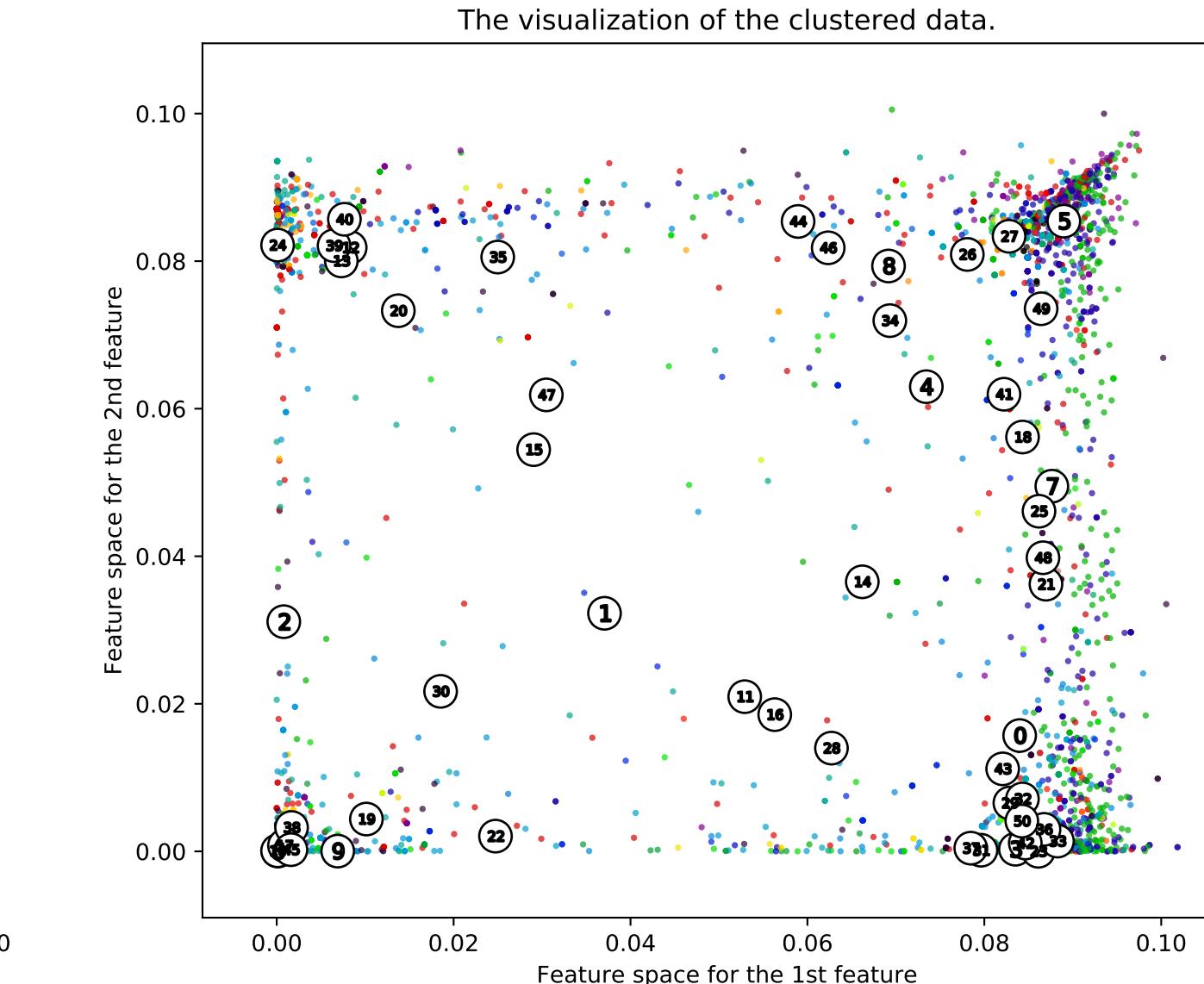
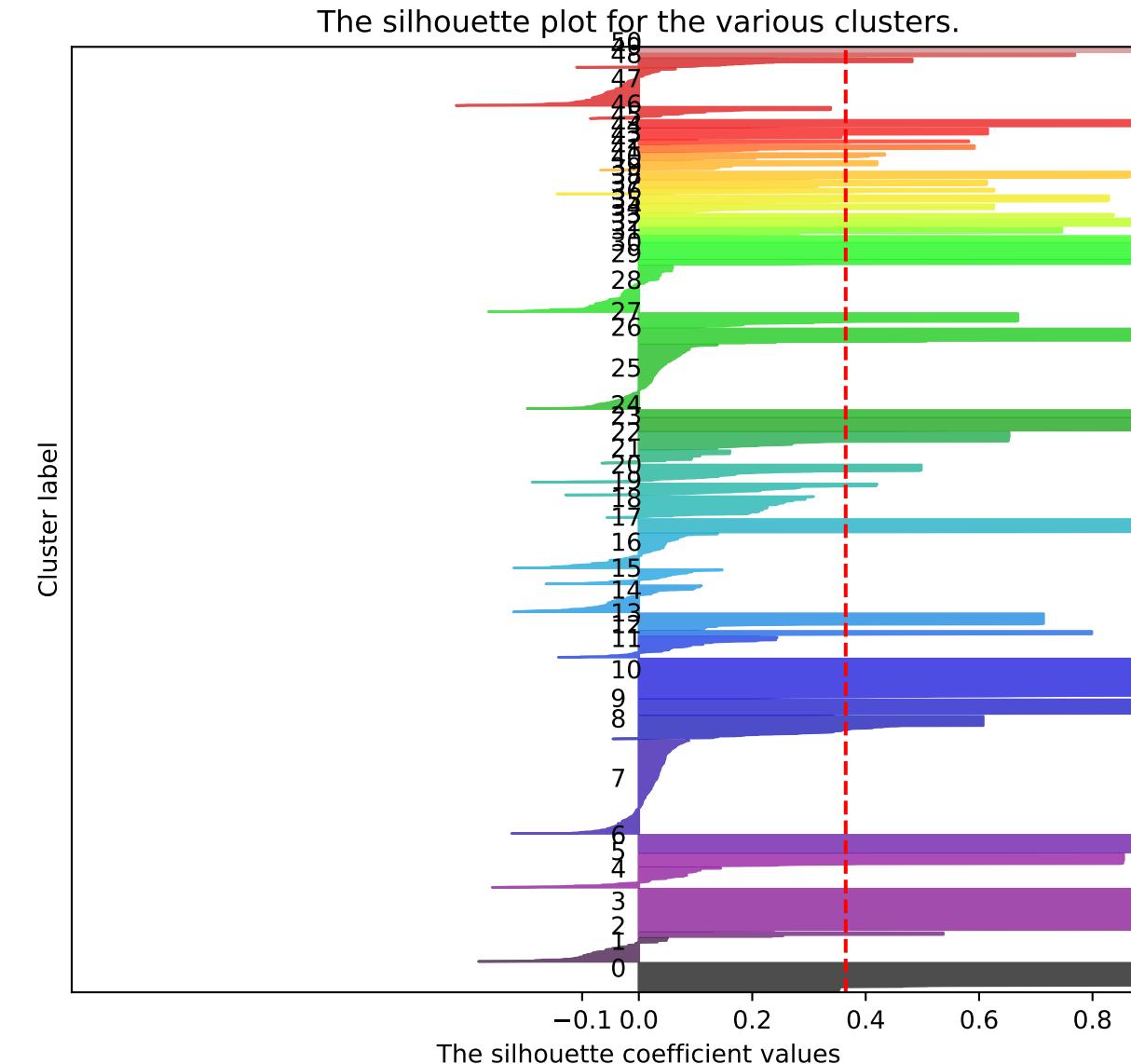
The silhouette plot for the various clusters.



The visualization of the clustered data.

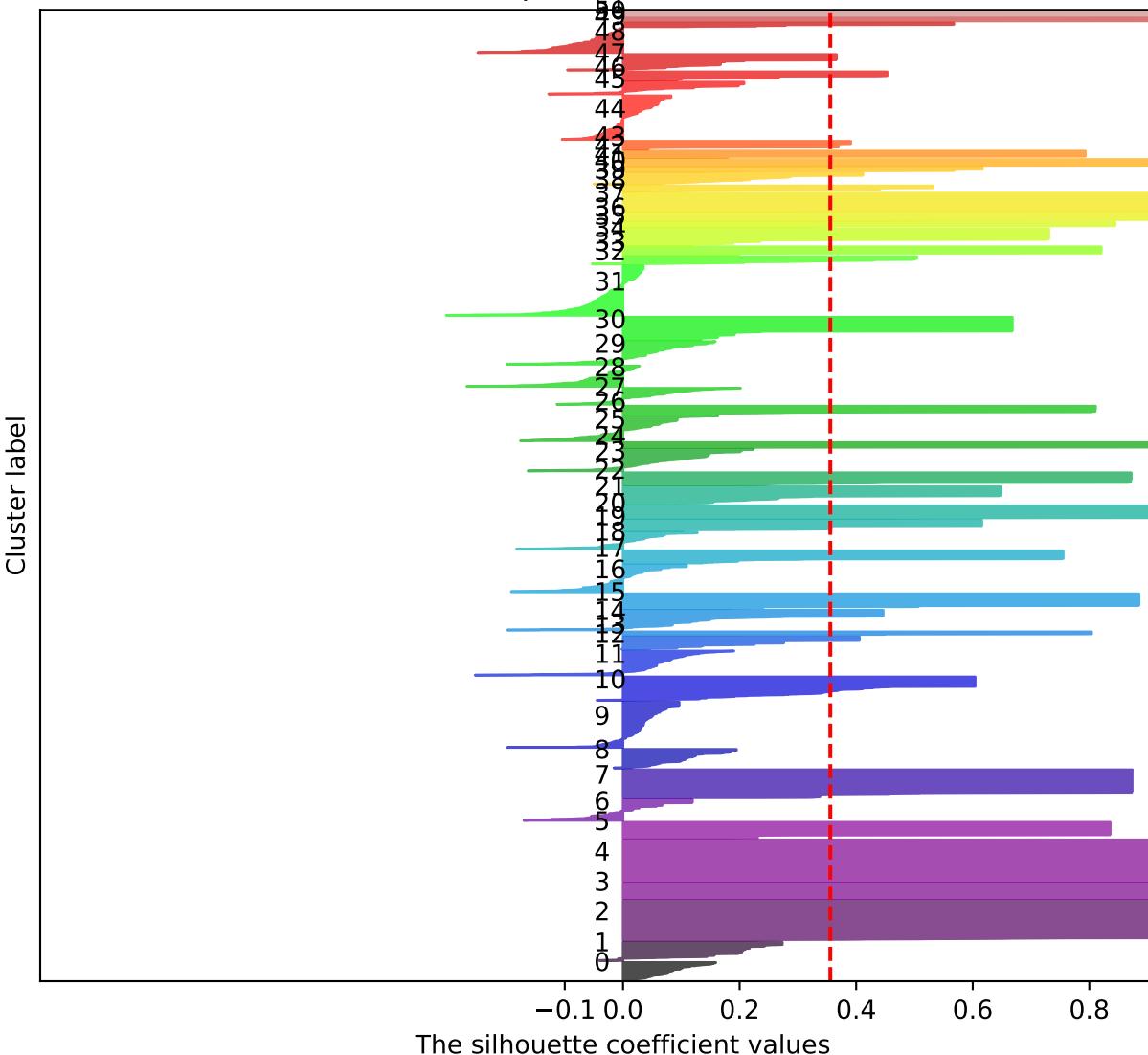


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 51 with Average Silhouette of: 0.36477452516555786

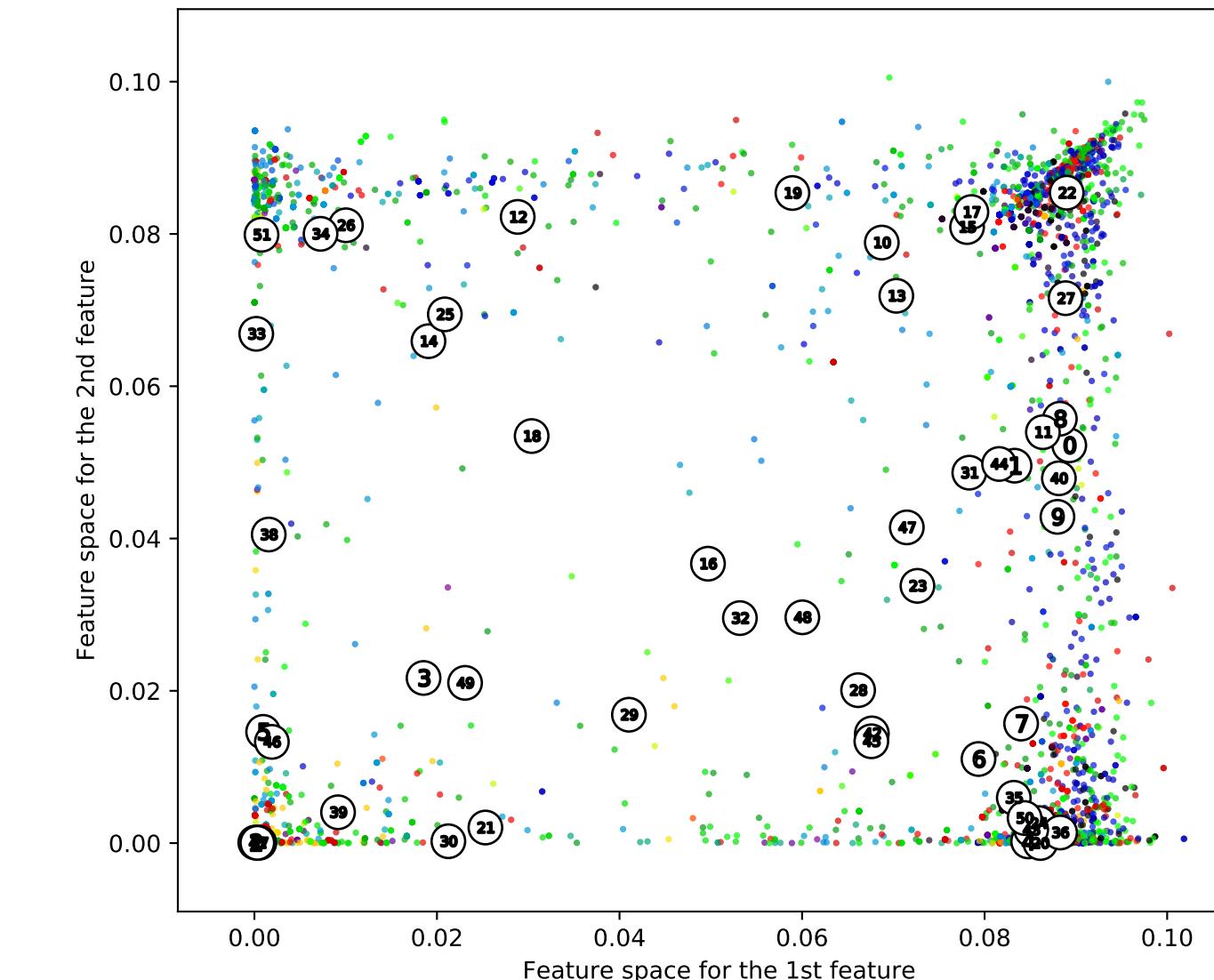


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 52 with Average Silhouette of: 0.35558563470840454

The silhouette plot for the various clusters.

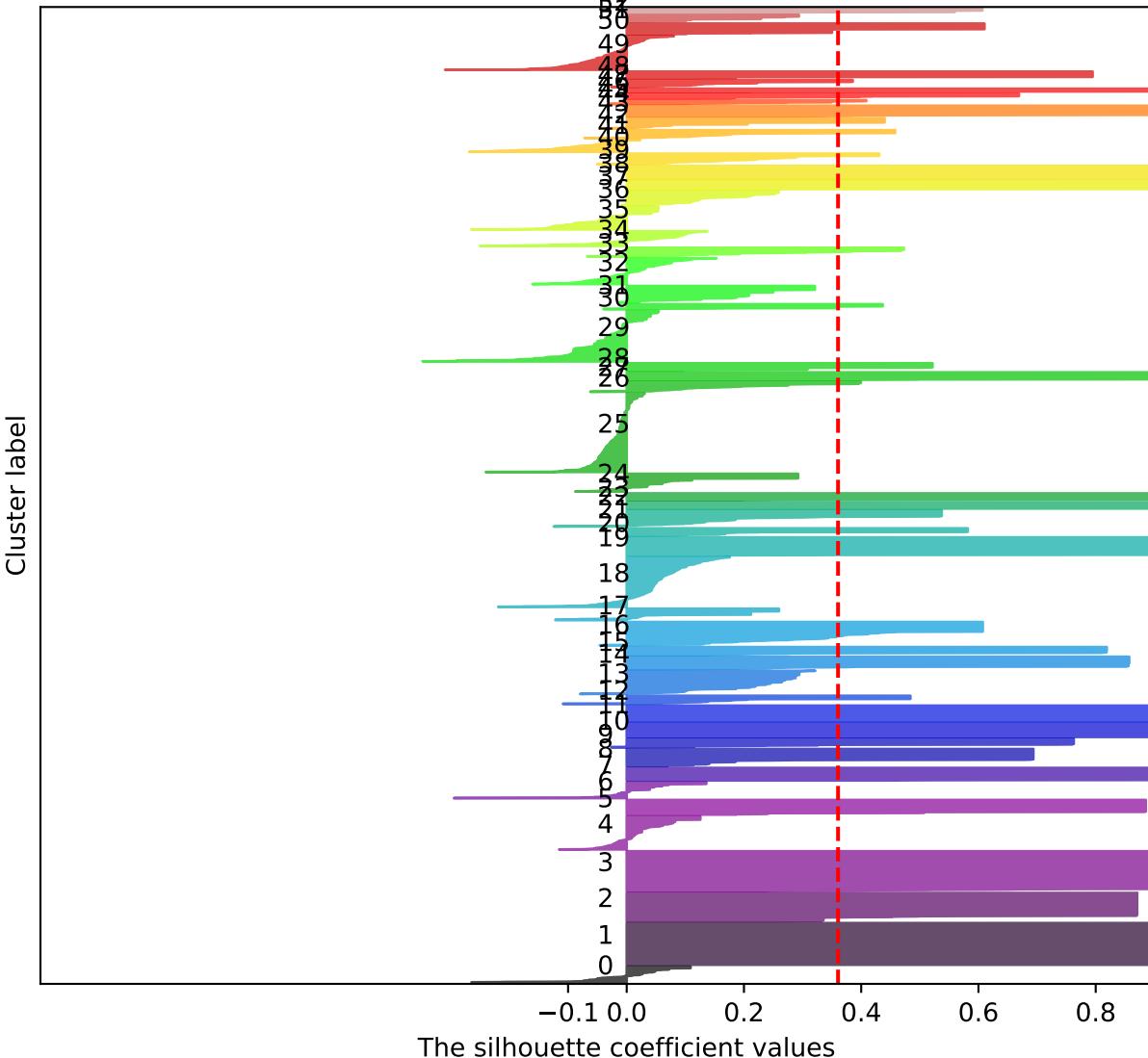


The visualization of the clustered data.

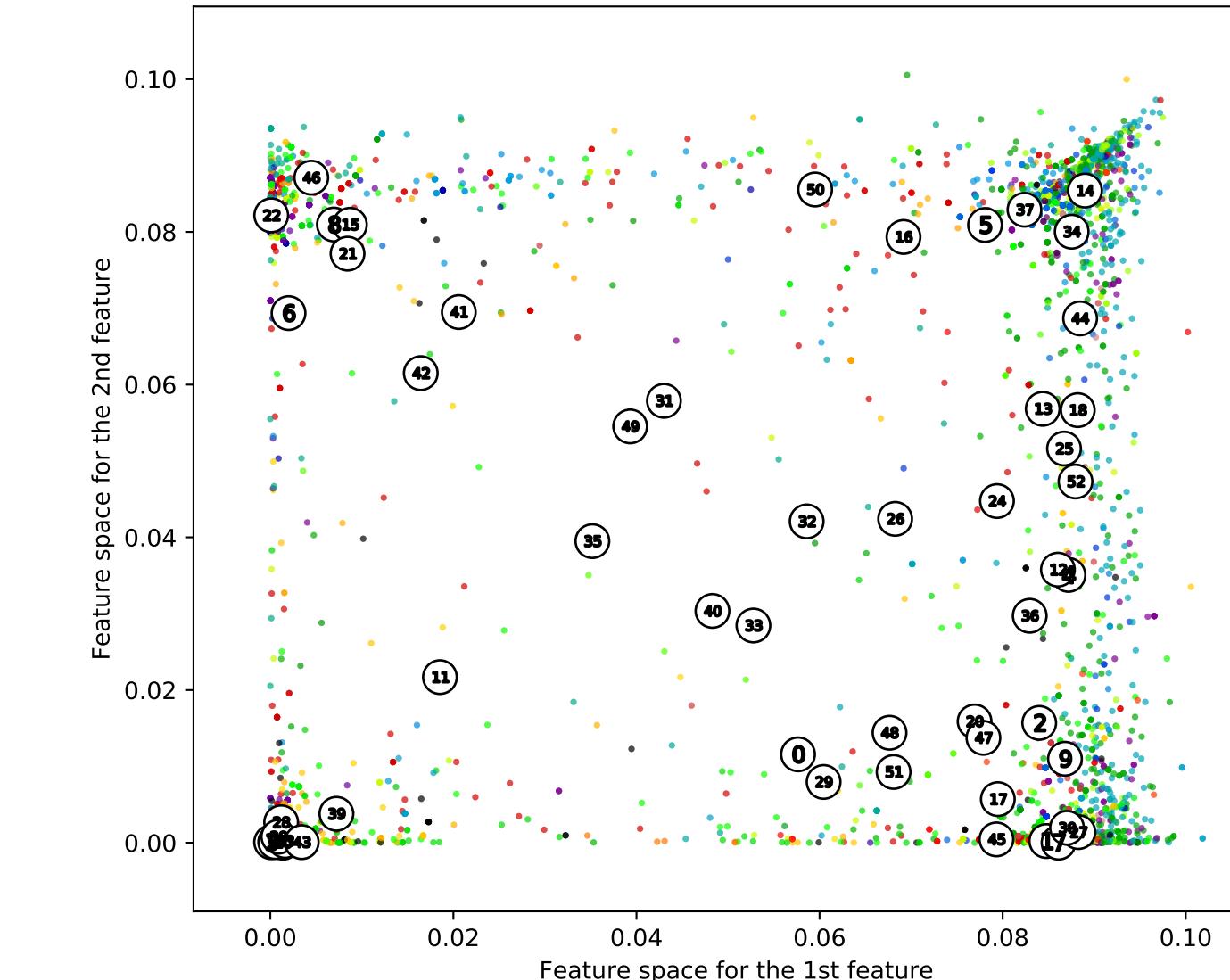


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 53 with Average Silhouette of: 0.36051061749458313**

The silhouette plot for the various clusters

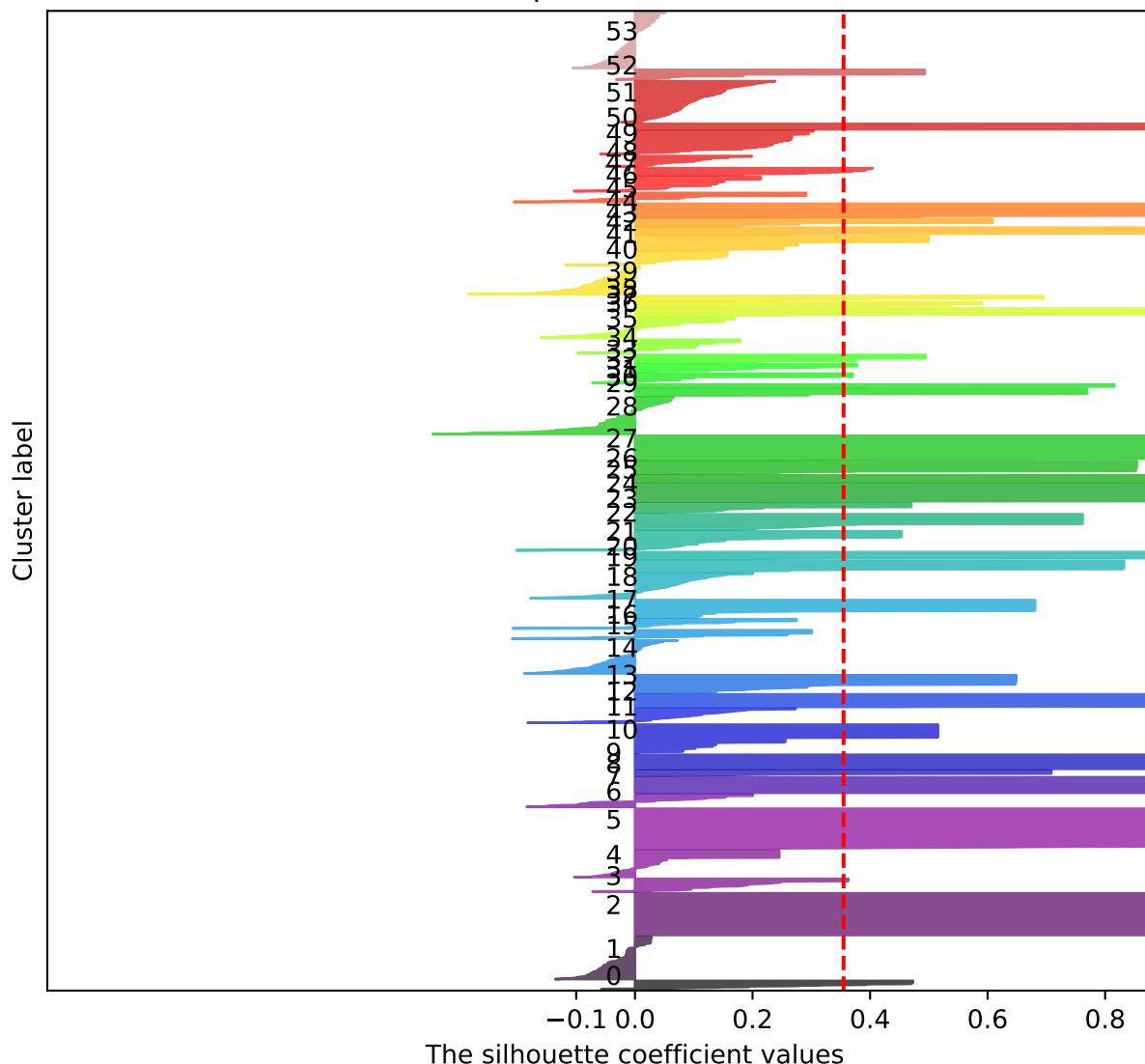


The visualization of the clustered data

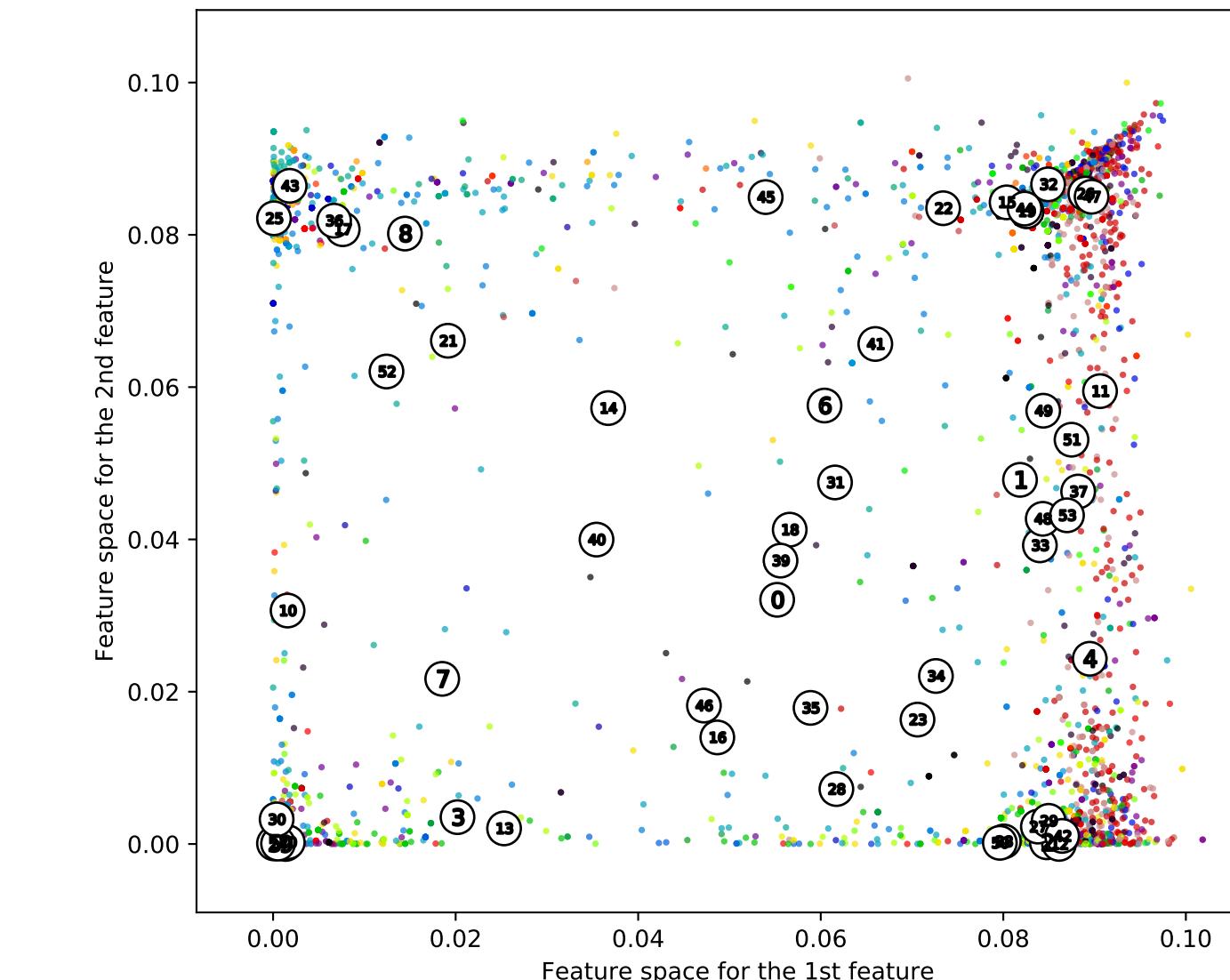


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 54 with Average Silhouette of: 0.354932963848114

The silhouette plot for the various clusters.

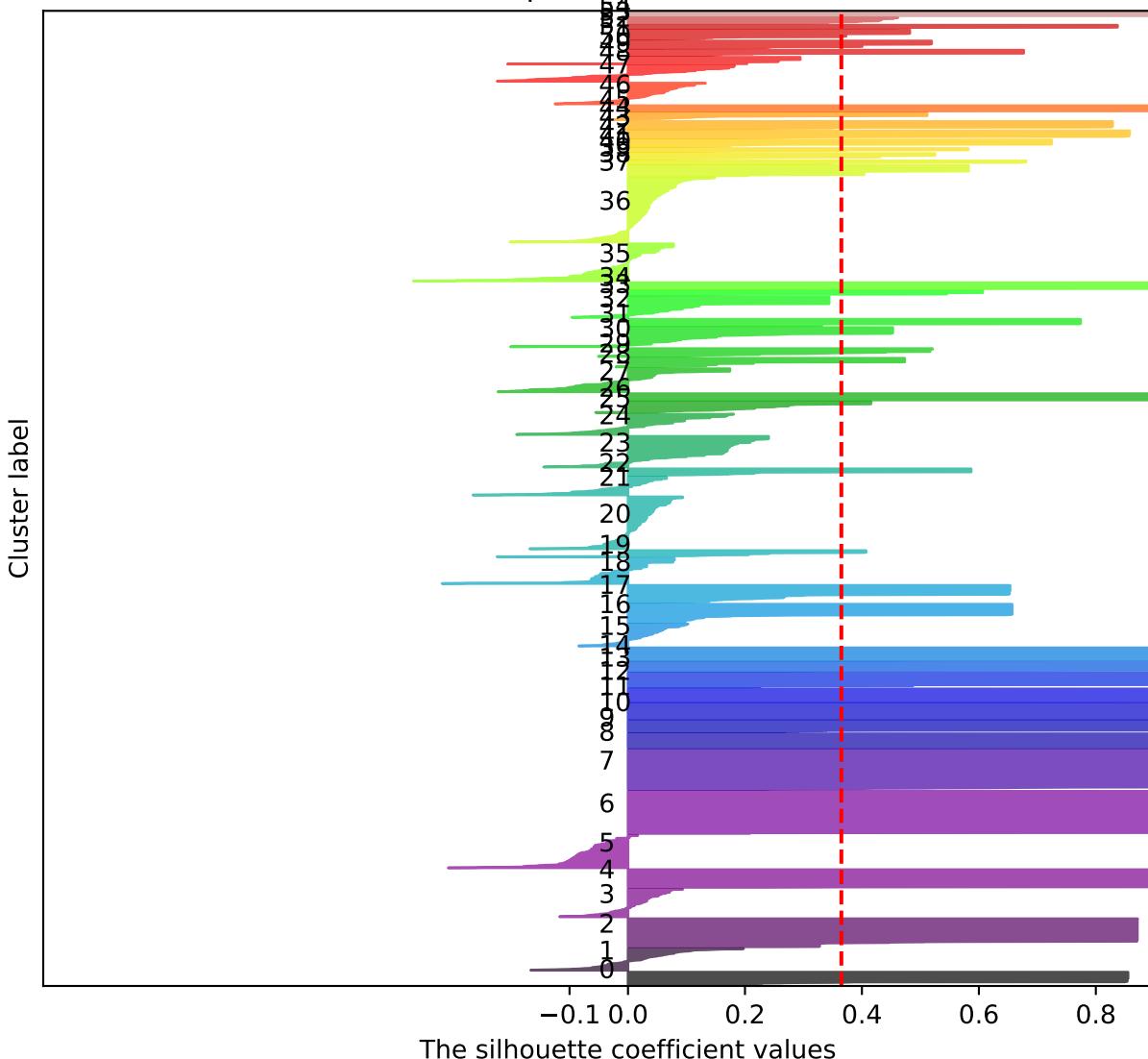


The visualization of the clustered data.

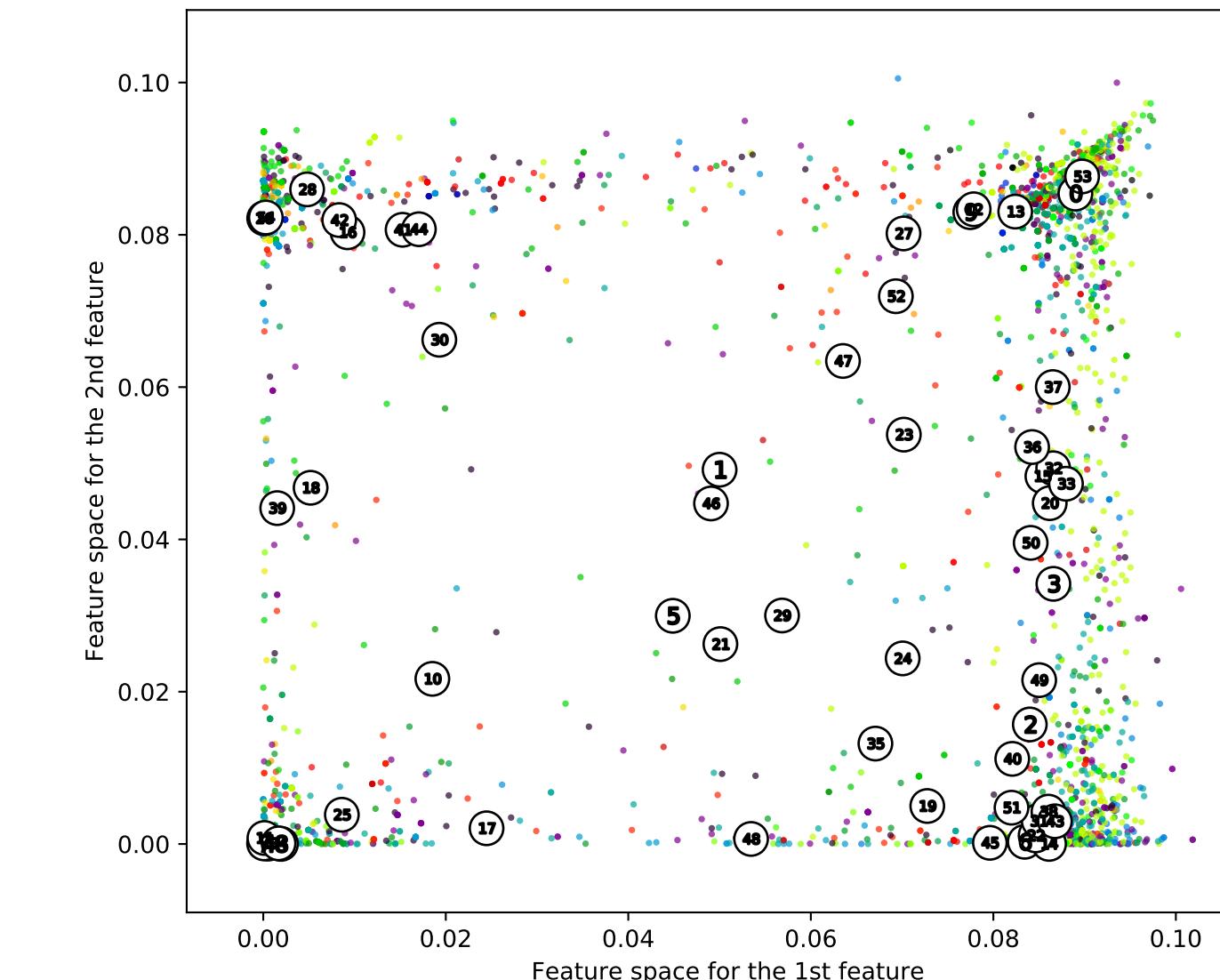


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 55 with Average Silhouette of: 0.3648383319377899

The silhouette plot for the various clusters.

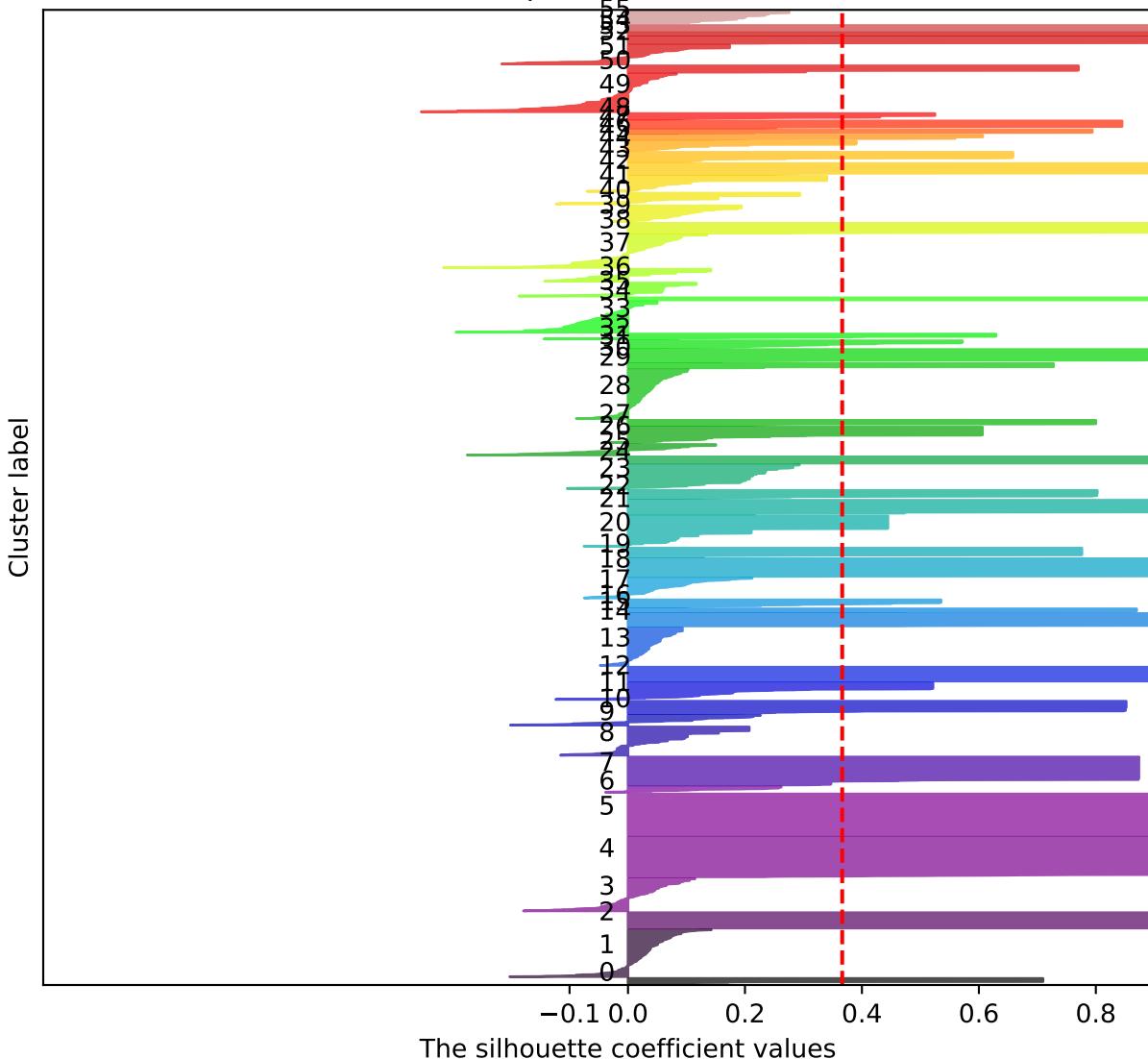


The visualization of the clustered data.

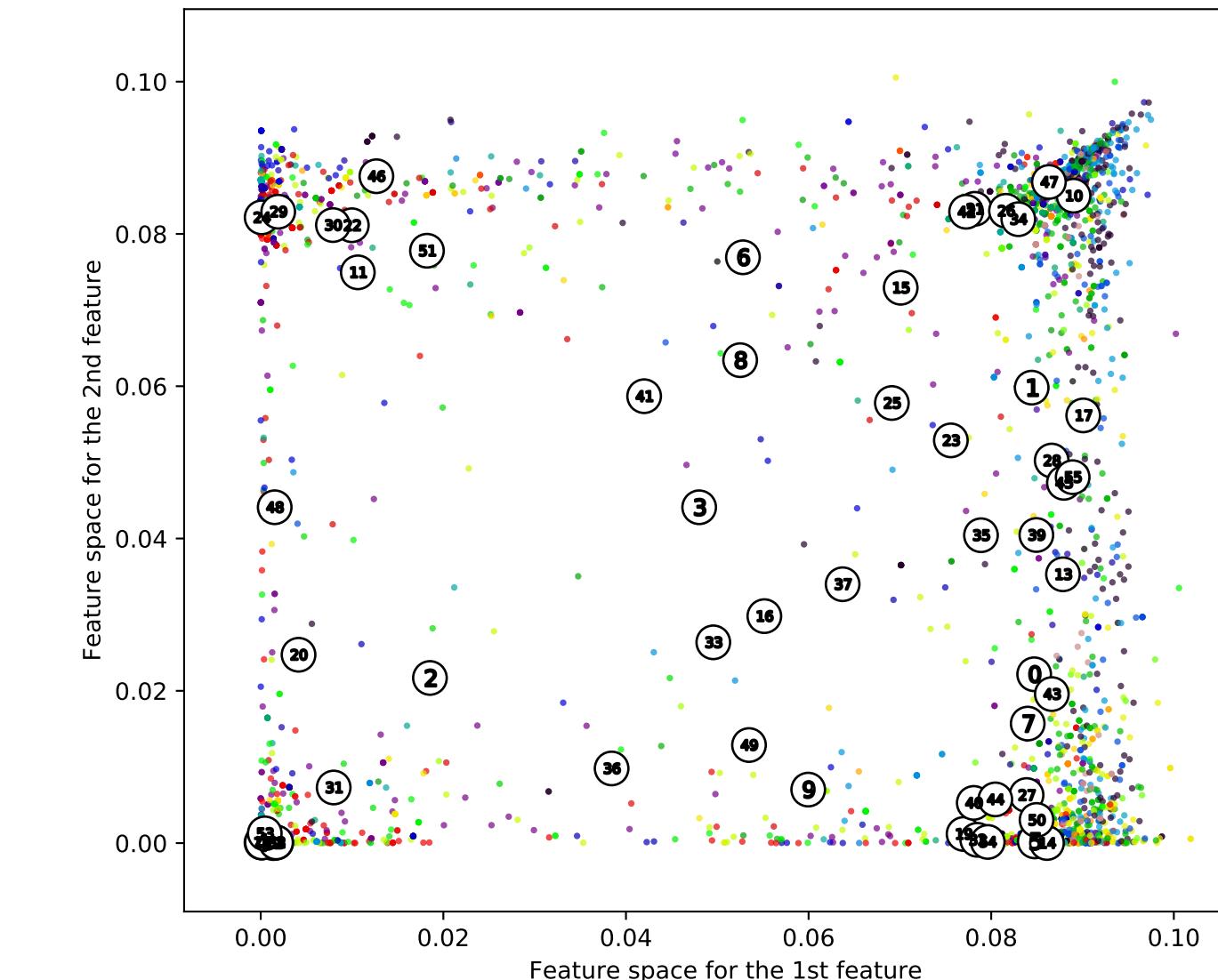


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 56 with Average Silhouette of: 0.3662910461425781

The silhouette plot for the various clusters.

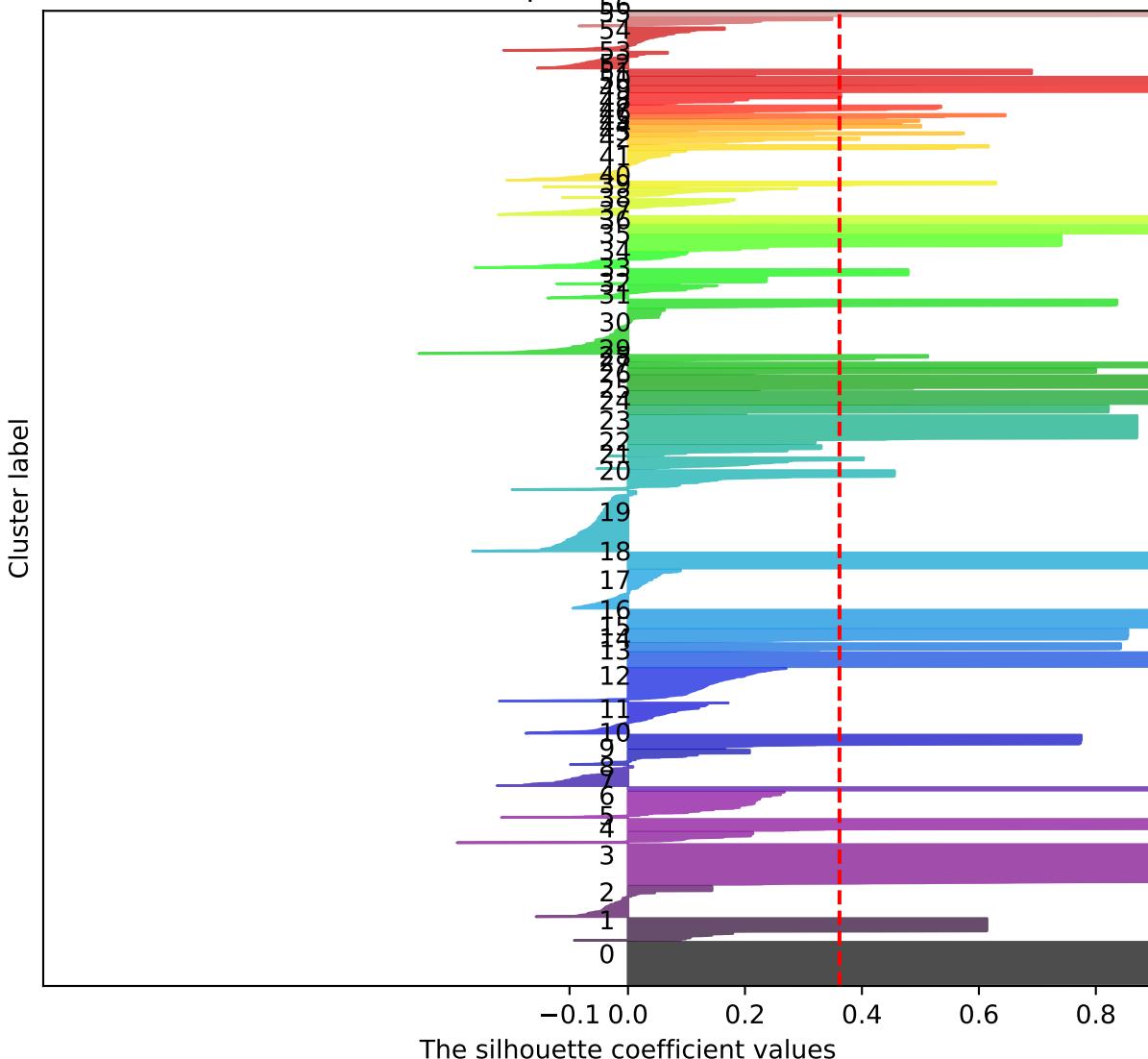


The visualization of the clustered data.

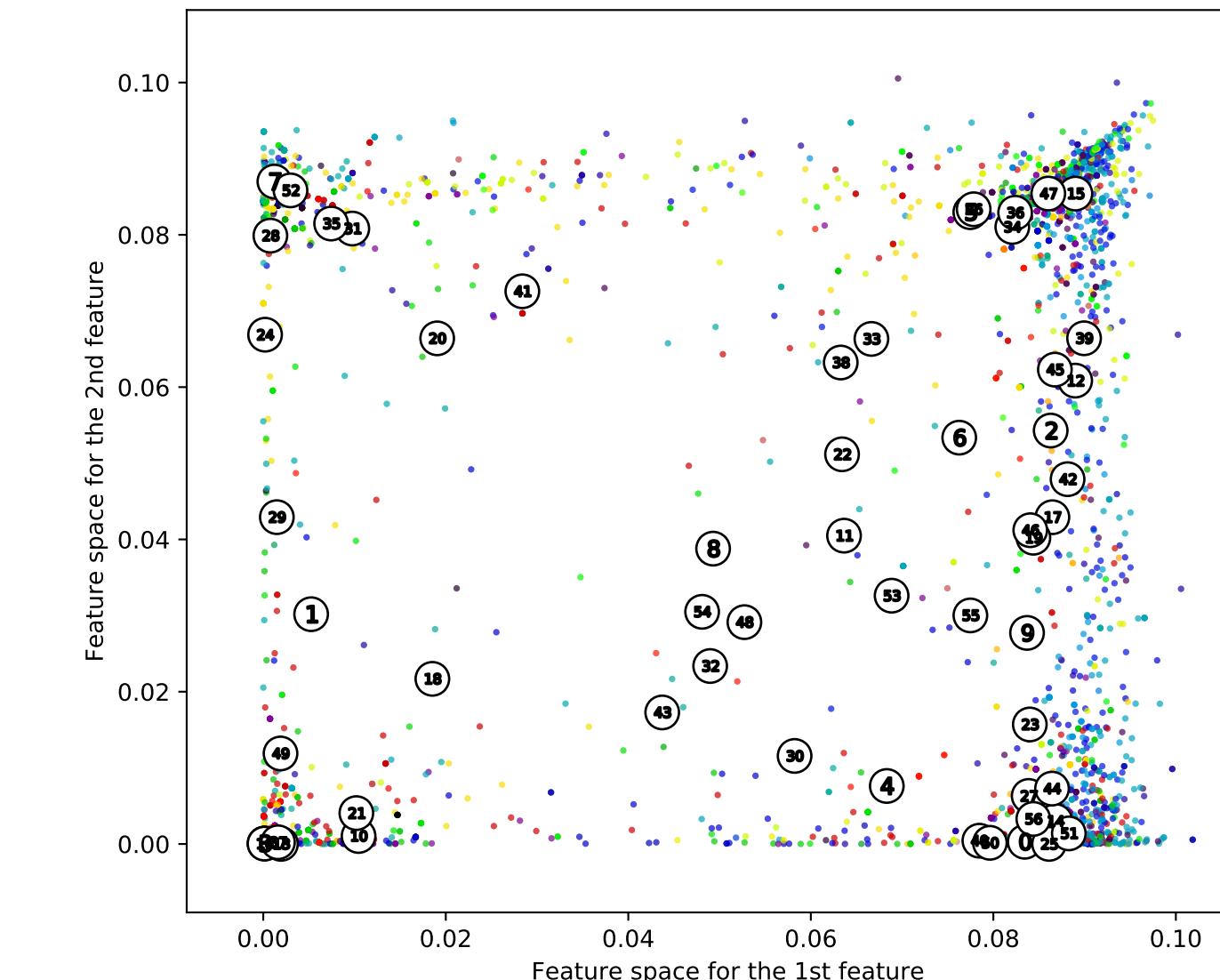


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 57 with Average Silhouette of: 0.3616701662540436

The silhouette plot for the various clusters.

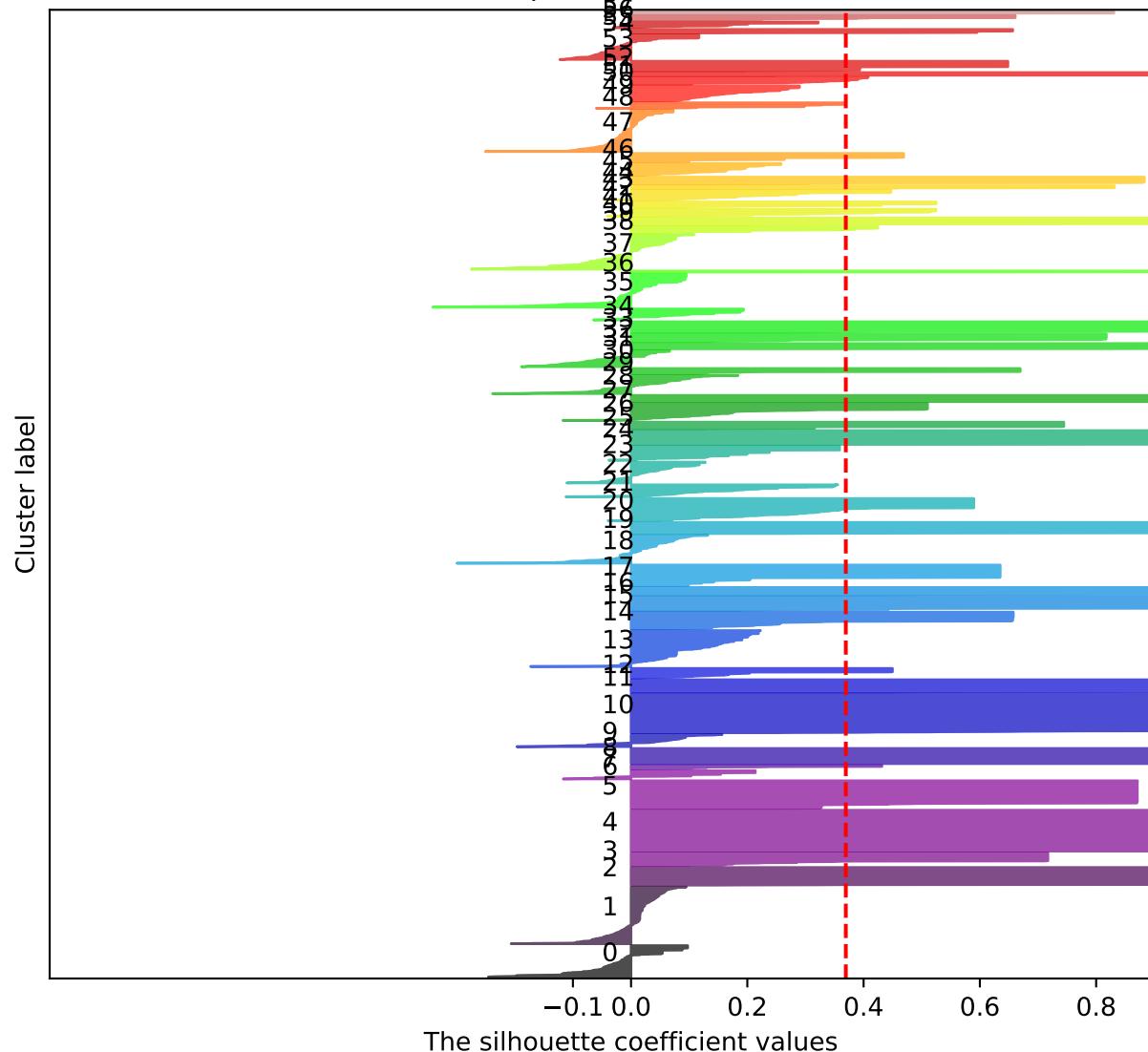


The visualization of the clustered data.

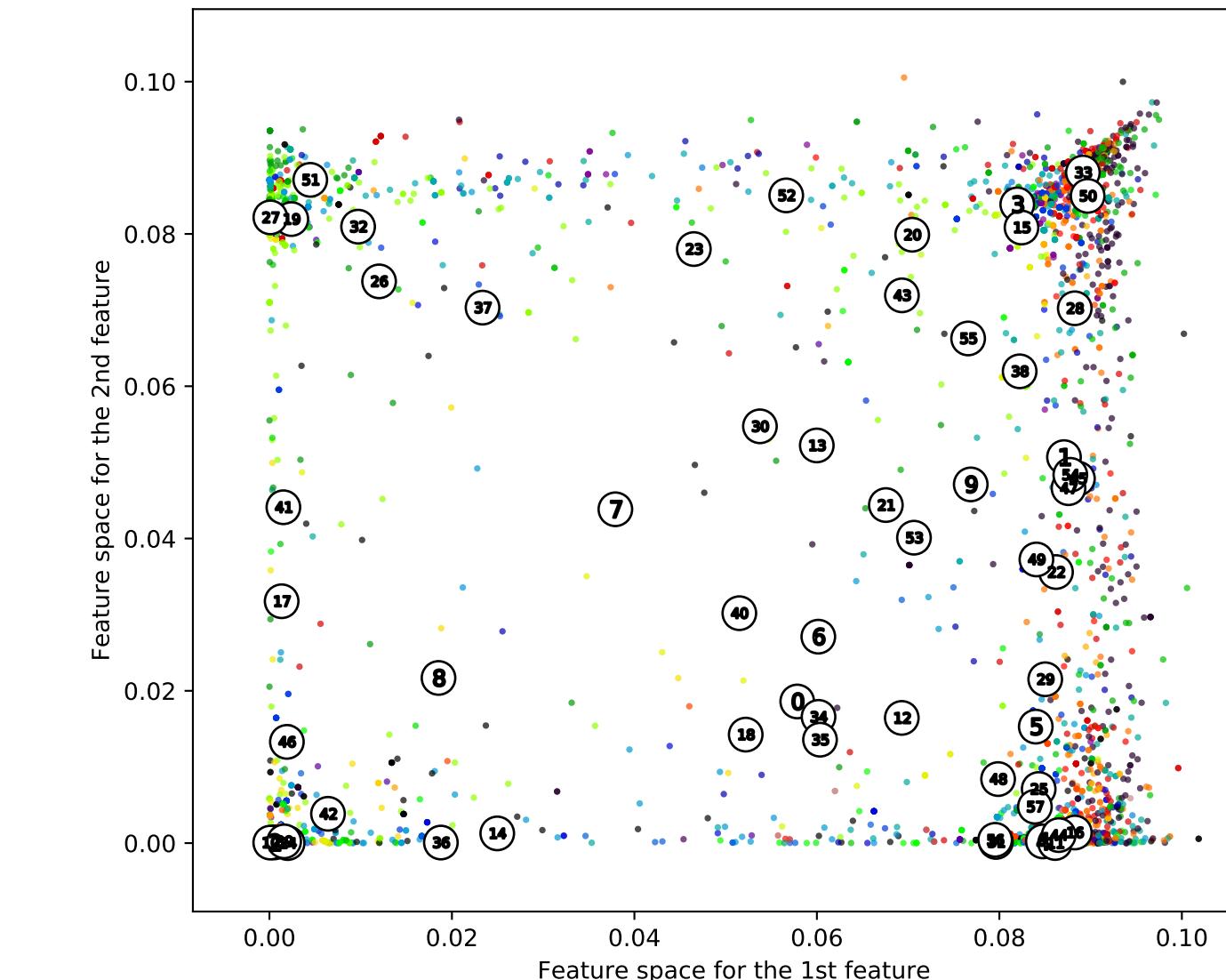


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 58 with Average Silhouette of: 0.36941370368003845

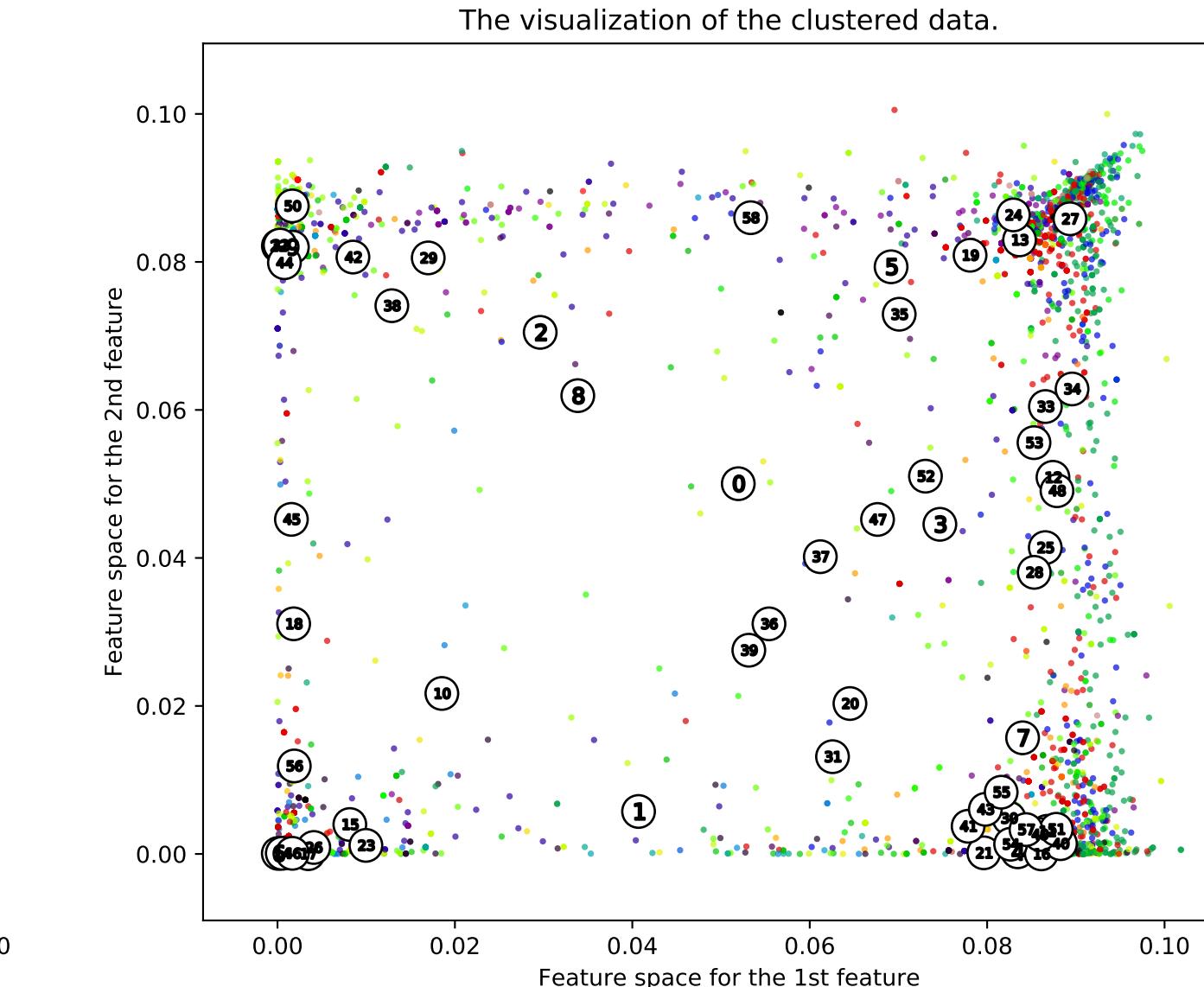
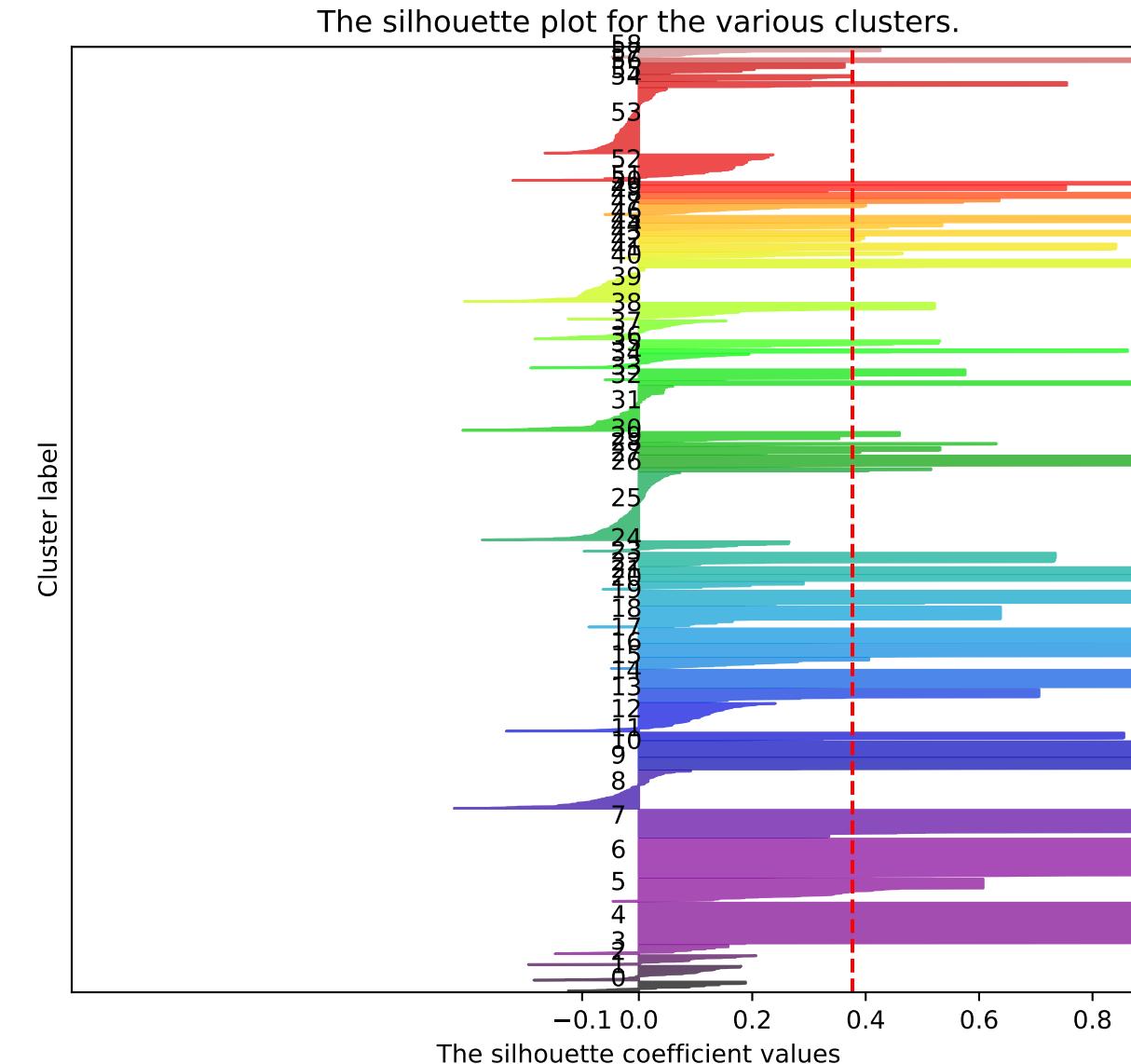
The silhouette plot for the various clusters.



The visualization of the clustered data.

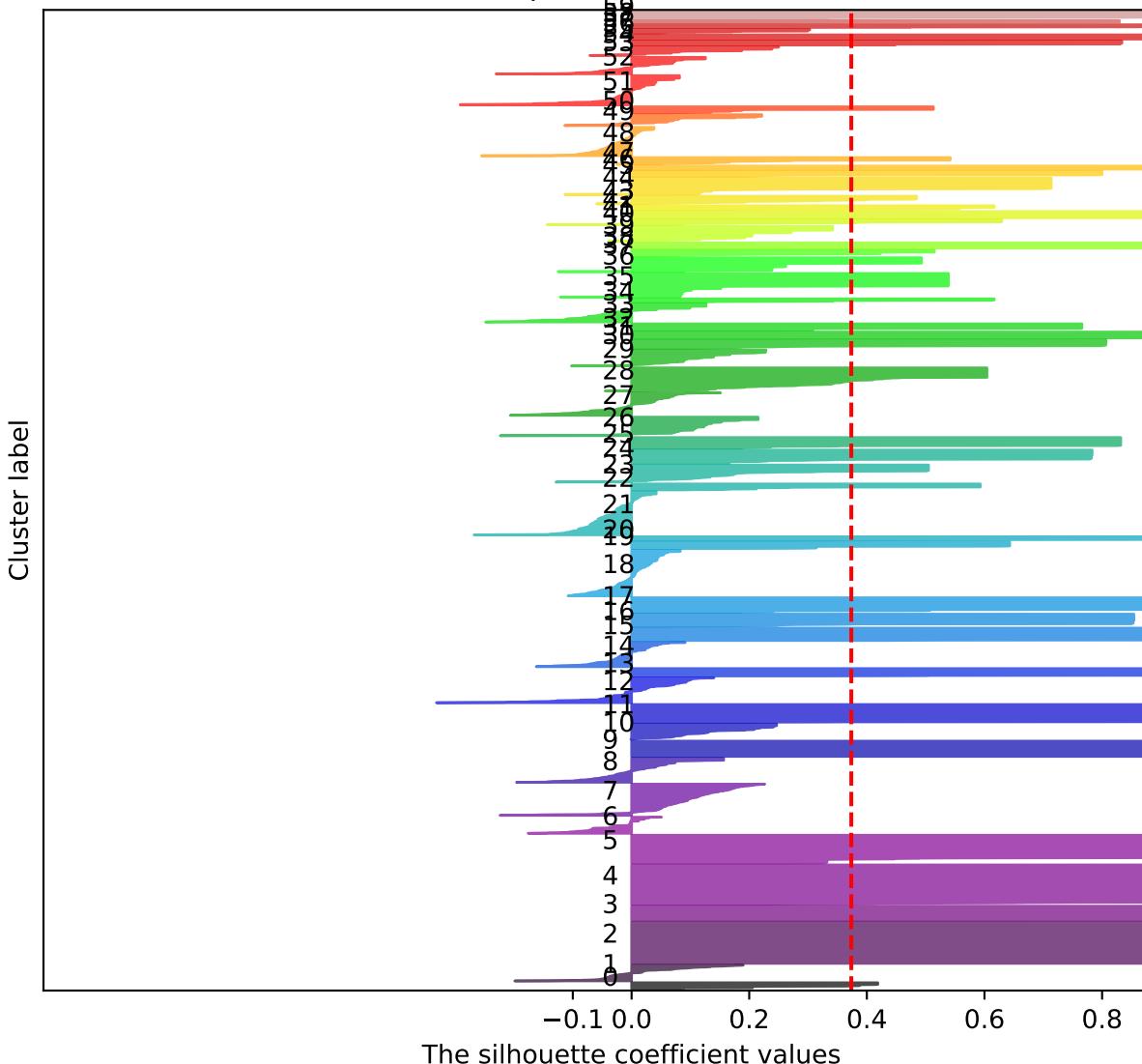


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 59 with Average Silhouette of: 0.3766526877800964

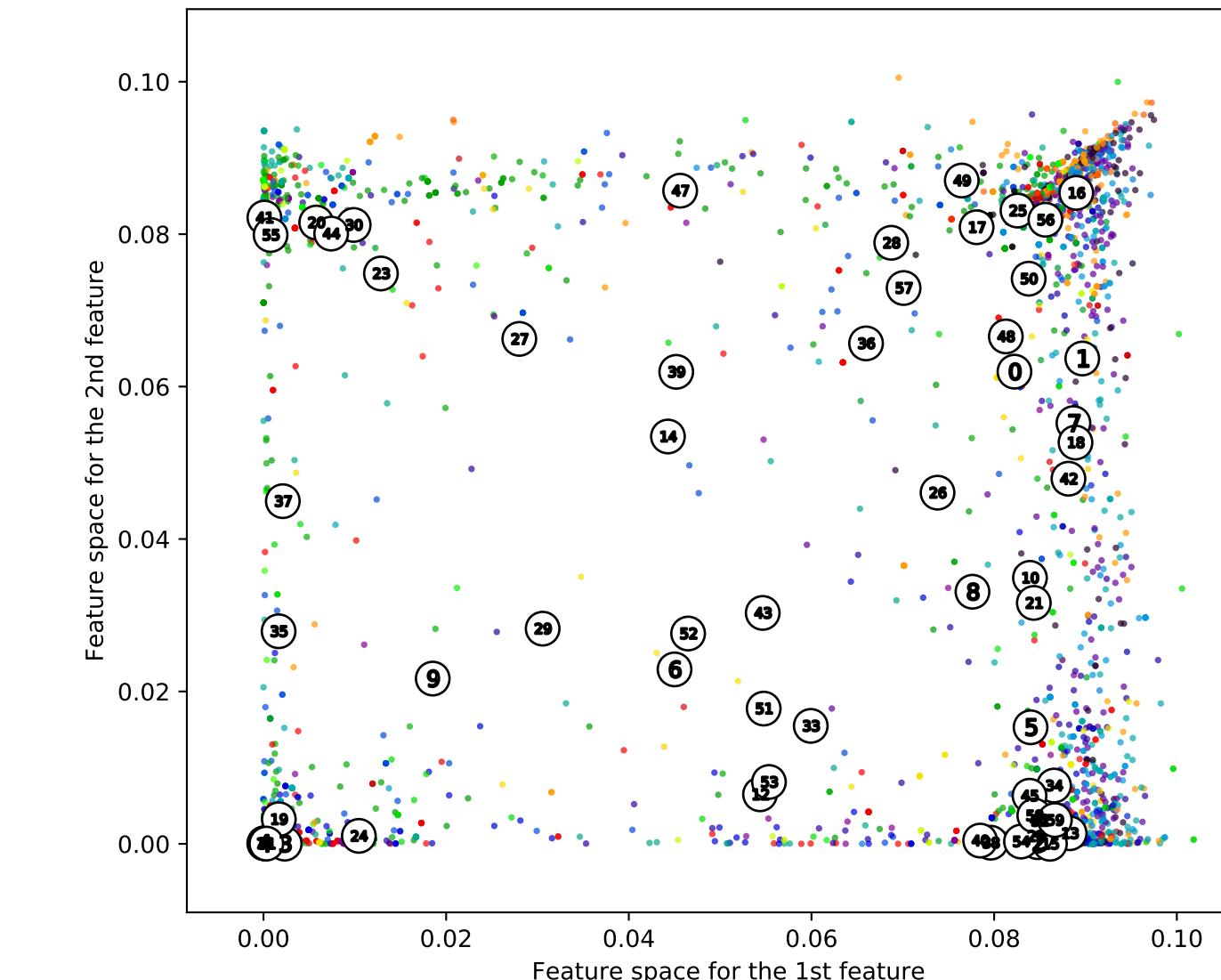


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 60 with Average Silhouette of: 0.3735463321208954

The silhouette plot for the various clusters.

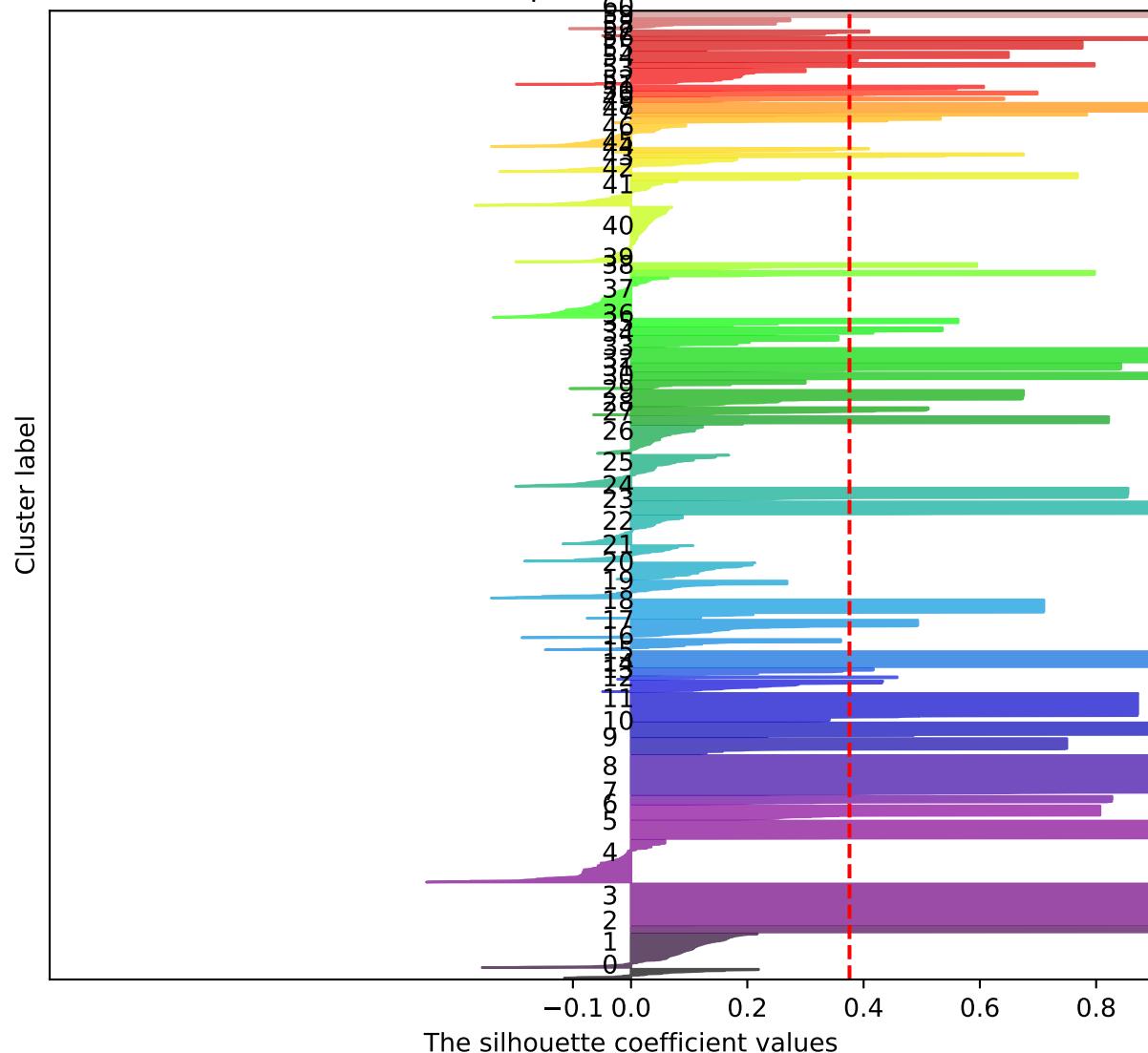


The visualization of the clustered data.

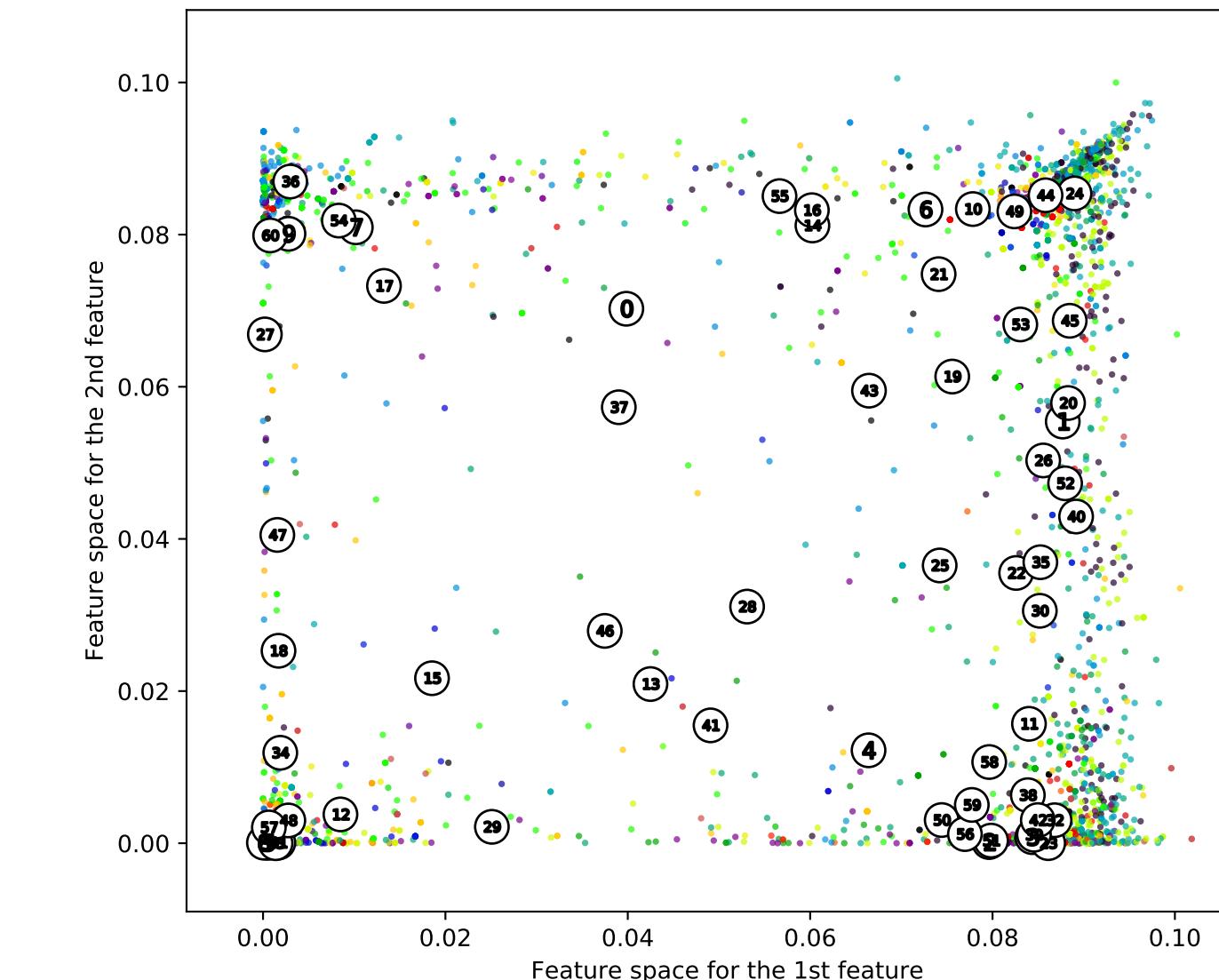


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 61 with Average Silhouette of: 0.37572887539863586

The silhouette plot for the various clusters.

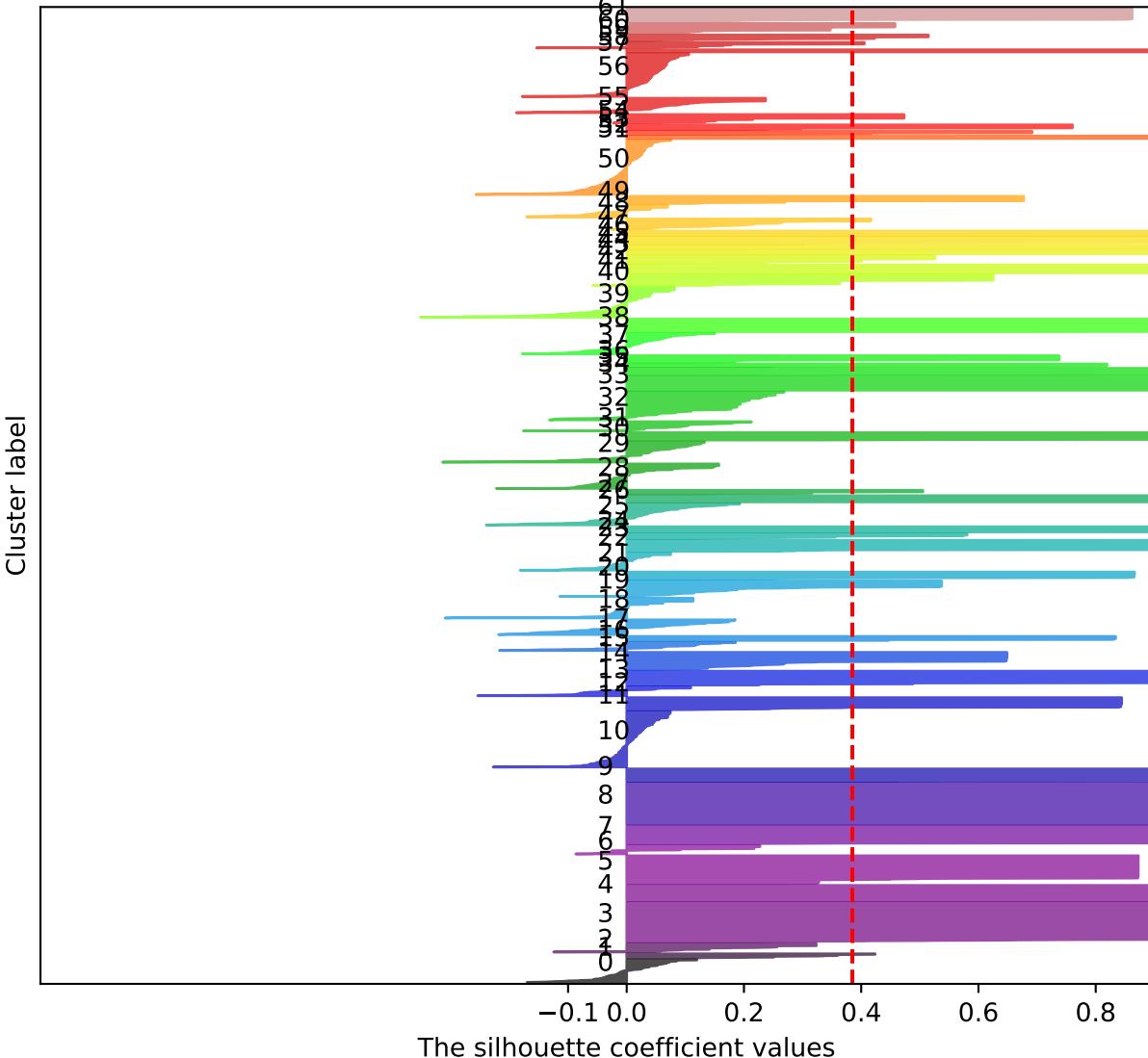


The visualization of the clustered data.

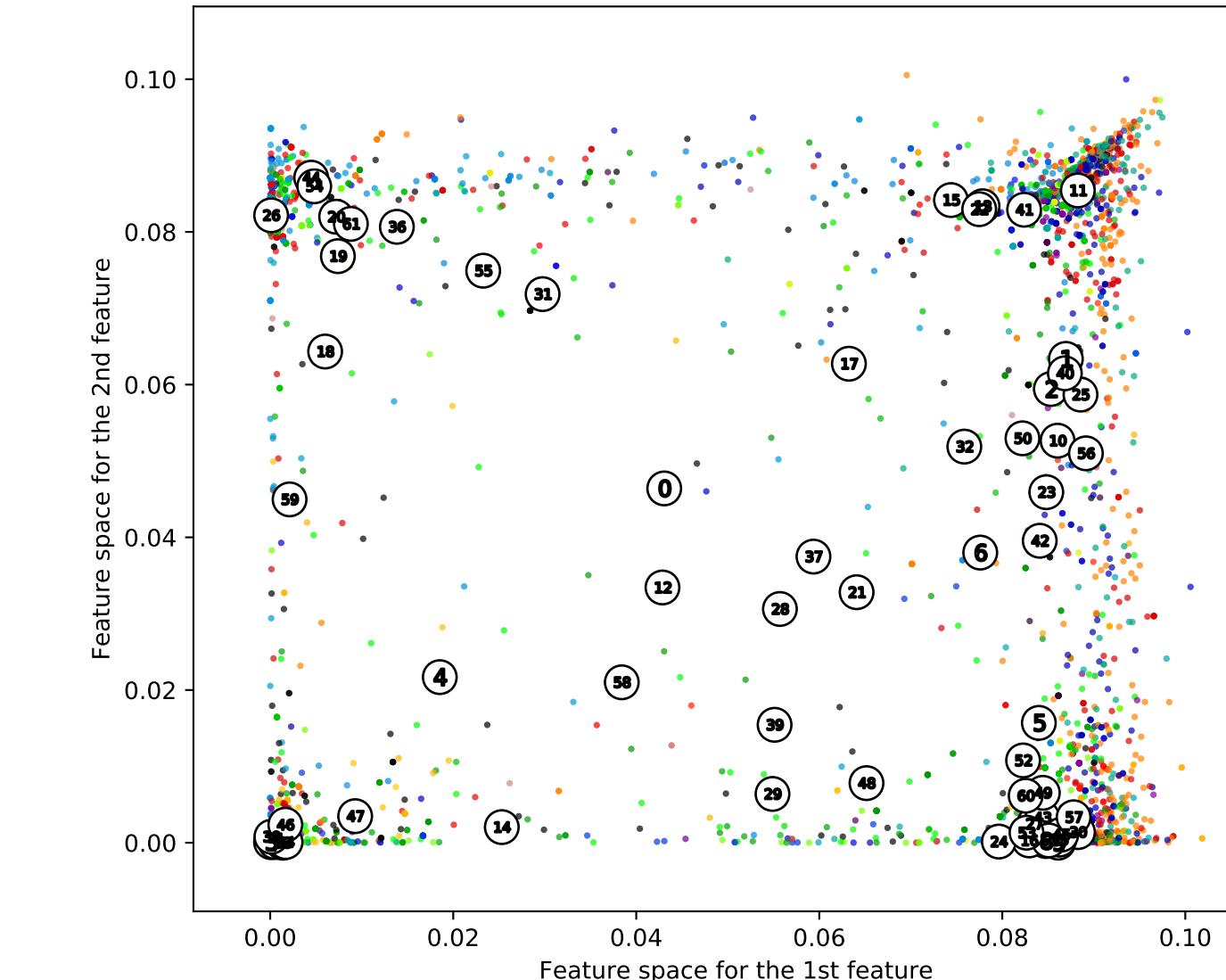


## Silhouette analysis for KMeans clustering on sample data with n\_clusters = 62 with Average Silhouette of: 0.38485878705978394

The silhouette plot for the various clusters

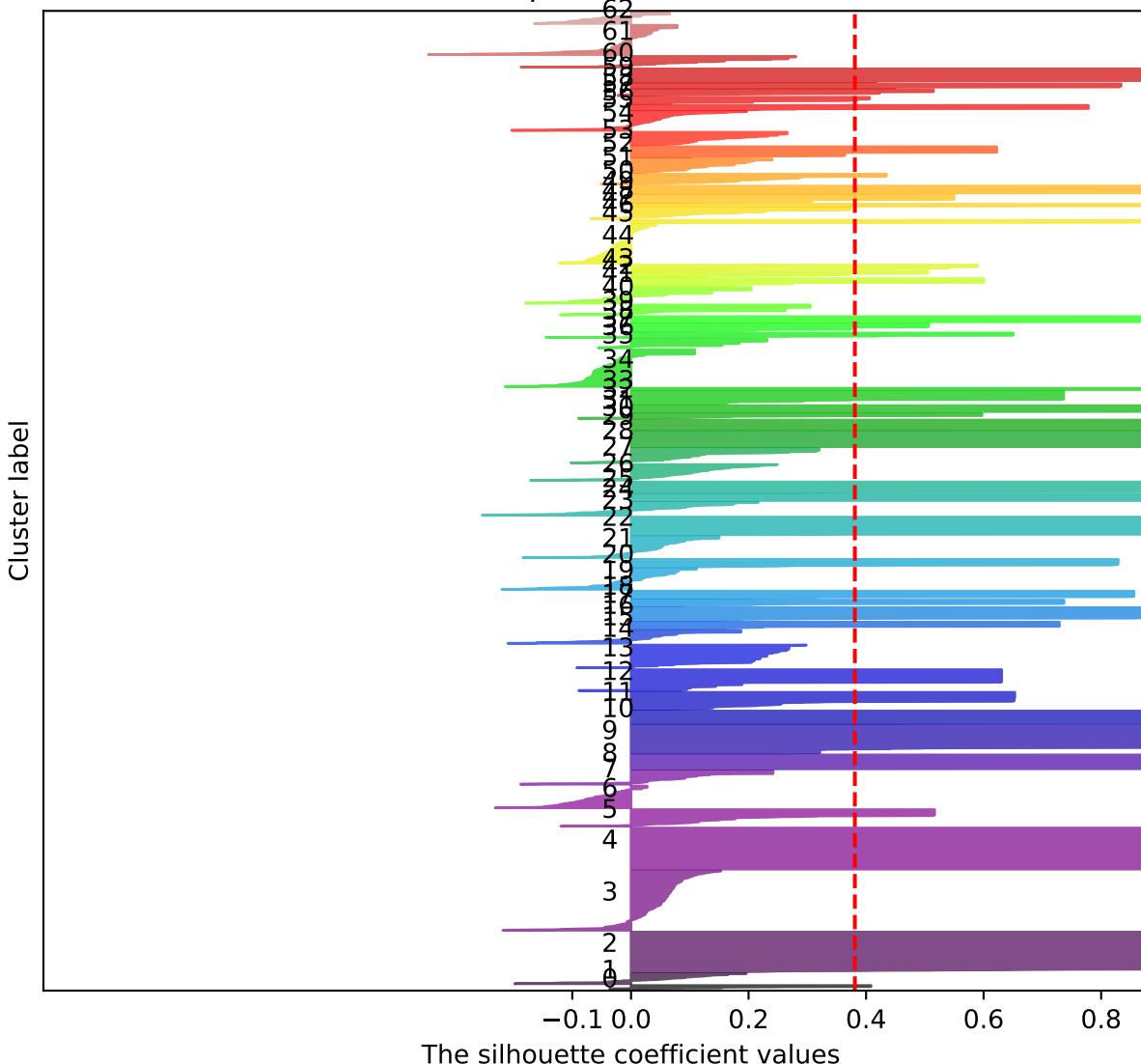


## The visualization of the clustered data

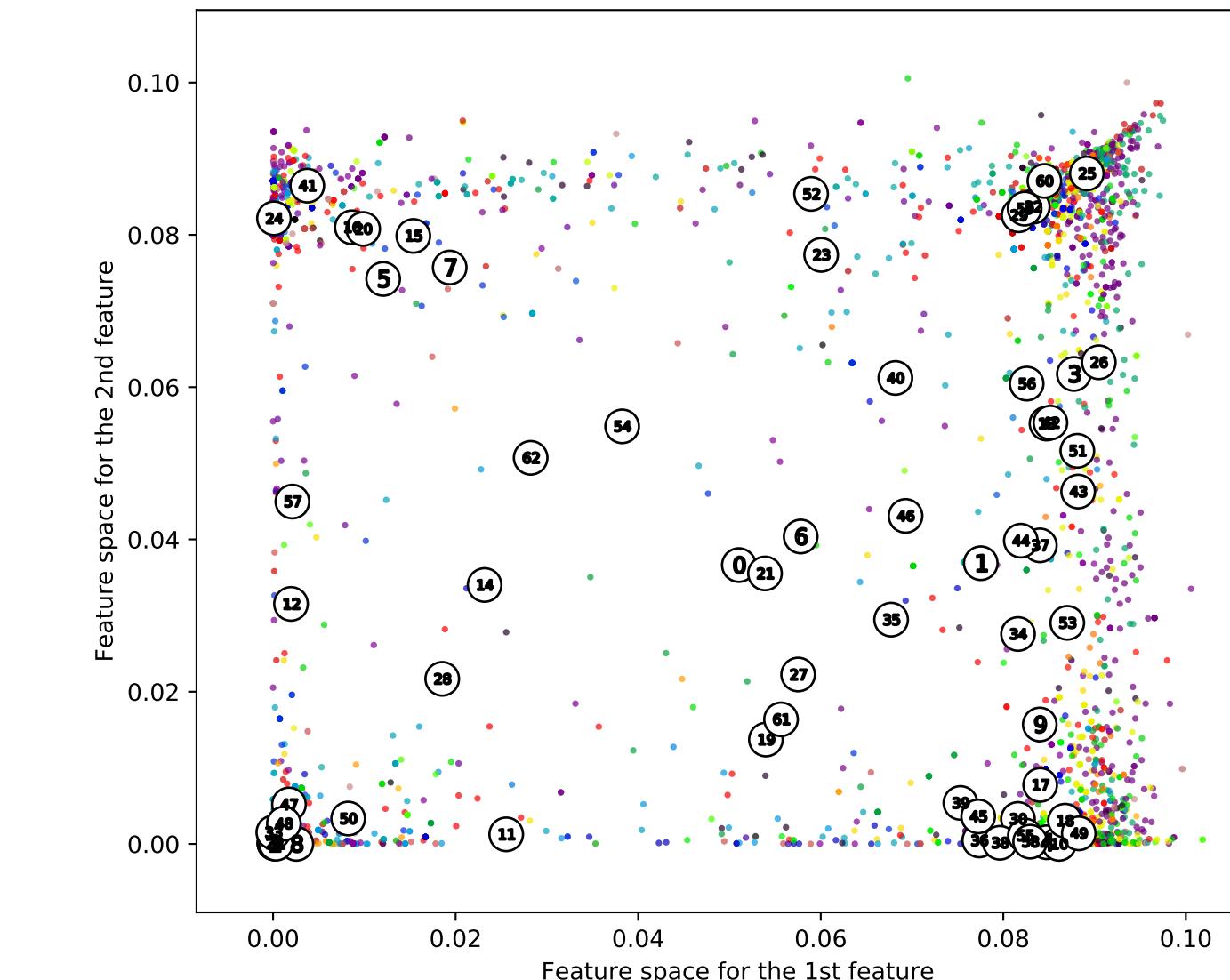


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 63 with Average Silhouette of: 0.3808889091014862

The silhouette plot for the various clusters.

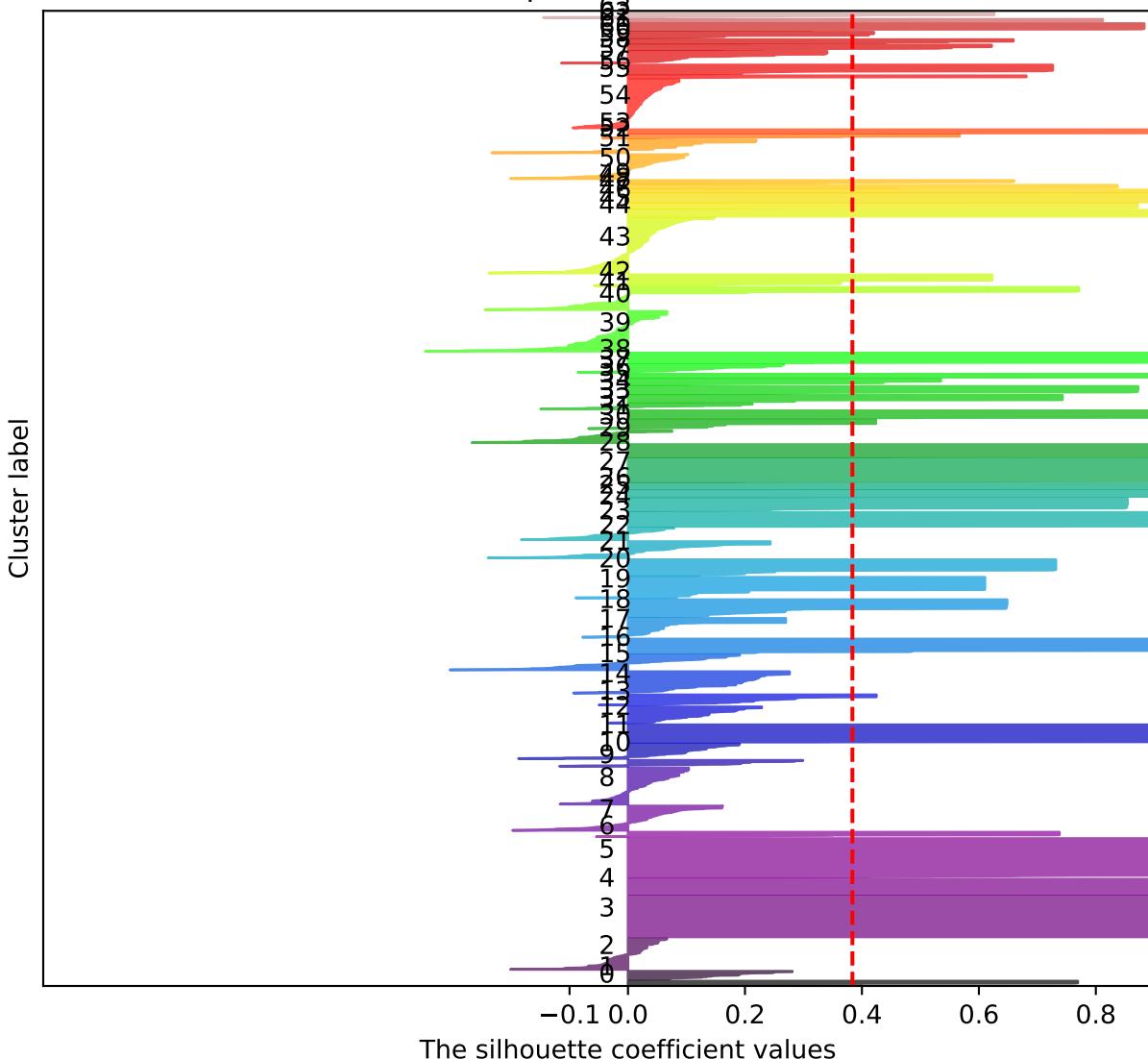


The visualization of the clustered data.

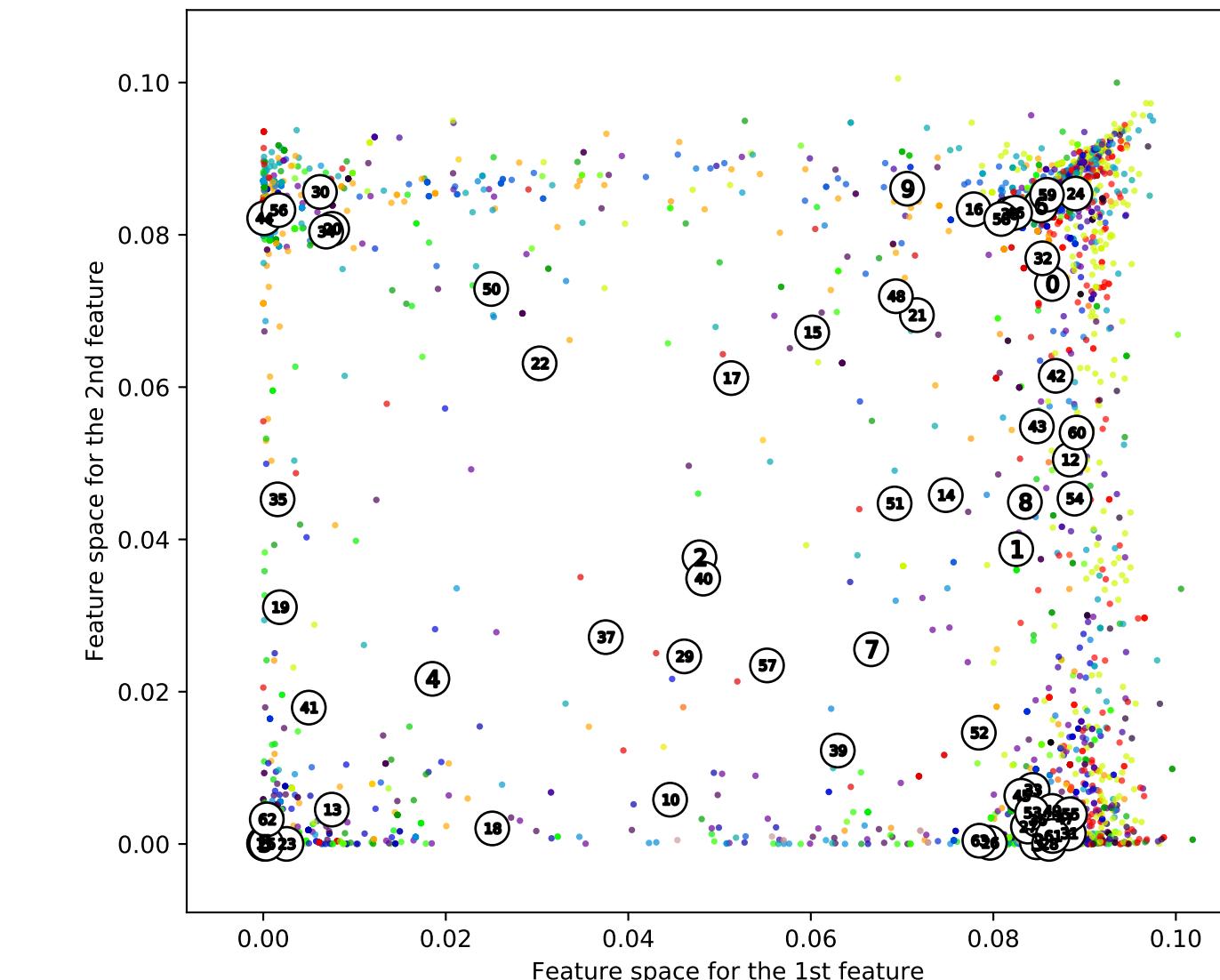


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 64 with Average Silhouette of: 0.3836718201637268

The silhouette plot for the various clusters.

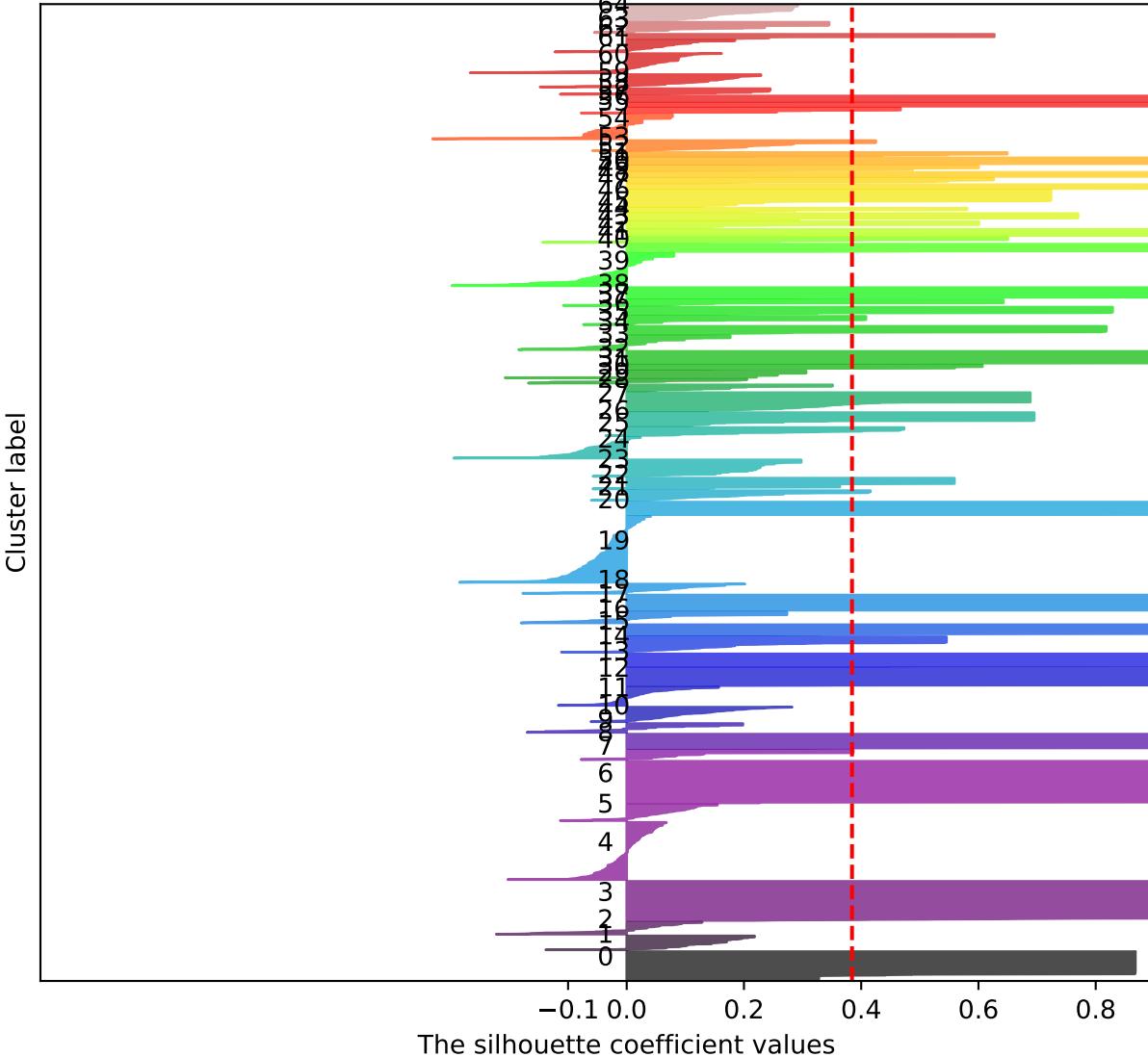


The visualization of the clustered data.

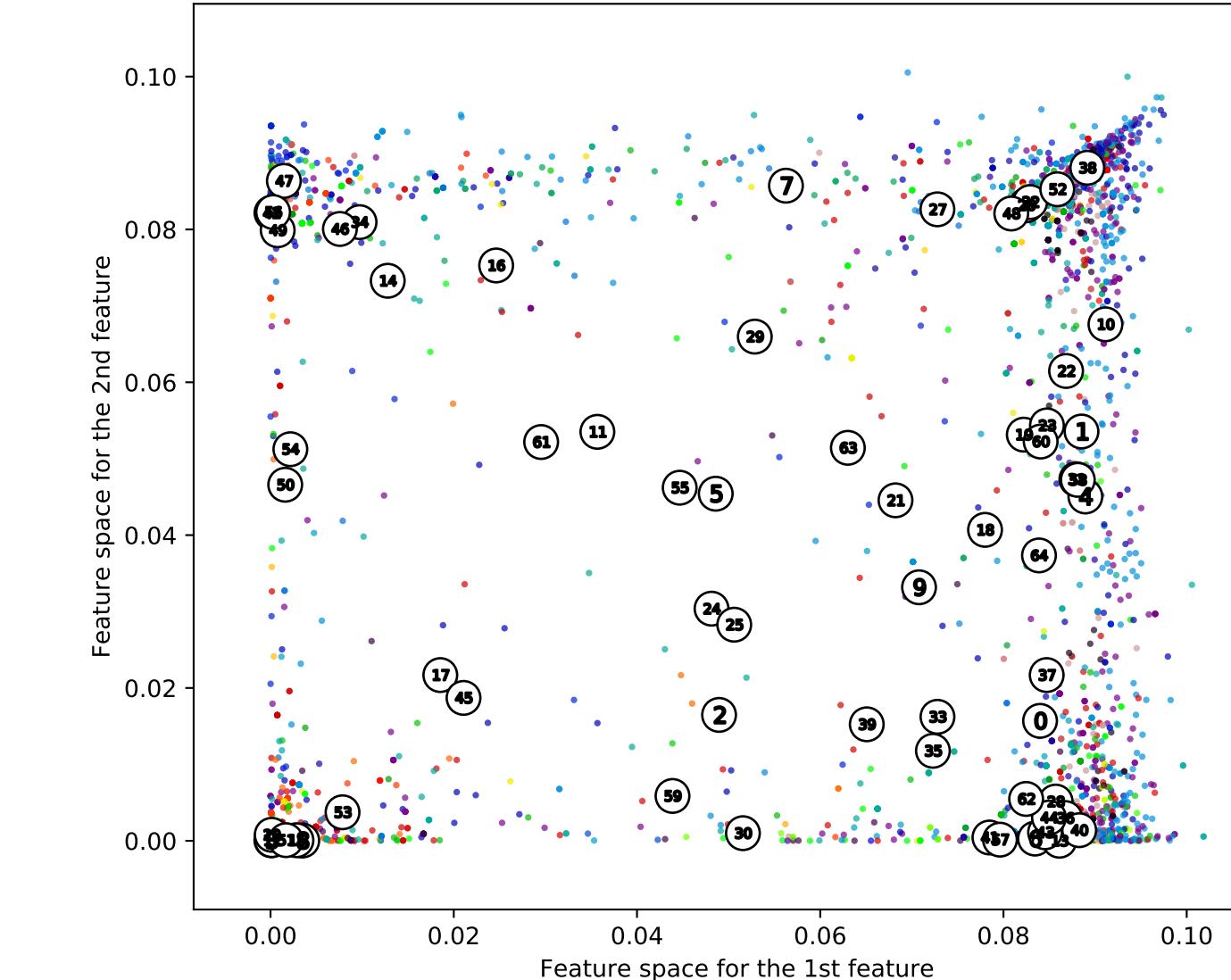


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 65 with Average Silhouette of: 0.38435783982276917**

## The silhouette plot for the various clusters

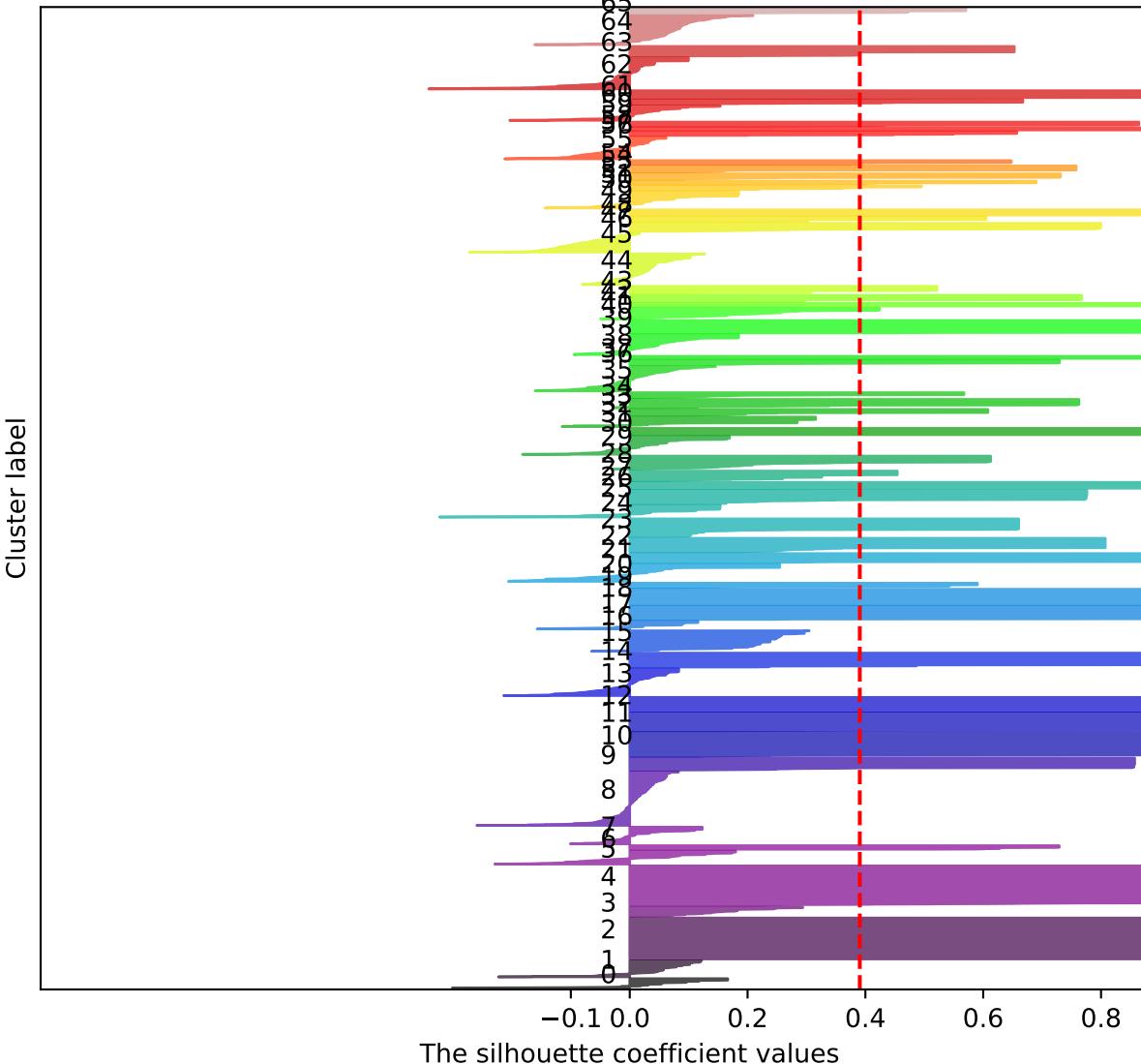


## The visualization of the clustered data

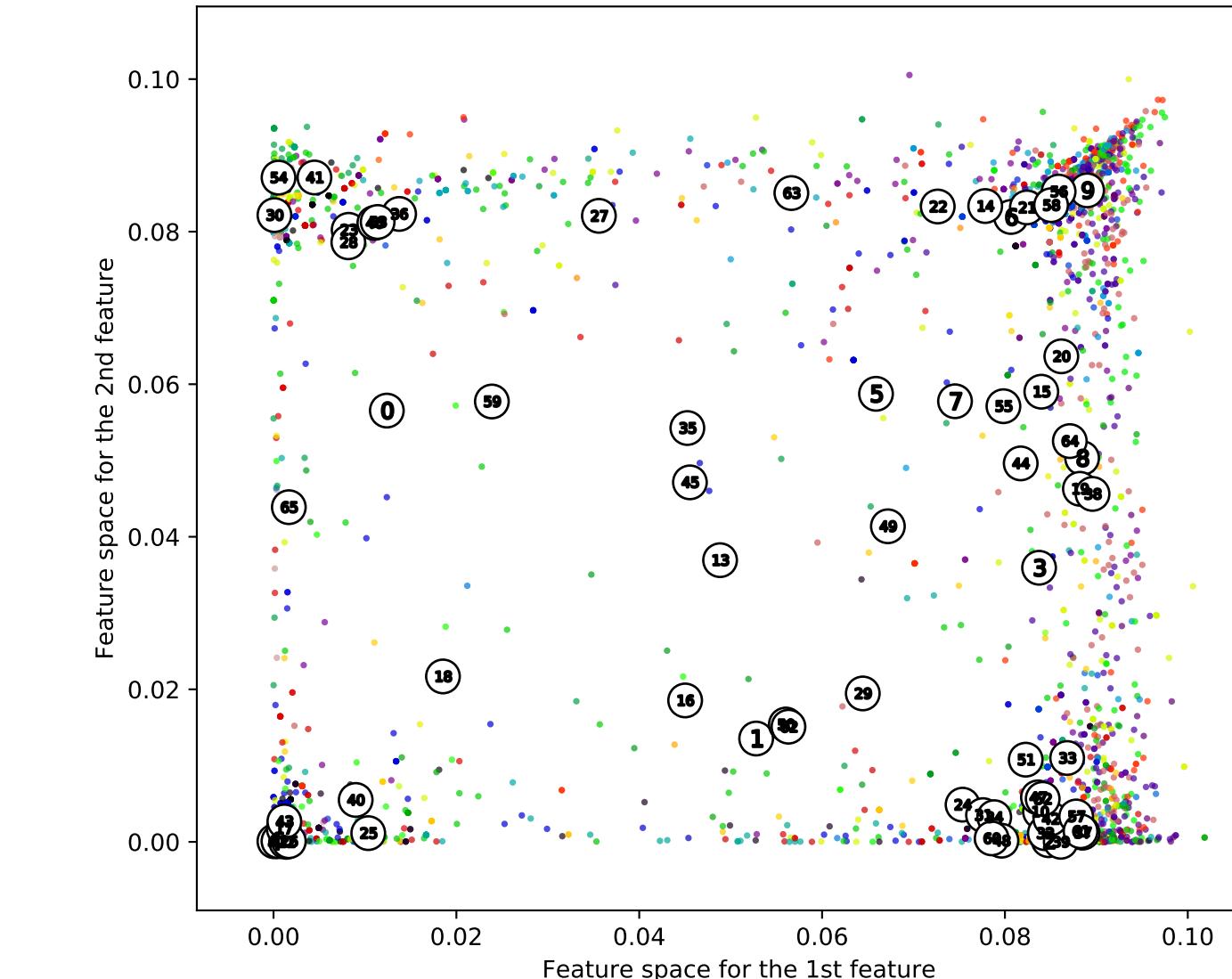


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 66 with Average Silhouette of: 0.39052125811576843**

The silhouette plot for the various clusters

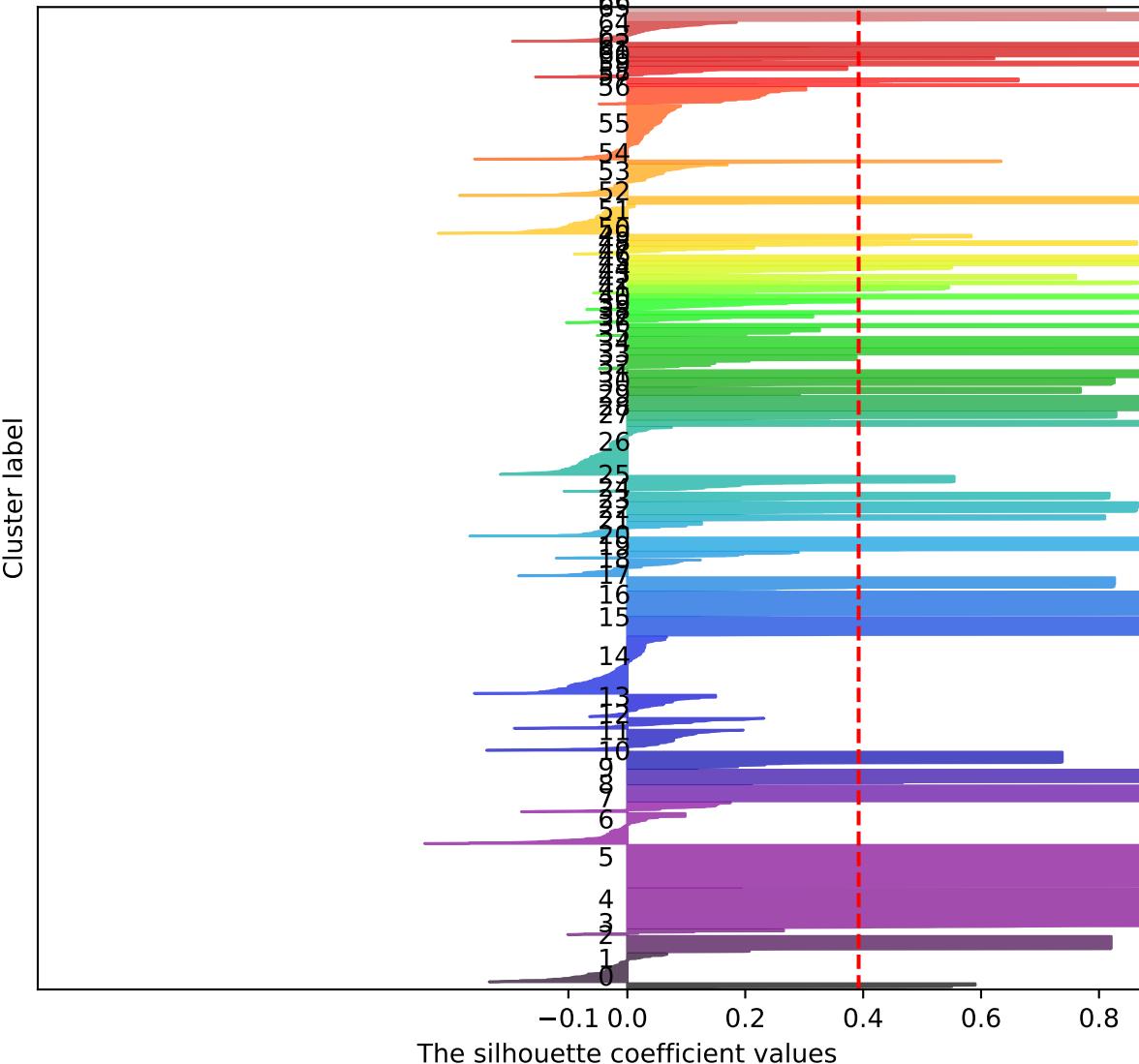


## The visualization of the clustered data

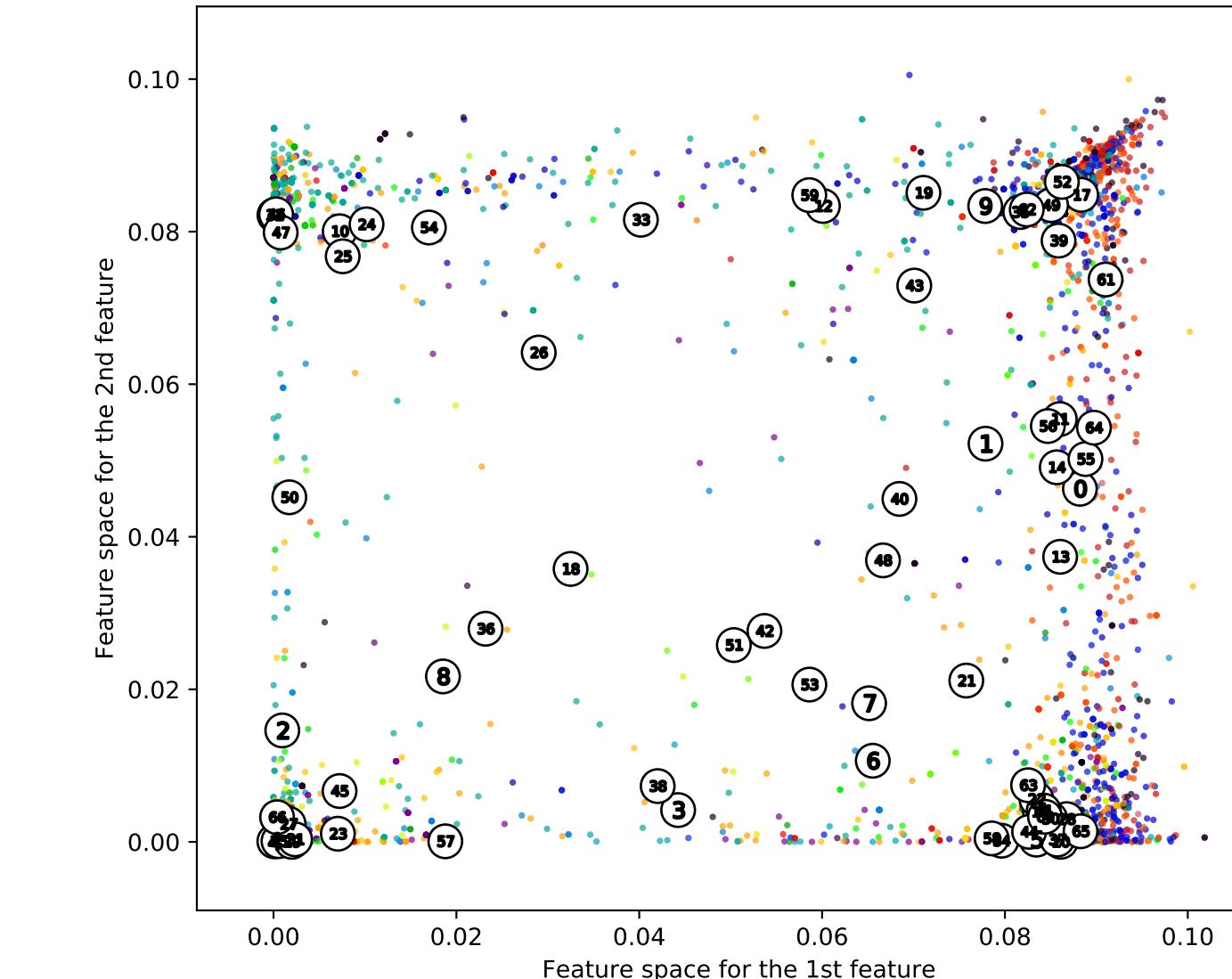


## Silhouette analysis for KMeans clustering on sample data with n\_clusters = 67 with Average Silhouette of: 0.3923521935939789

The silhouette plot for the various clusters

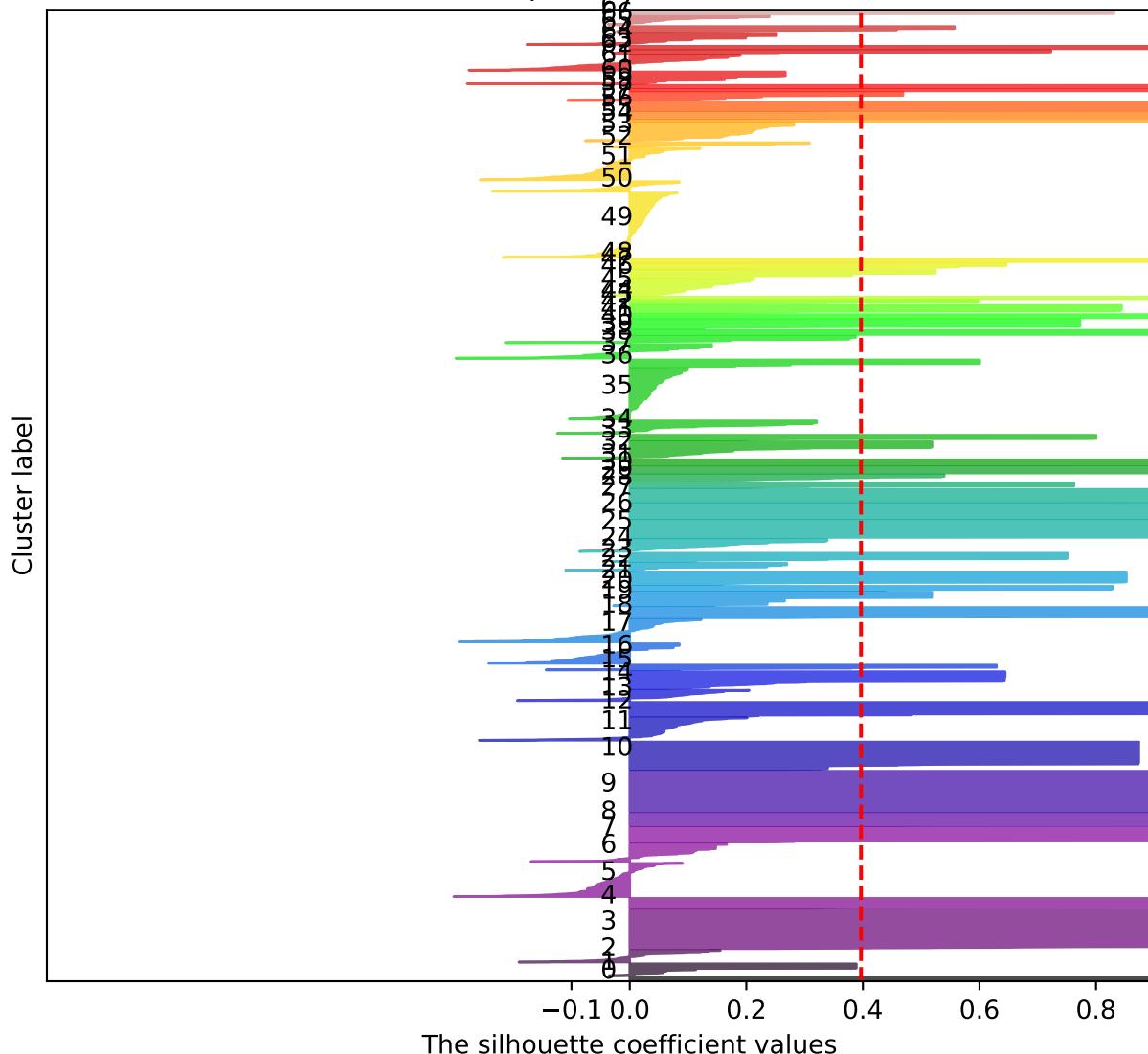


## The visualization of the clustered data

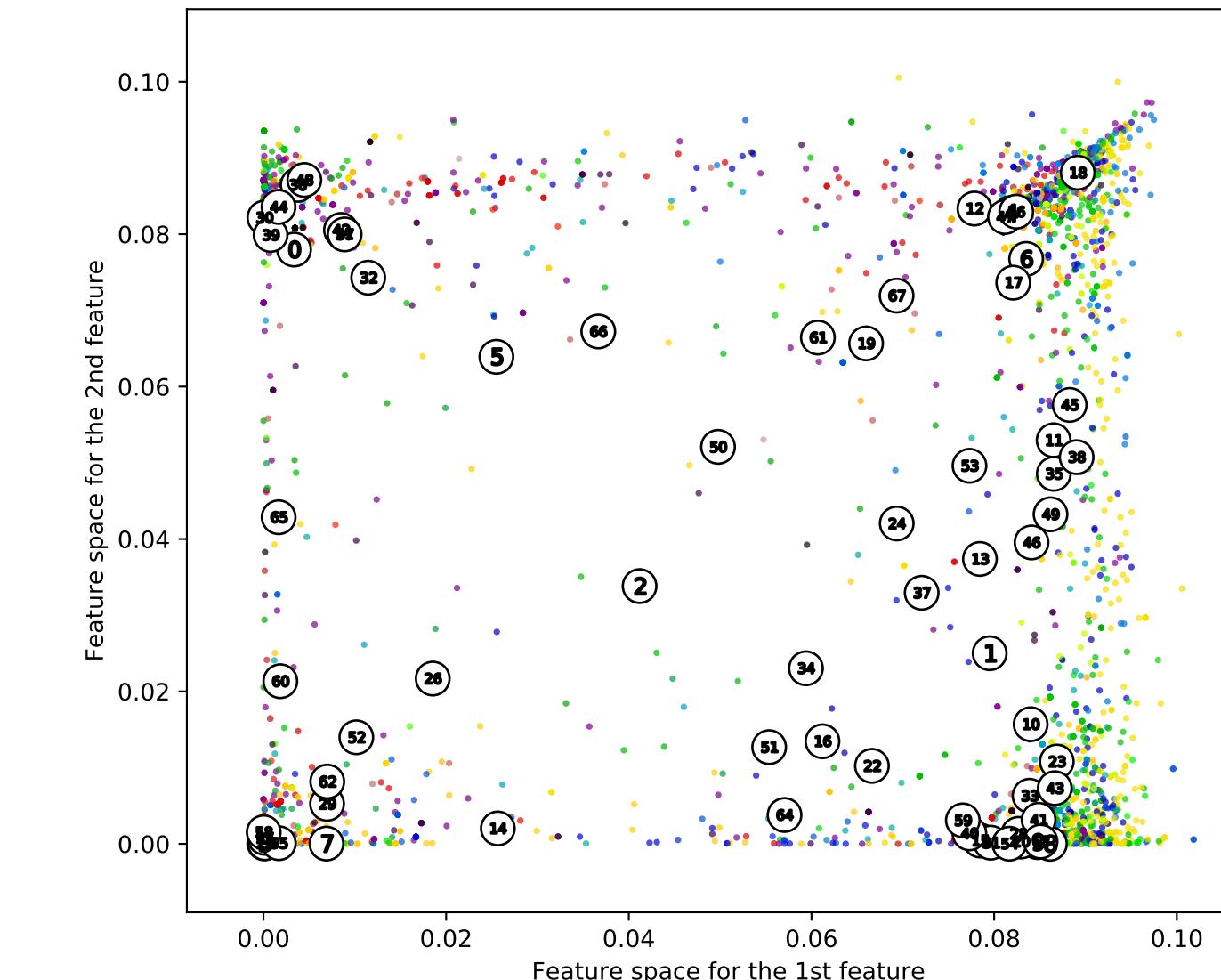


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 68 with Average Silhouette of: 0.3967643976211548

The silhouette plot for the various clusters.

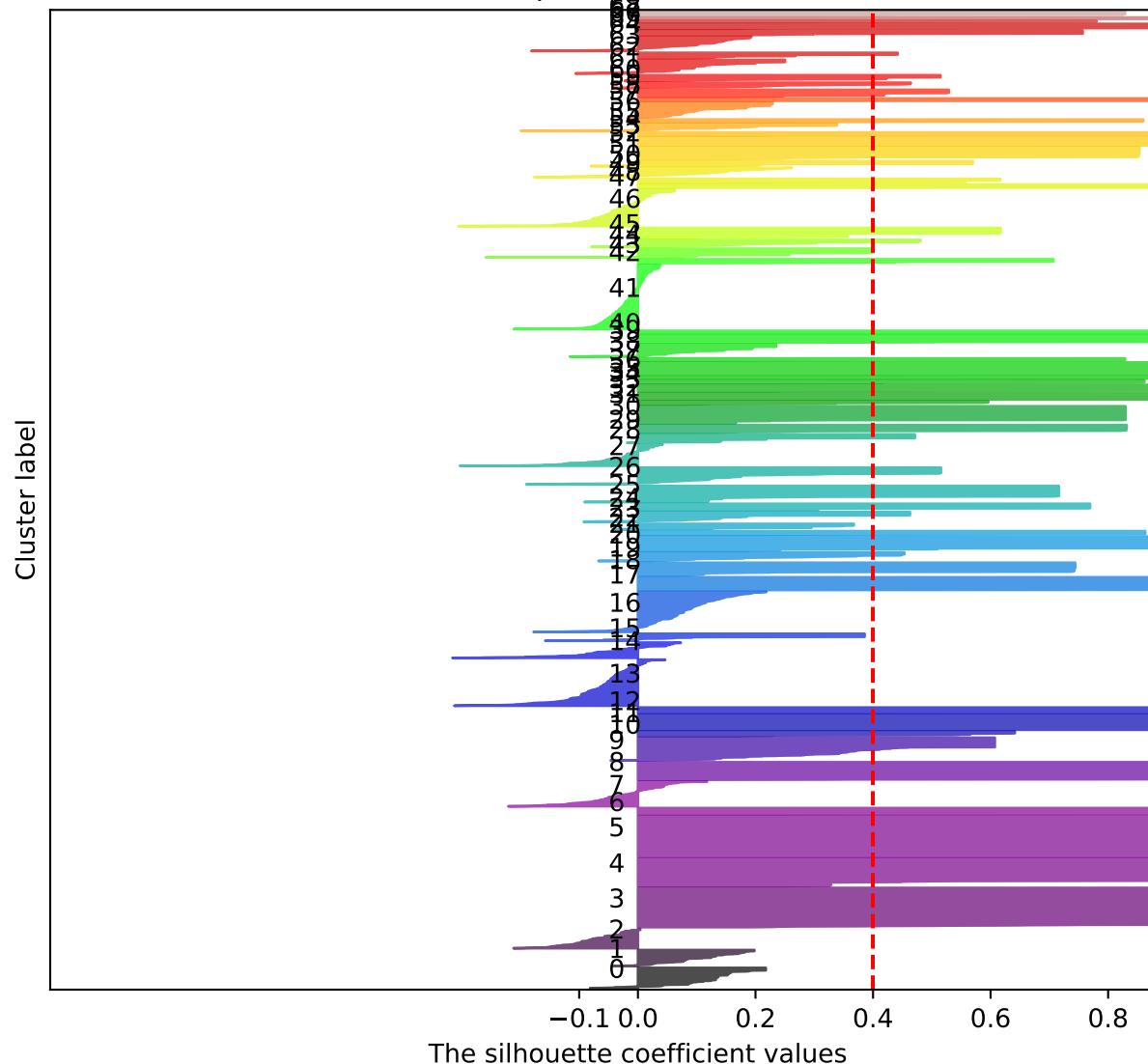


The visualization of the clustered data.

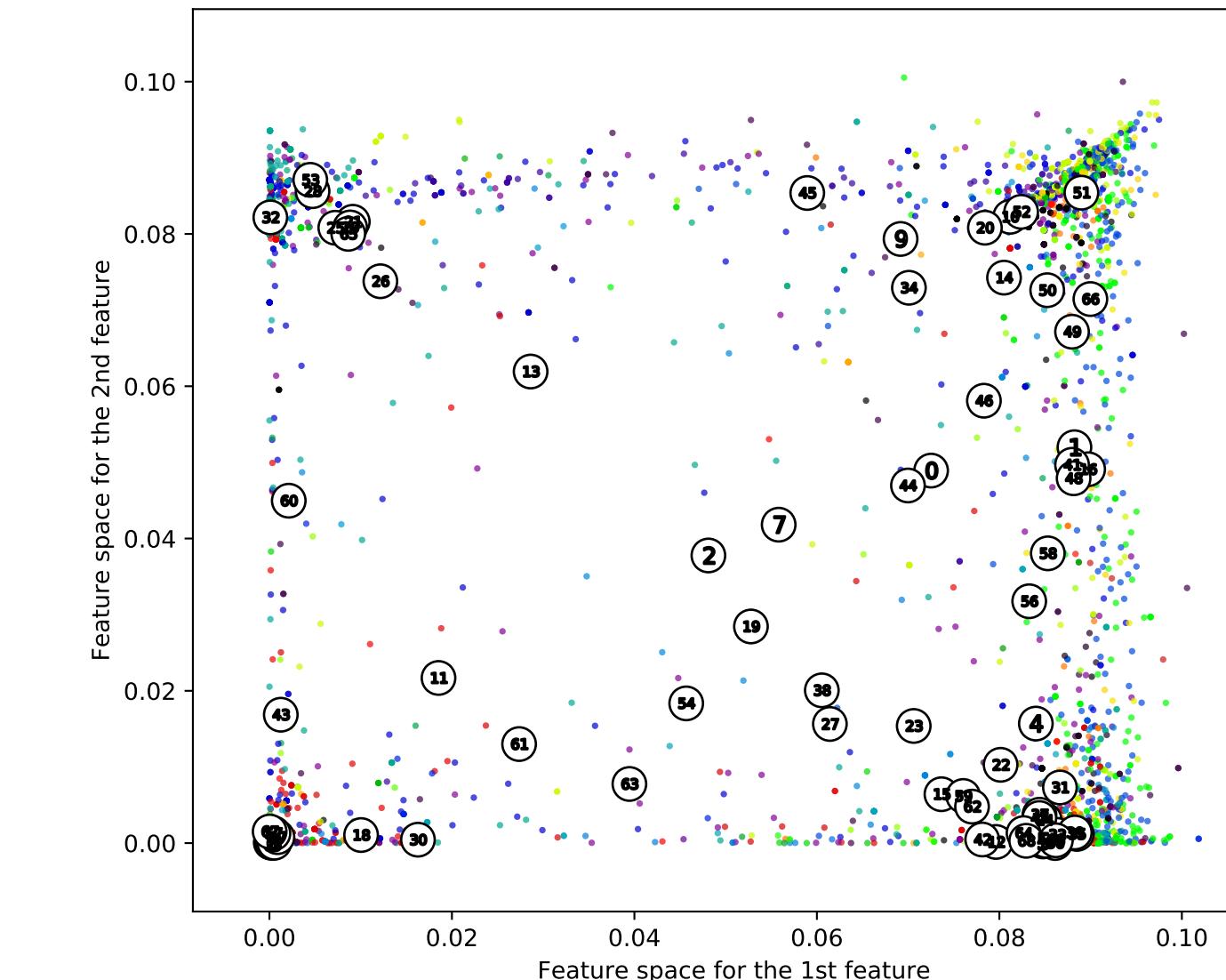


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 69 with Average Silhouette of: 0.3996970057487488

The silhouette plot for the various clusters.

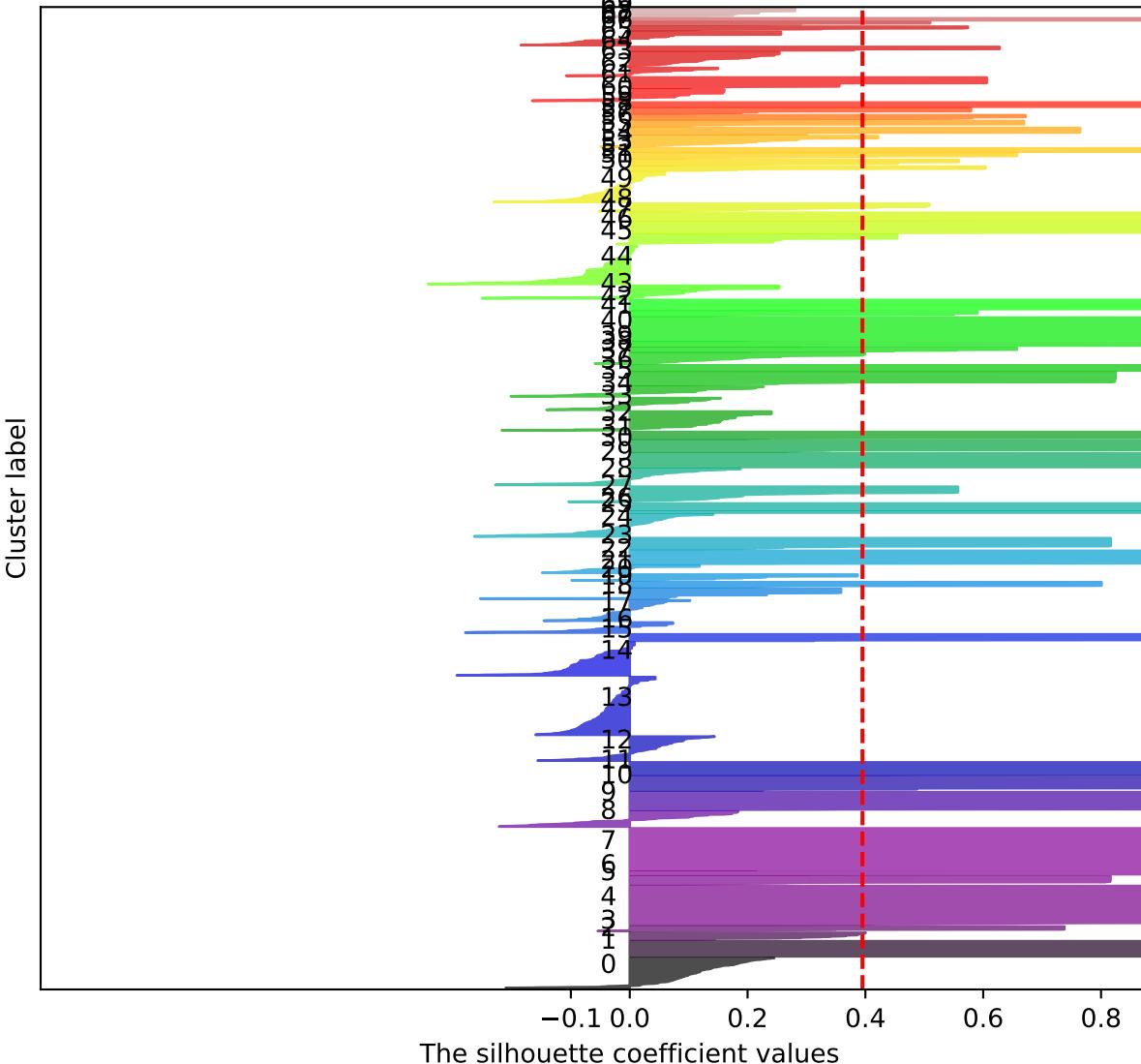


The visualization of the clustered data.

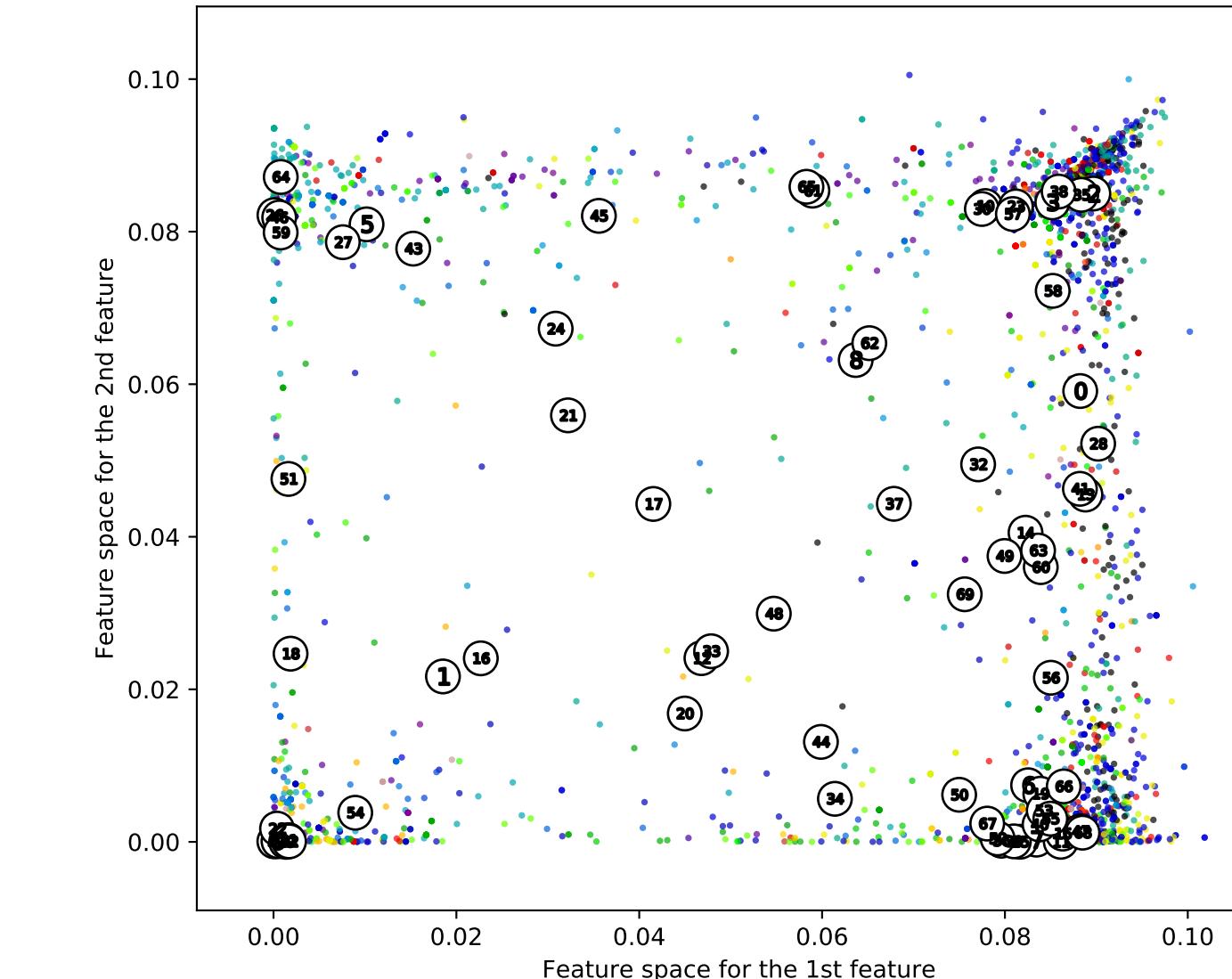


## Silhouette analysis for KMeans clustering on sample data with n\_clusters = 70 with Average Silhouette of: 0.3949861526489258

The silhouette plot for the various clusters

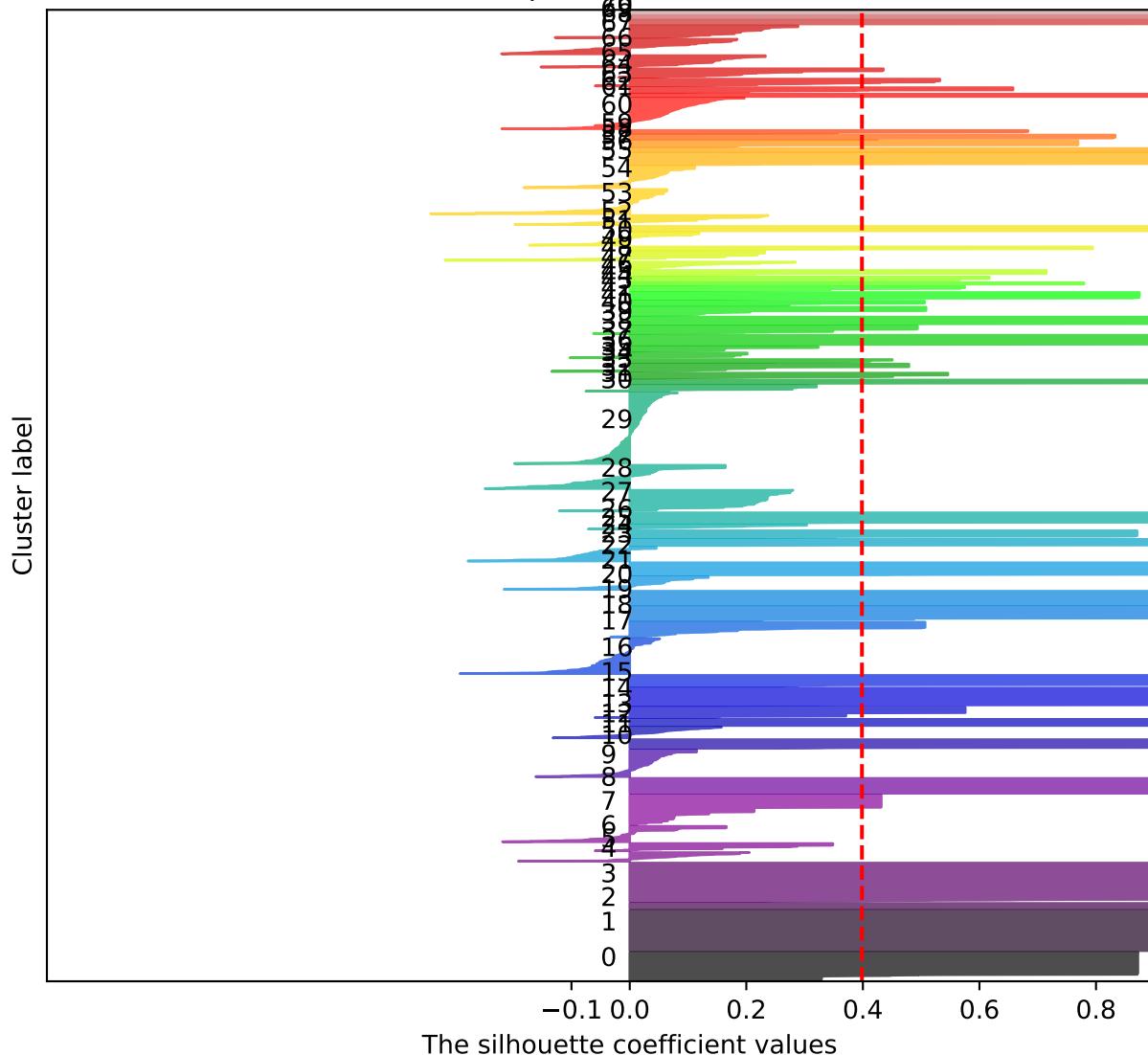


## The visualization of the clustered data

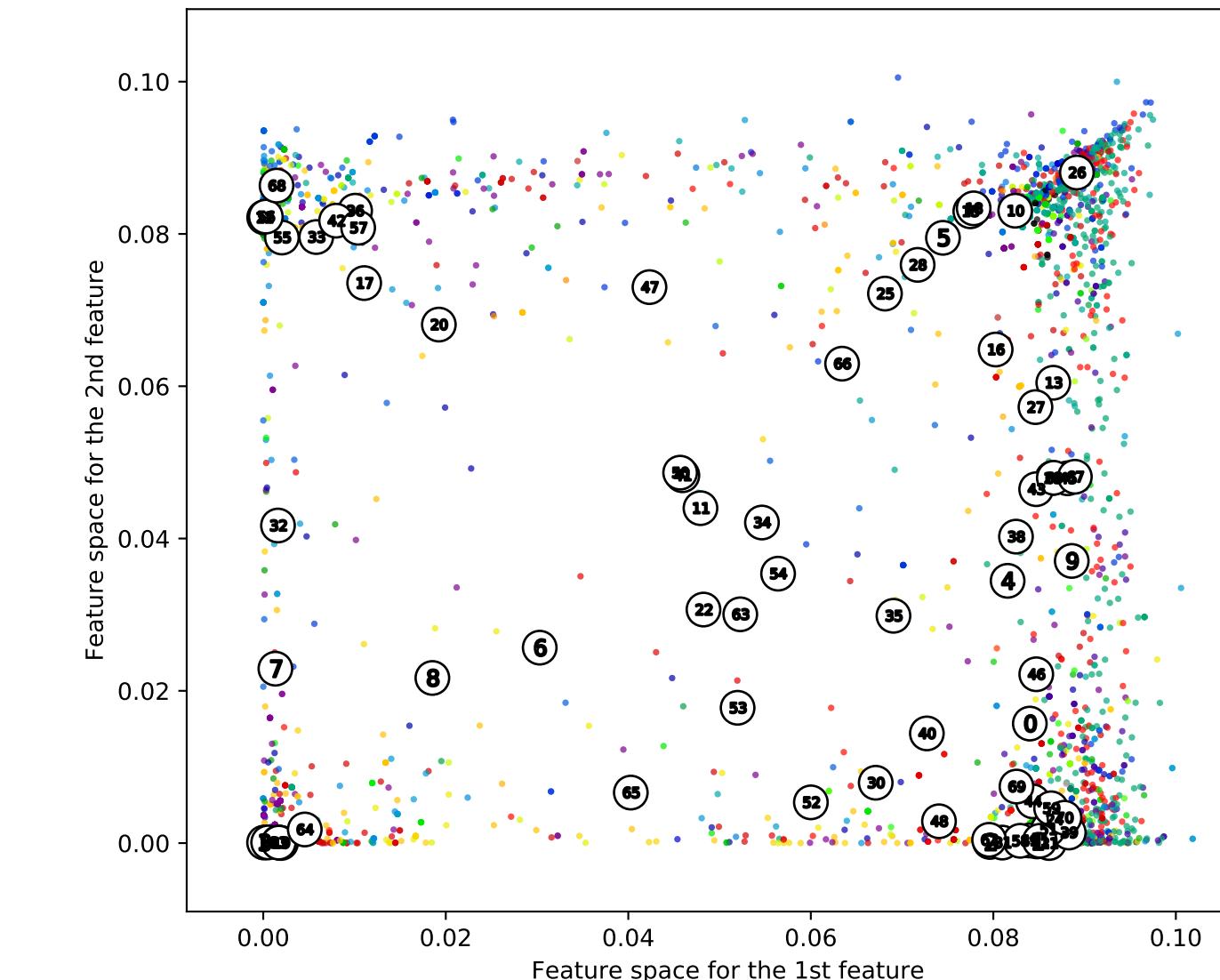


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 71 with Average Silhouette of: 0.39841803908348083

The silhouette plot for the various clusters.

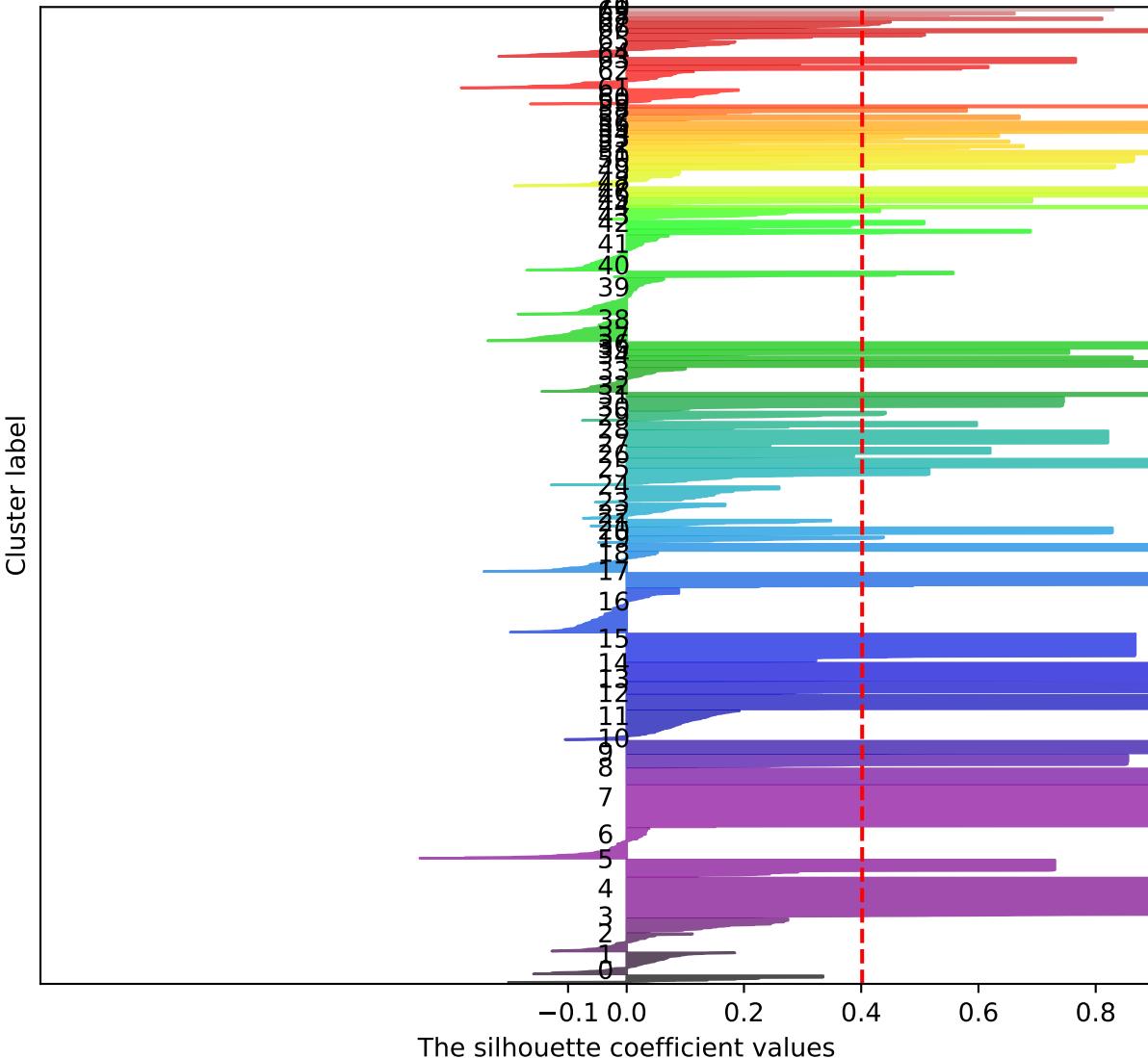


The visualization of the clustered data.

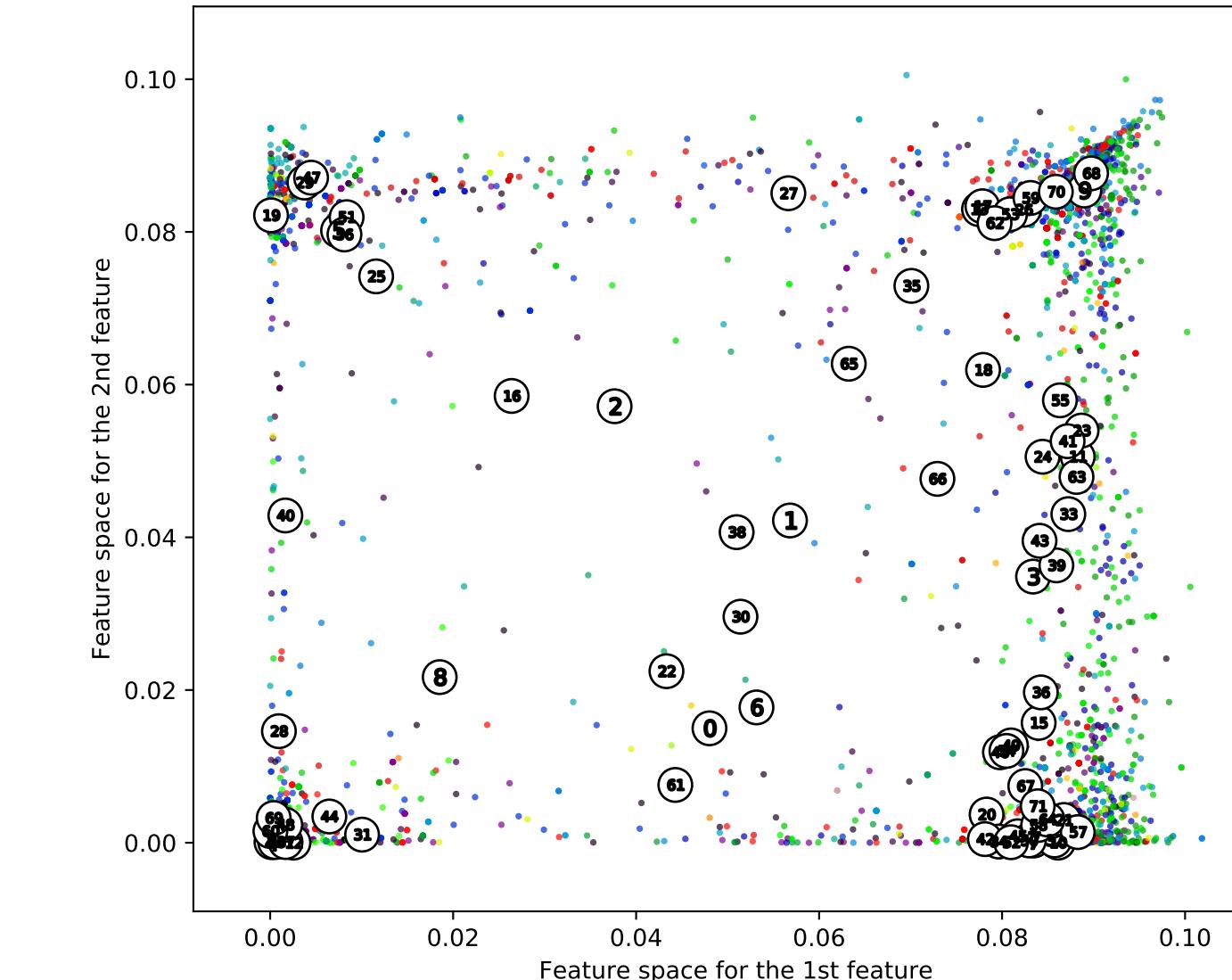


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 72 with Average Silhouette of: 0.40159791707992554**

The silhouette plot for the various clusters

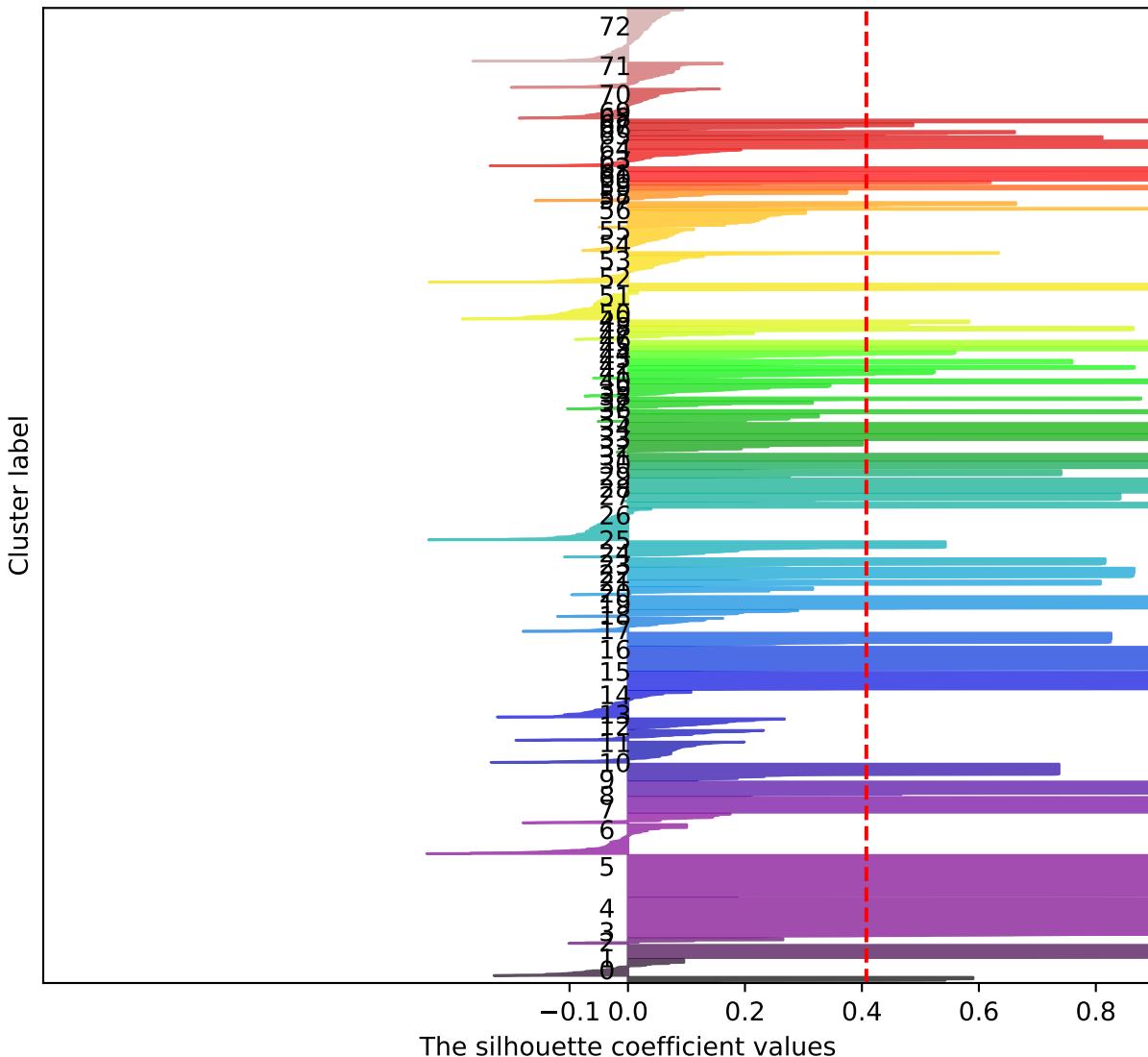


## The visualization of the clustered data

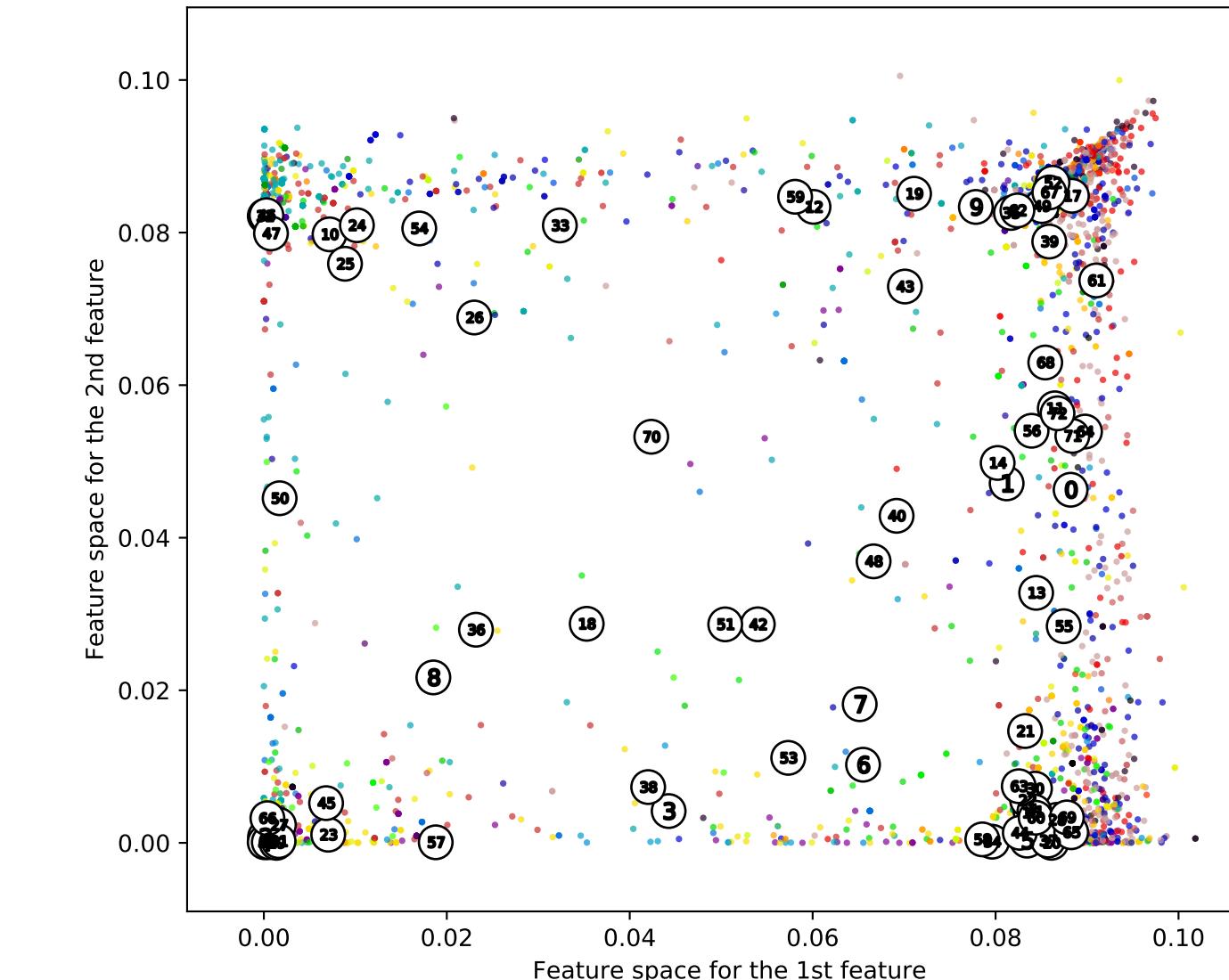


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 73 with Average Silhouette of: 0.40758389234542847

The silhouette plot for the various clusters.

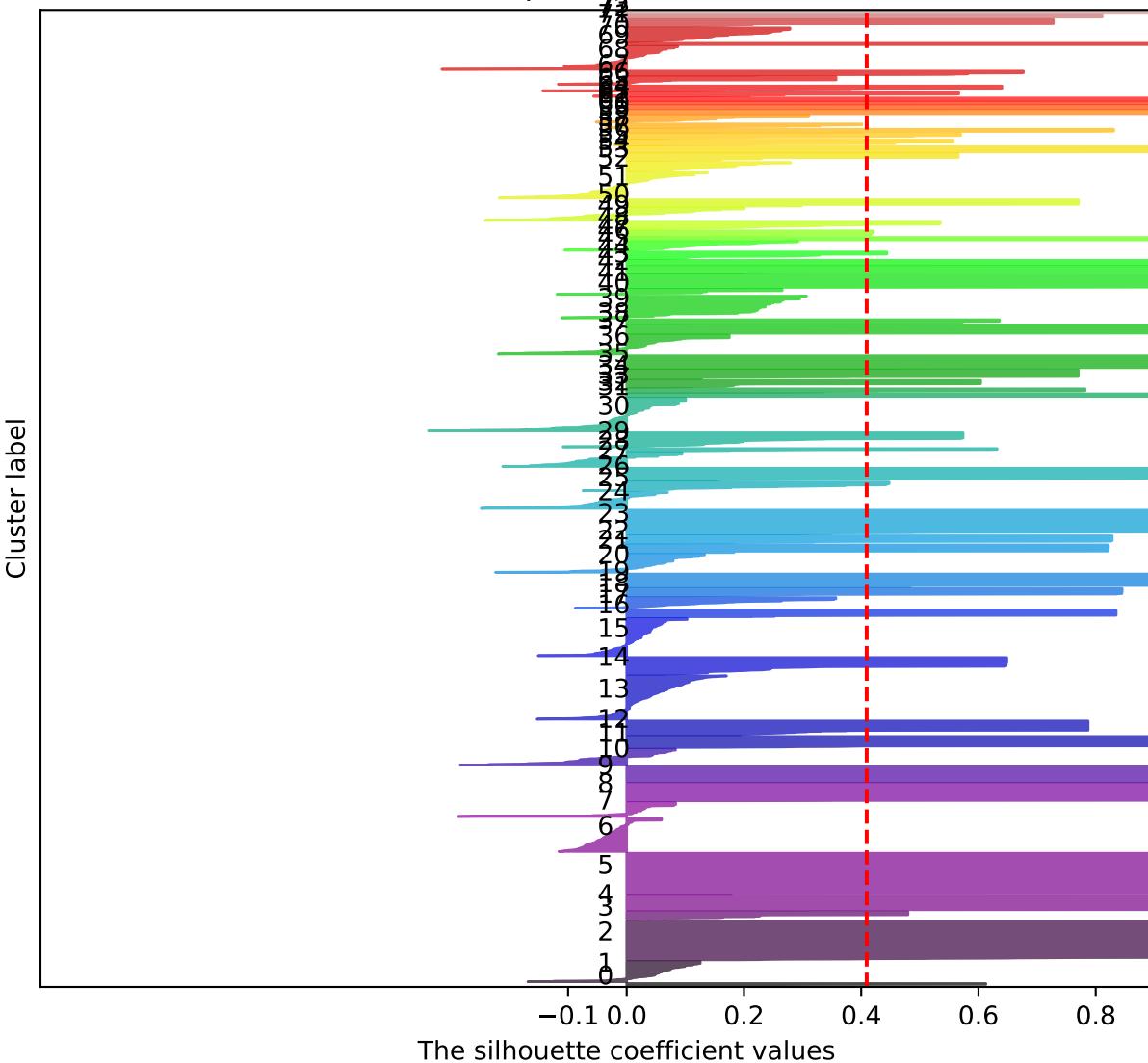


The visualization of the clustered data.

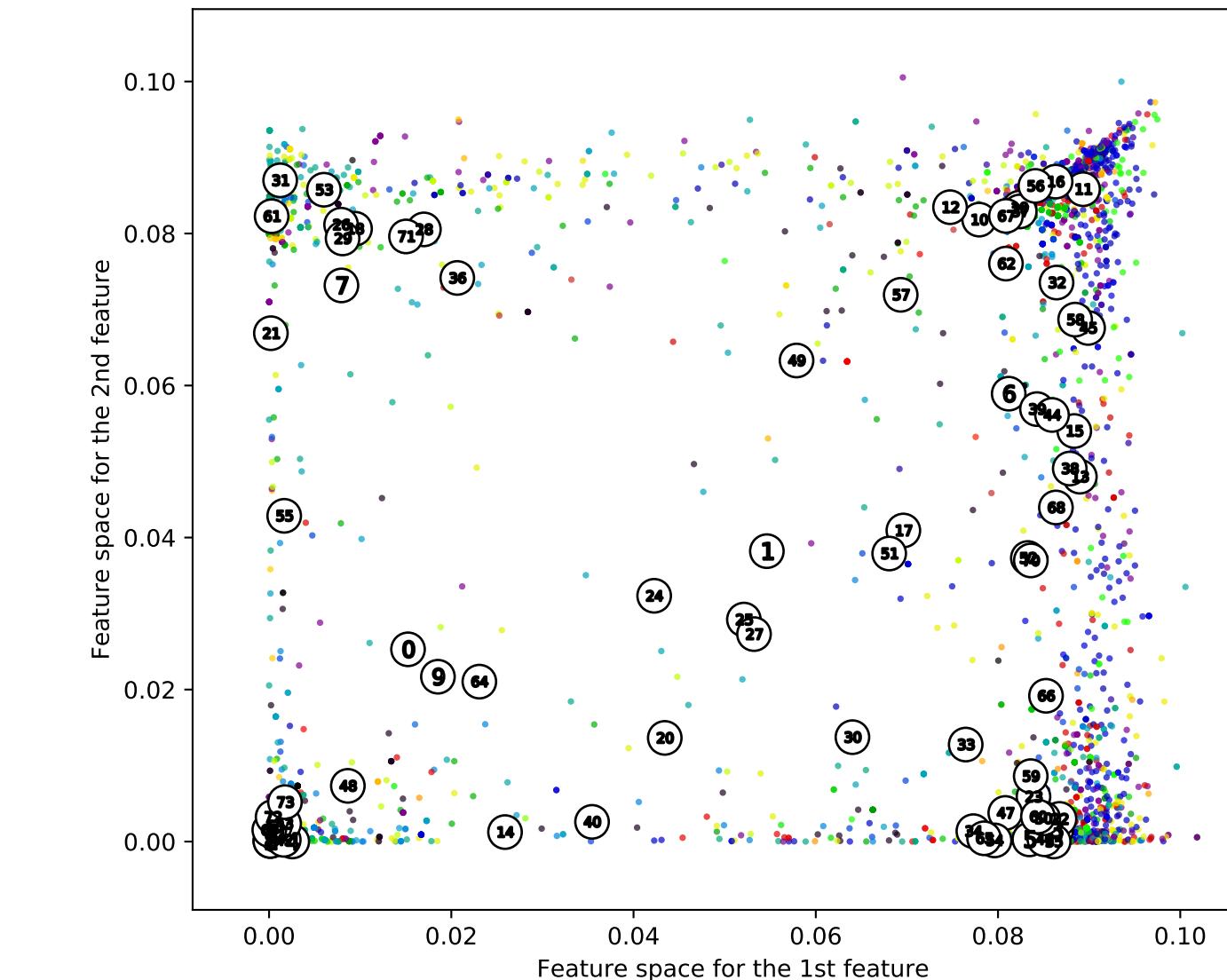


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 74 with Average Silhouette of: 0.40933647751808167**

The silhouette plot for the various clusters

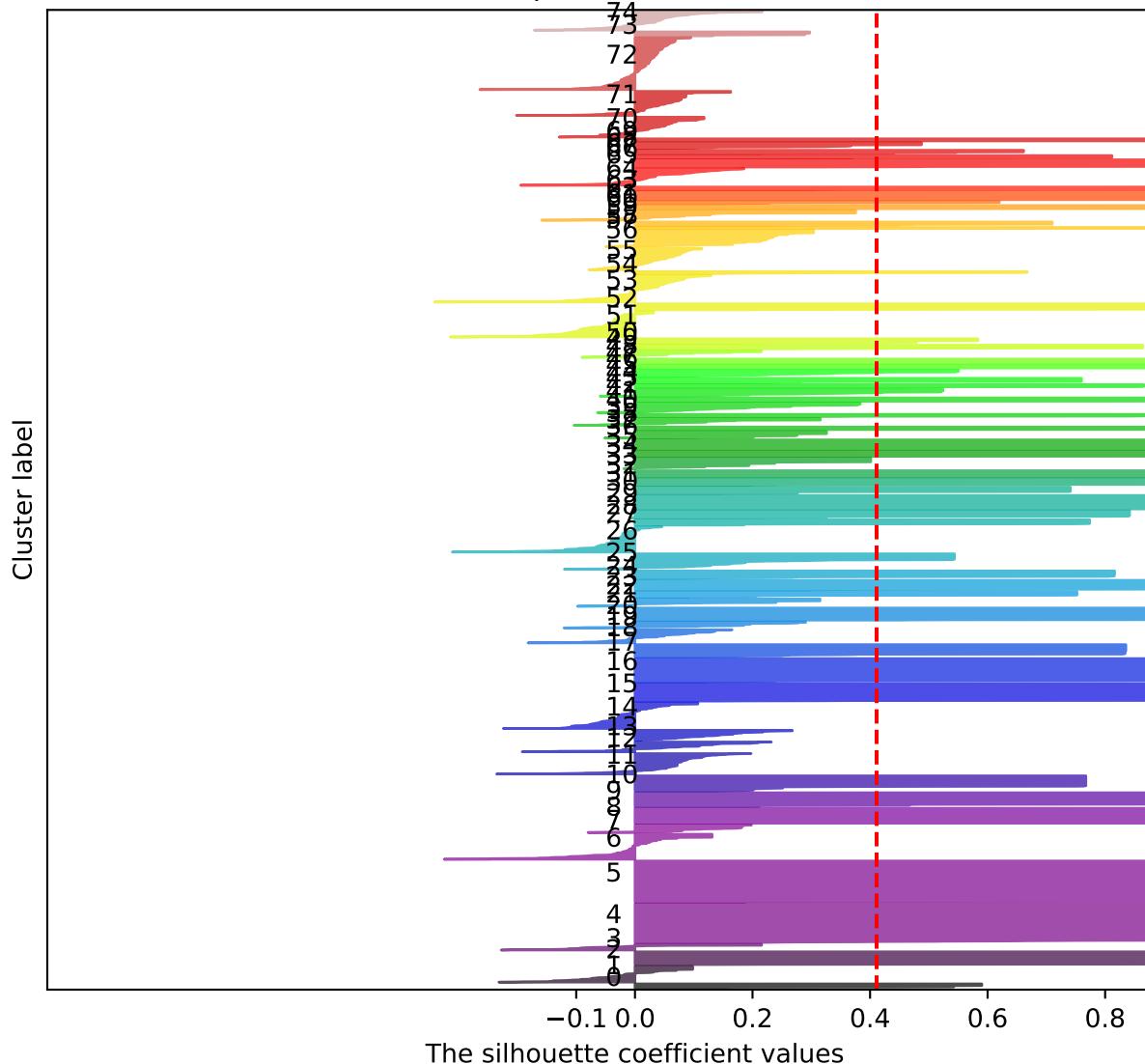


## The visualization of the clustered data

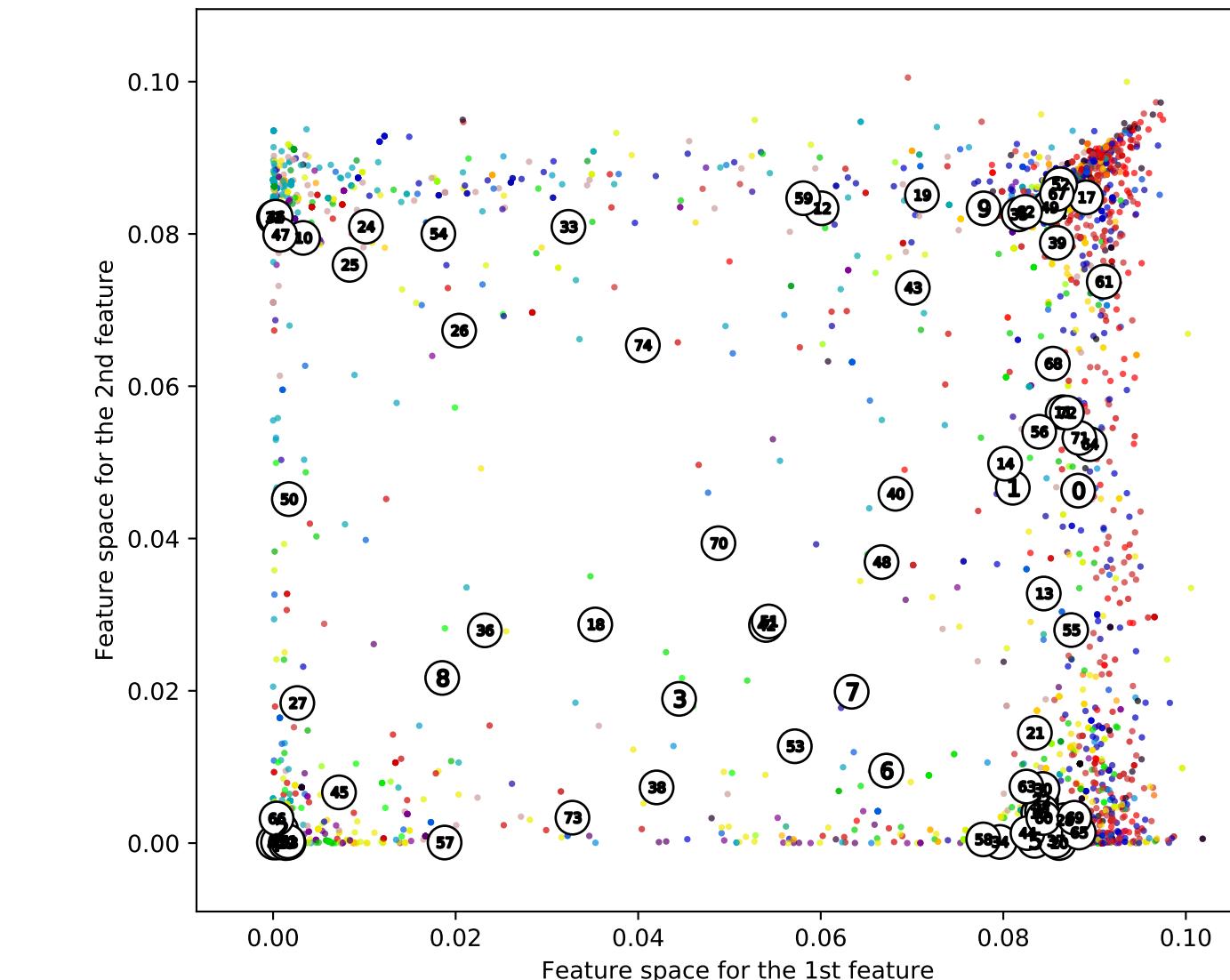


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 75 with Average Silhouette of: 0.41113555431365967

The silhouette plot for the various clusters.

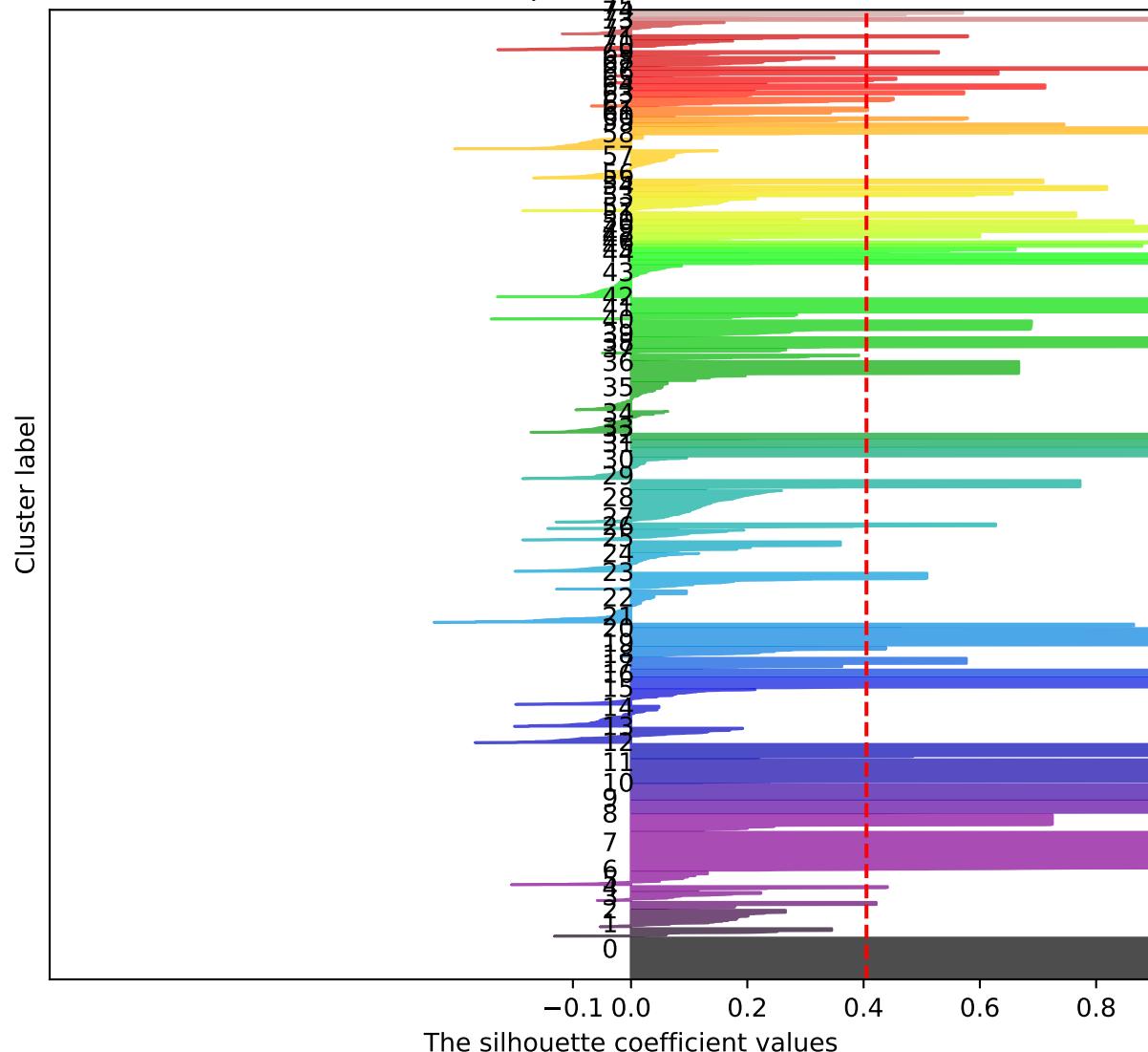


The visualization of the clustered data.

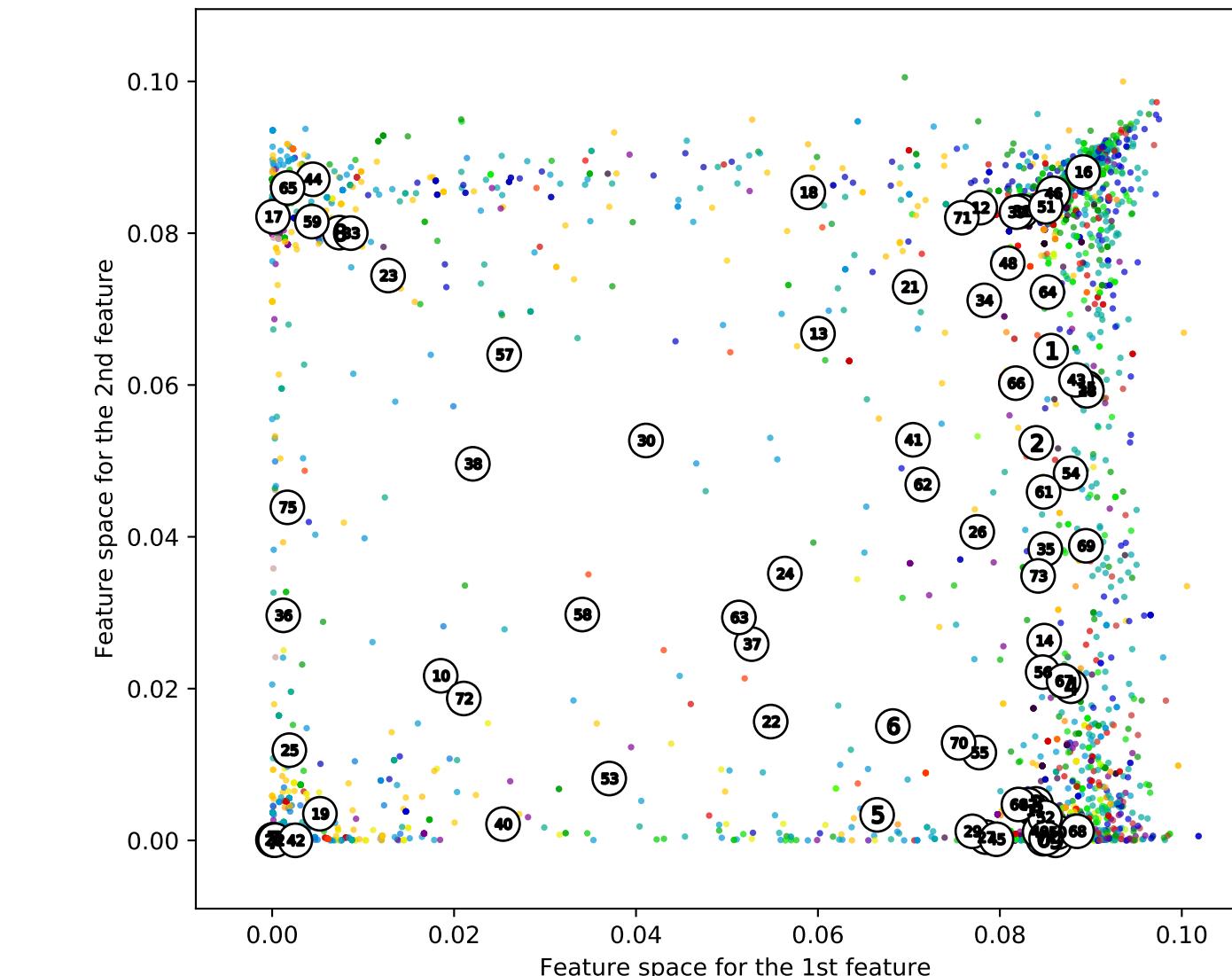


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 76 with Average Silhouette of: 0.40492406487464905

The silhouette plot for the various clusters.

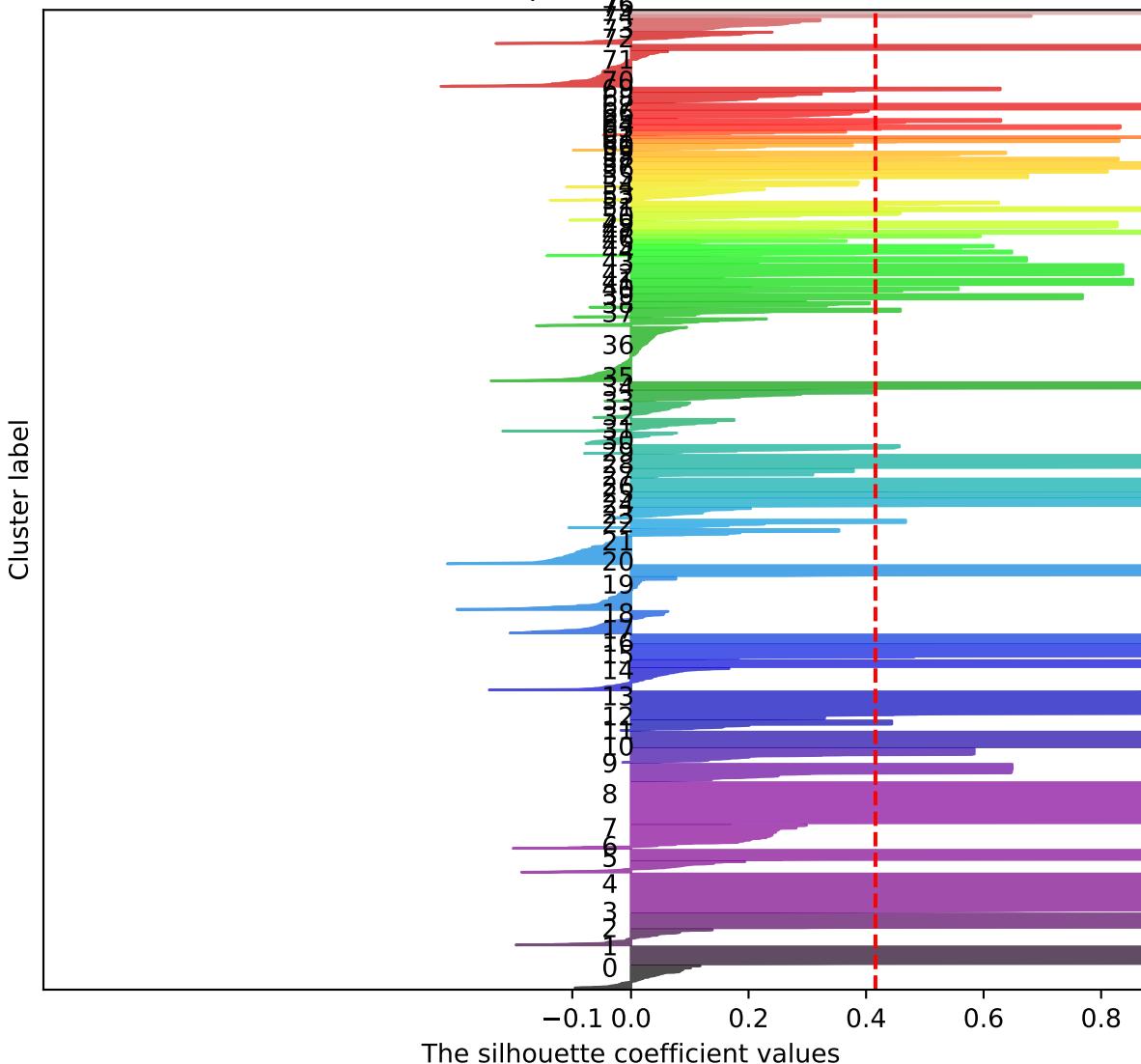


The visualization of the clustered data.

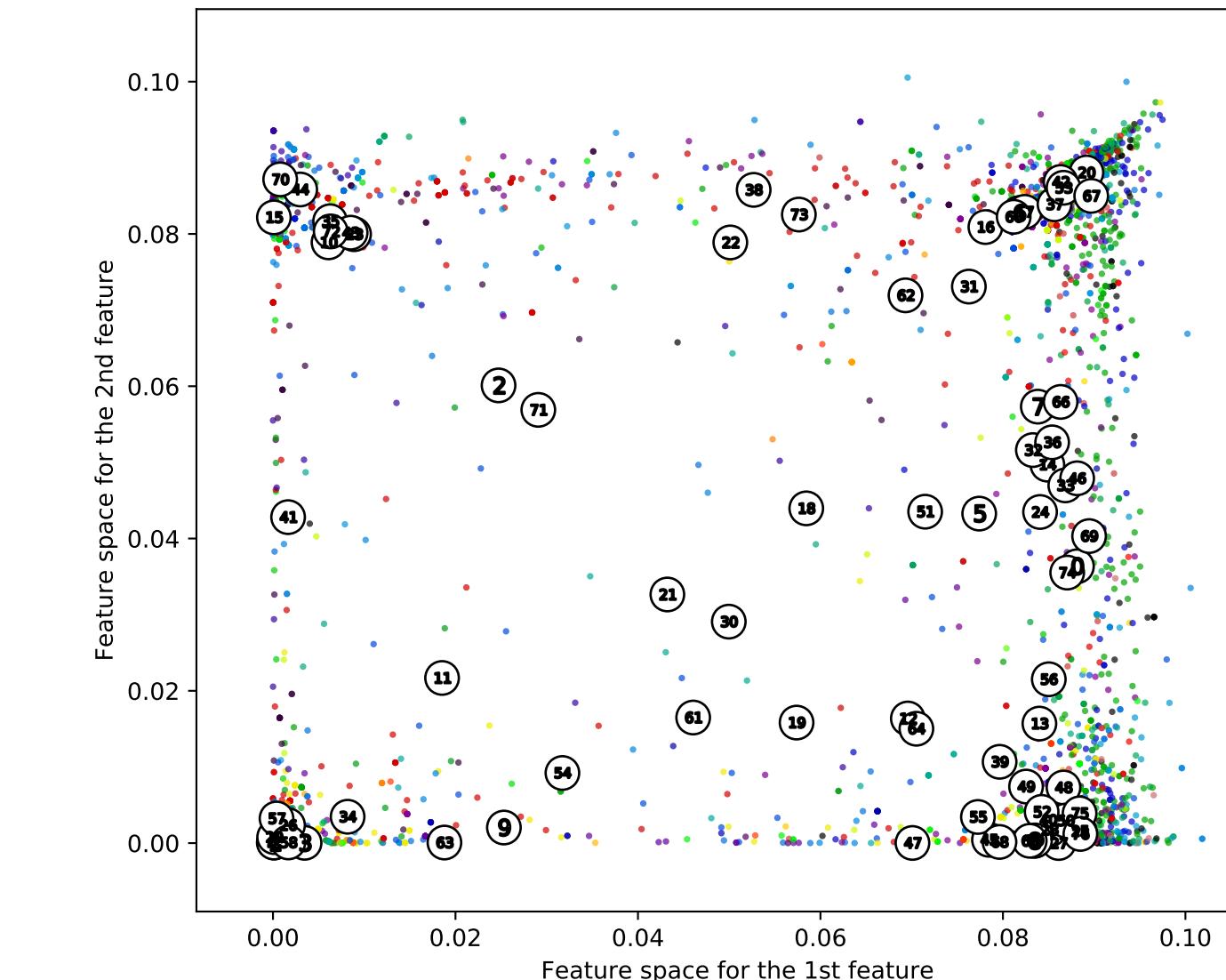


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 77 with Average Silhouette of: 0.4159579277038574

The silhouette plot for the various clusters.

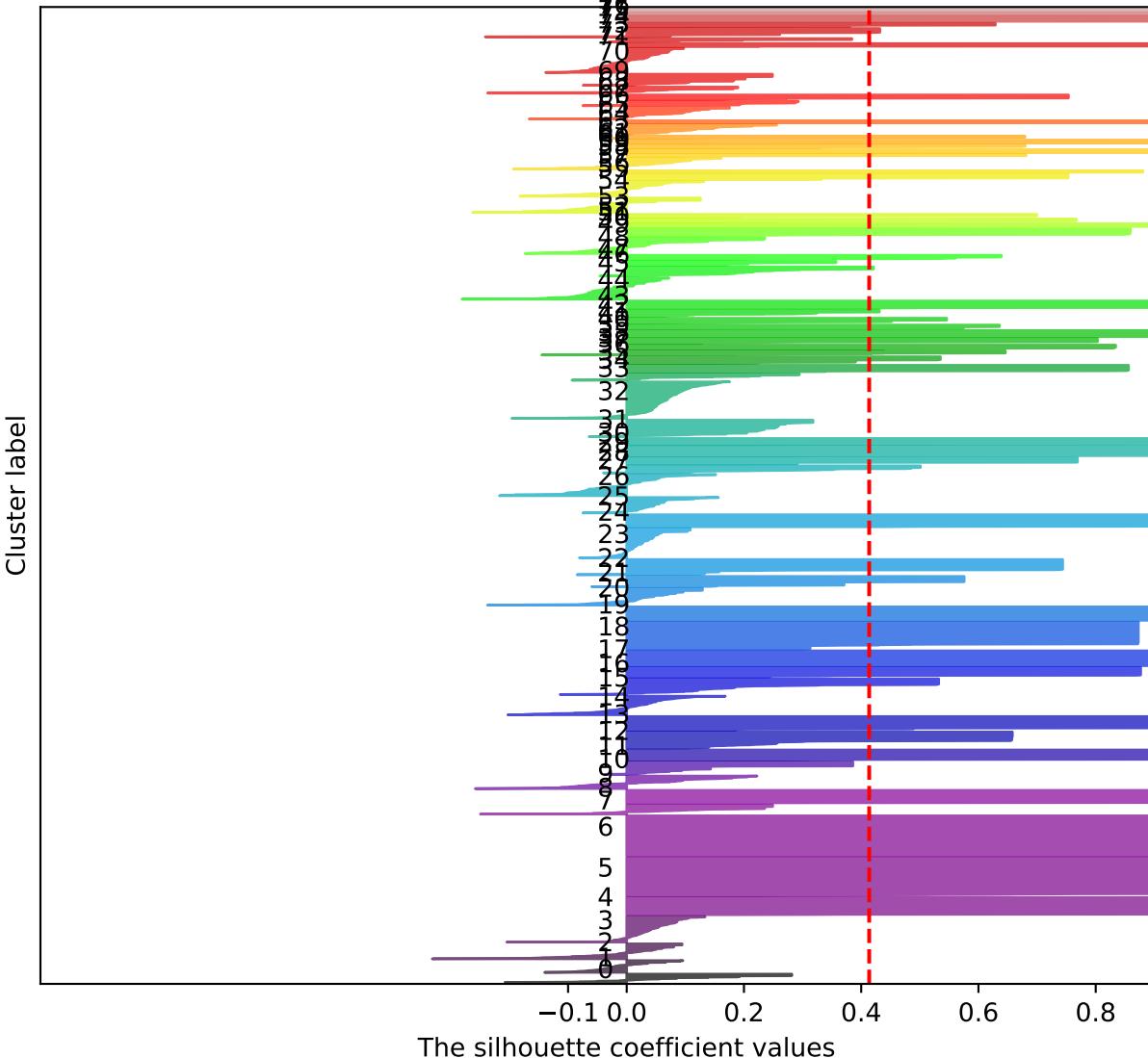


The visualization of the clustered data.

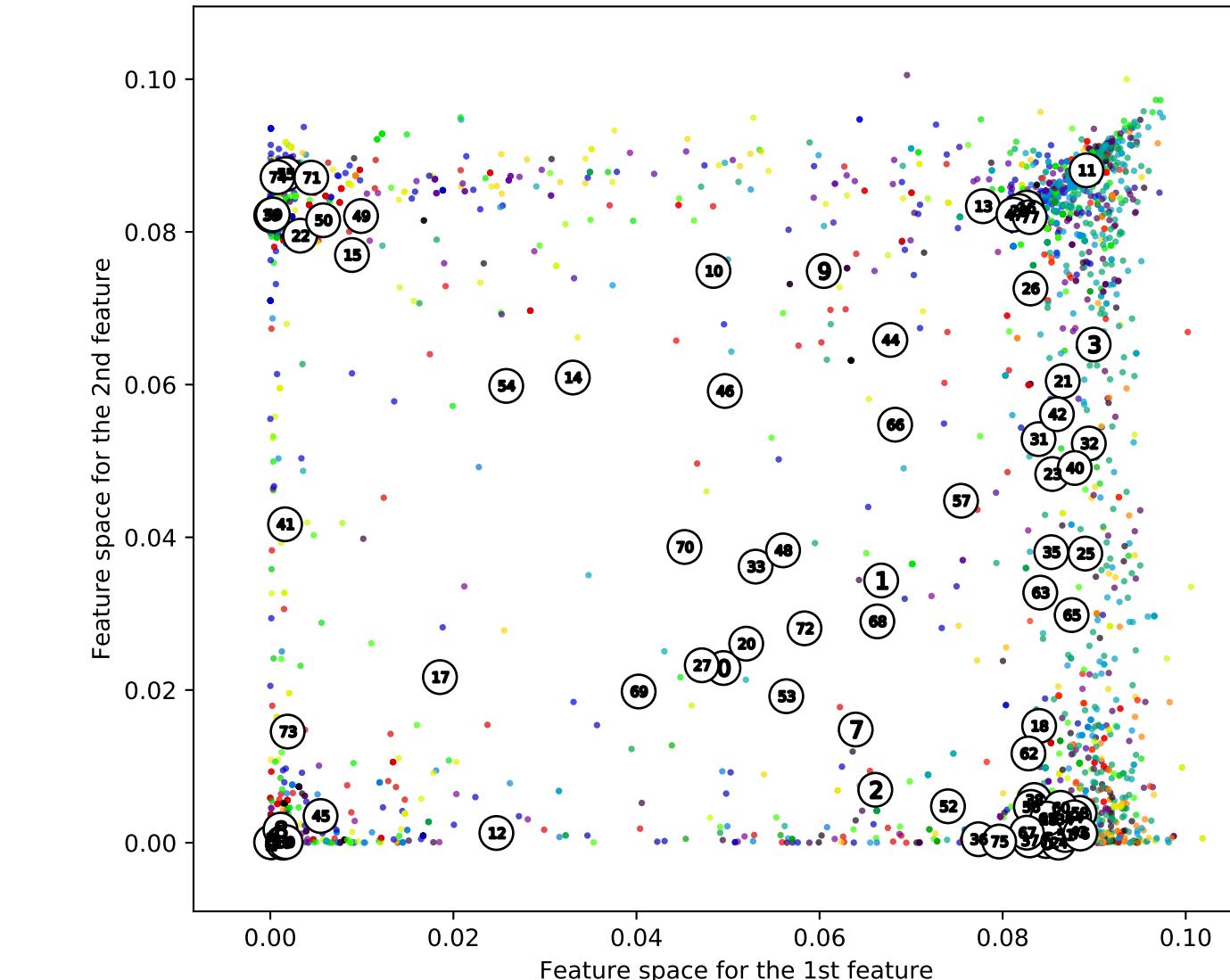


## Silhouette analysis for KMeans clustering on sample data with n\_clusters = 78 with Average Silhouette of: 0.41364774107933044

The silhouette plot for the various clusters

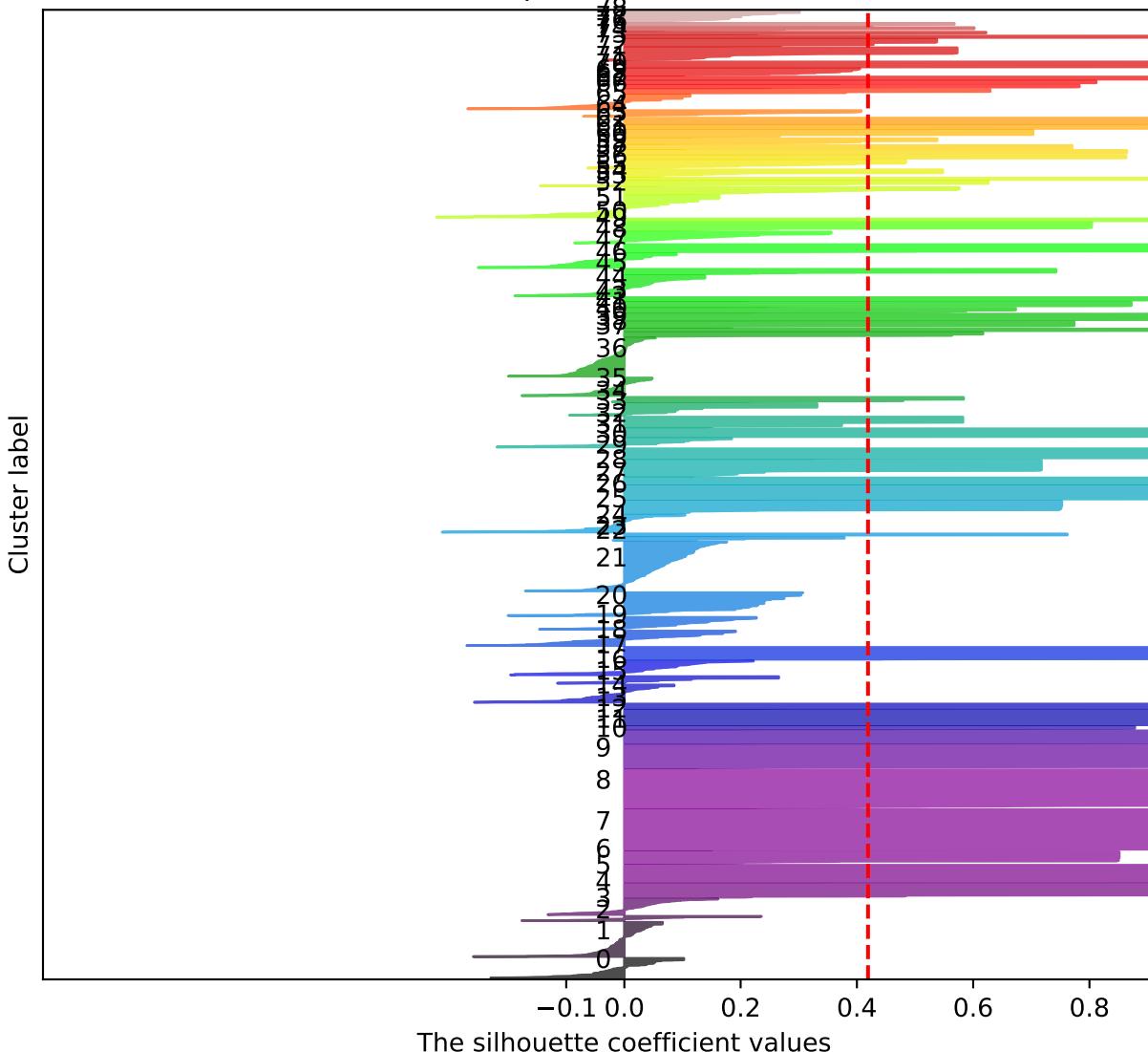


The visualization of the clustered data

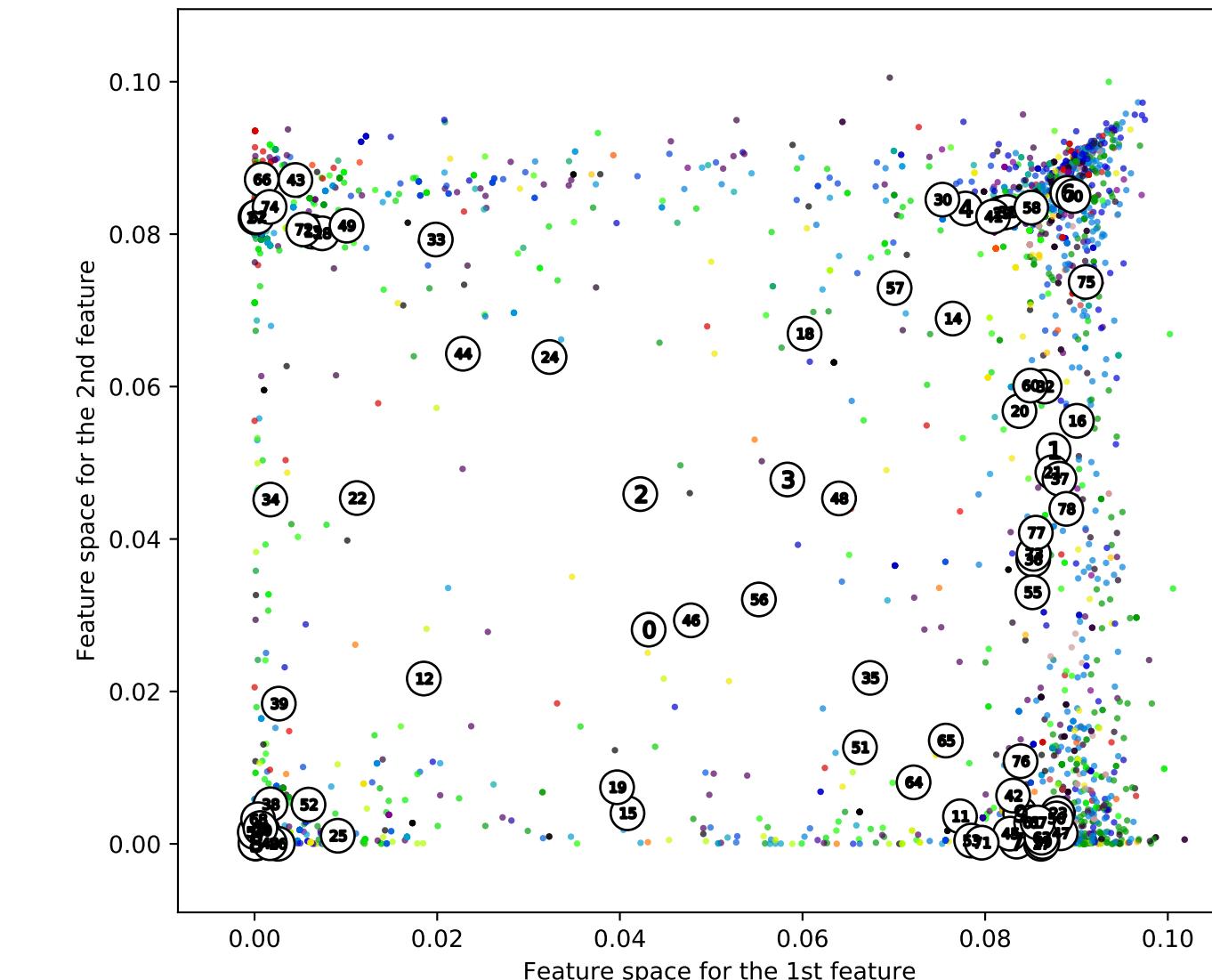


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 79 with Average Silhouette of: 0.4191257655620575

The silhouette plot for the various clusters.

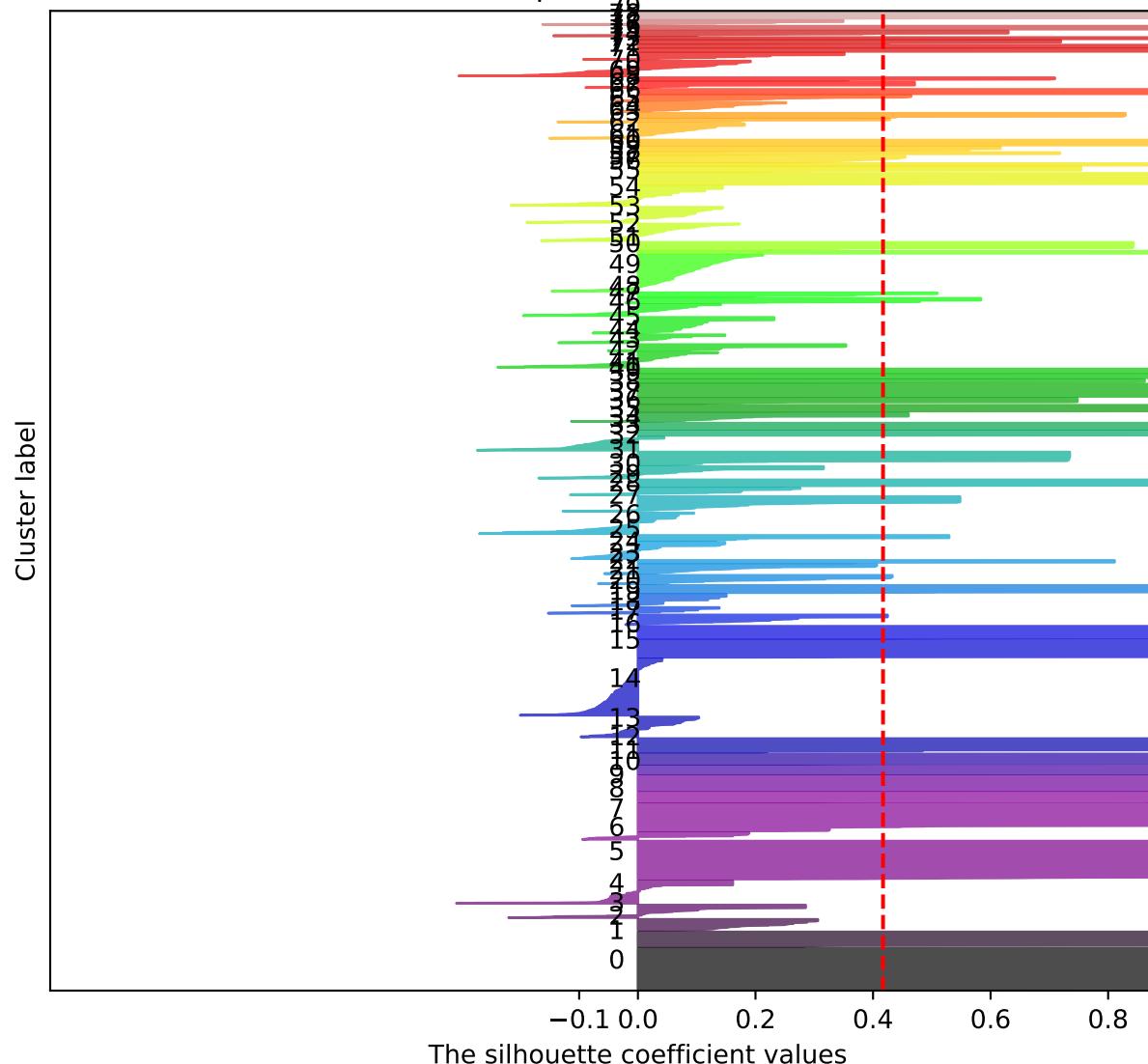


The visualization of the clustered data.

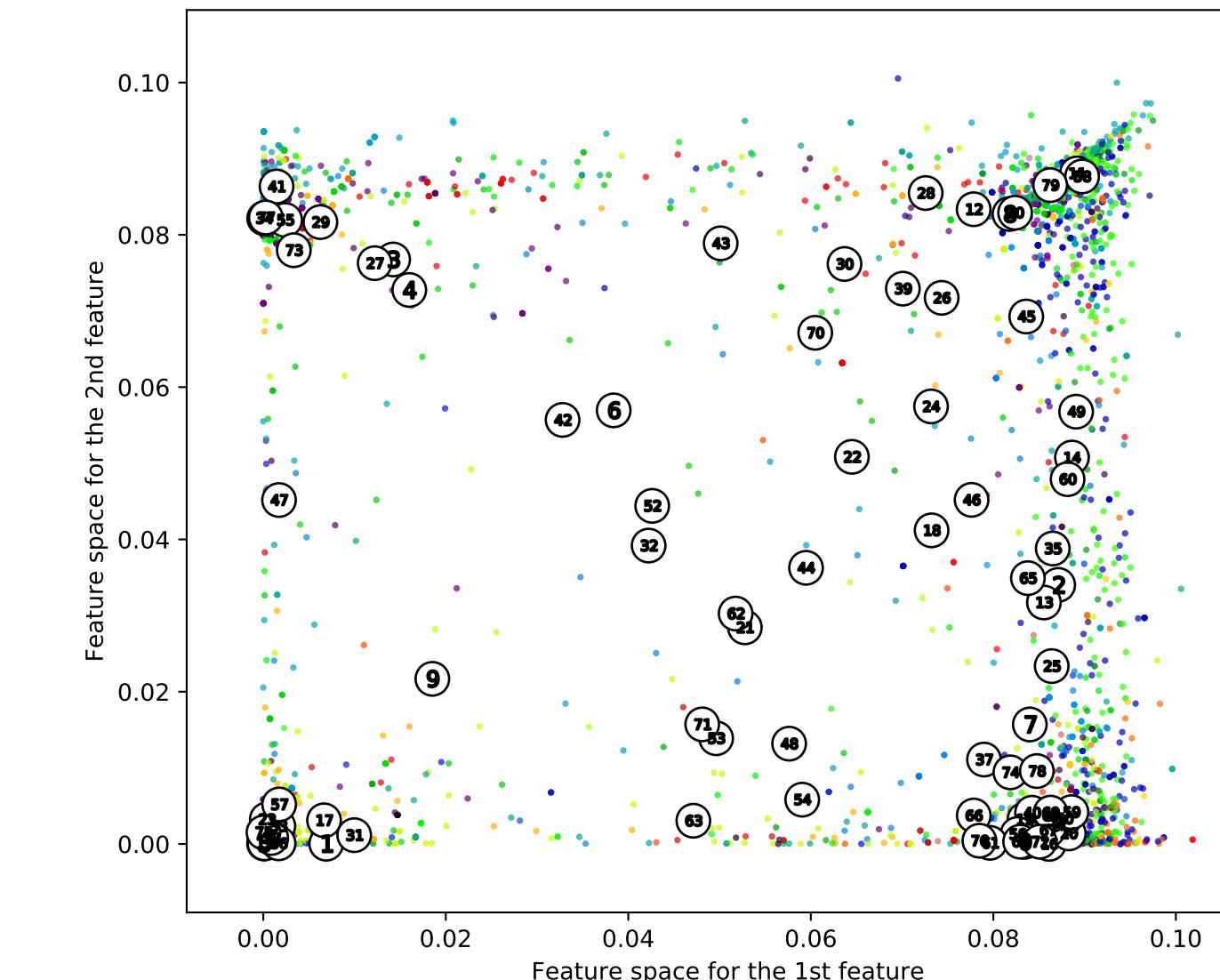


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 80 with Average Silhouette of: 0.4170350730419159

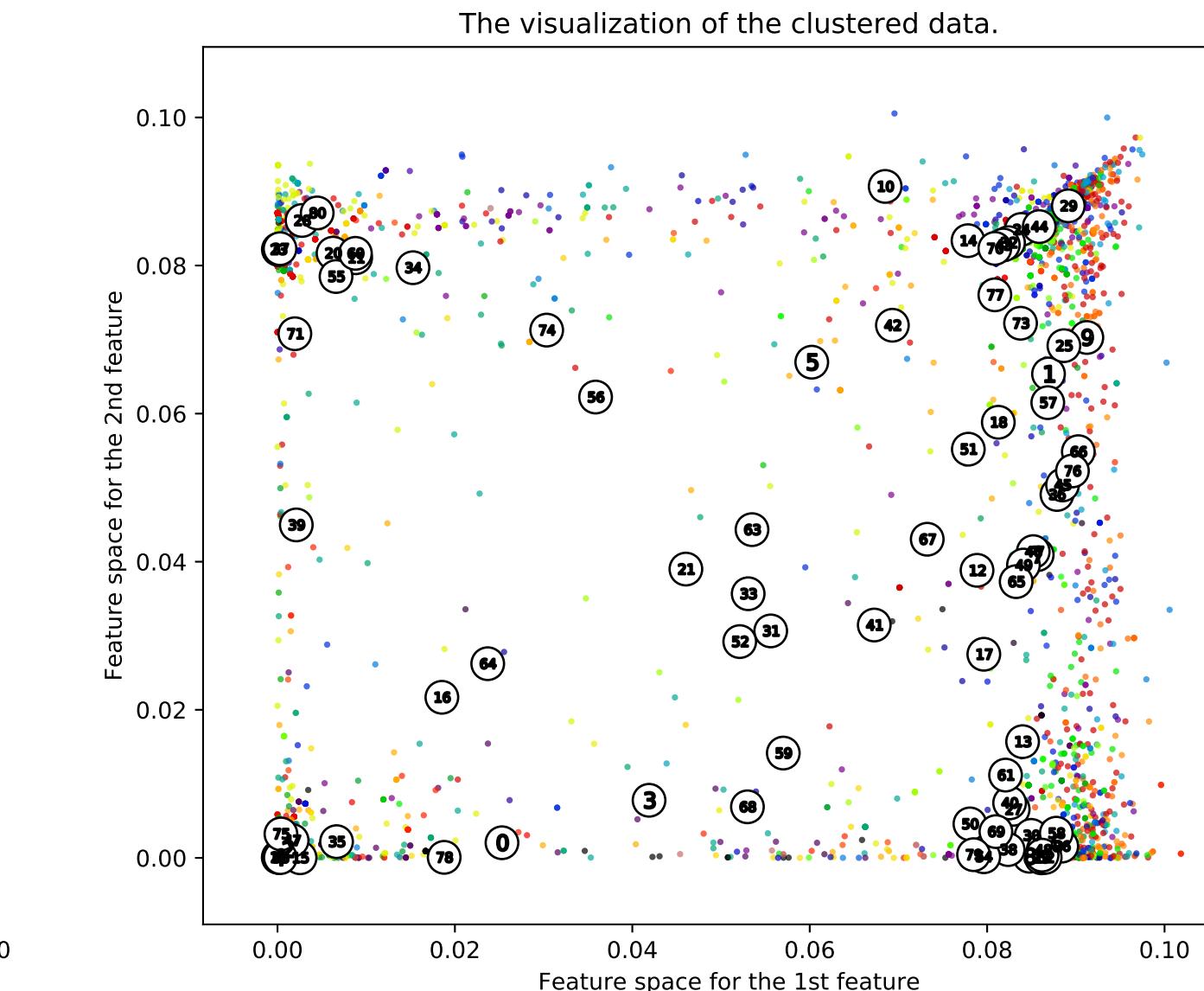
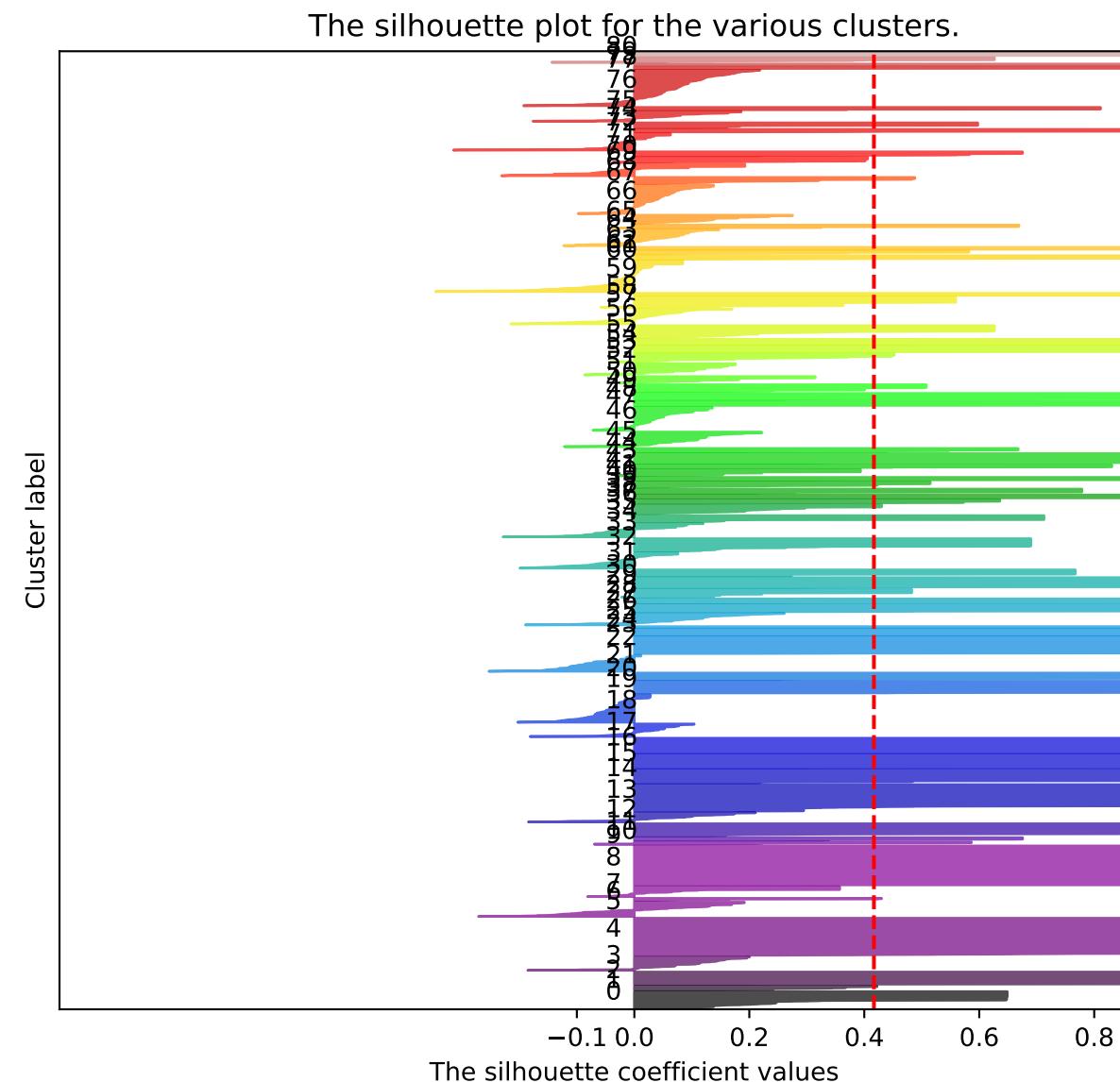
The silhouette plot for the various clusters.



The visualization of the clustered data.

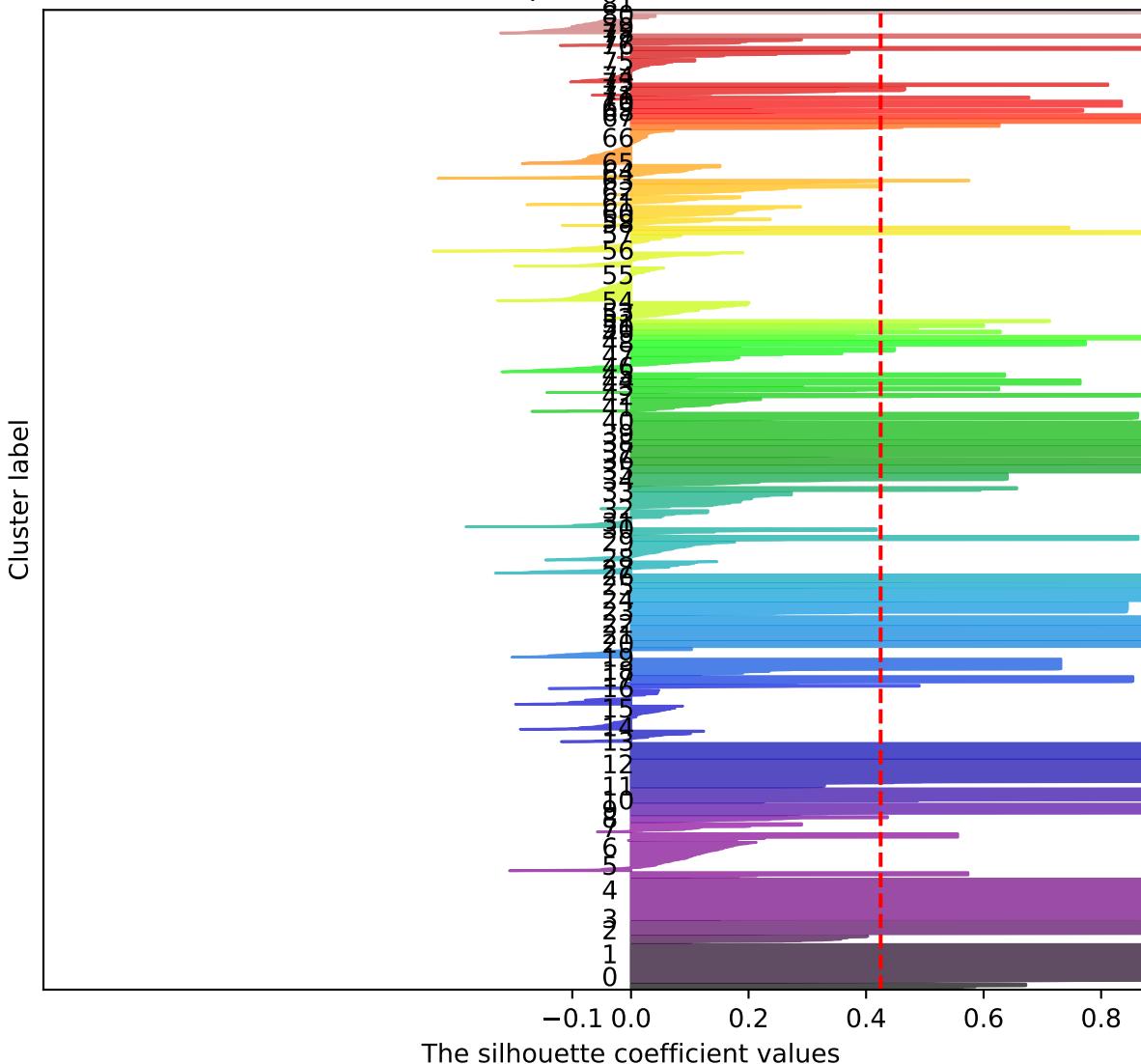


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 81 with Average Silhouette of: 0.416767418384552

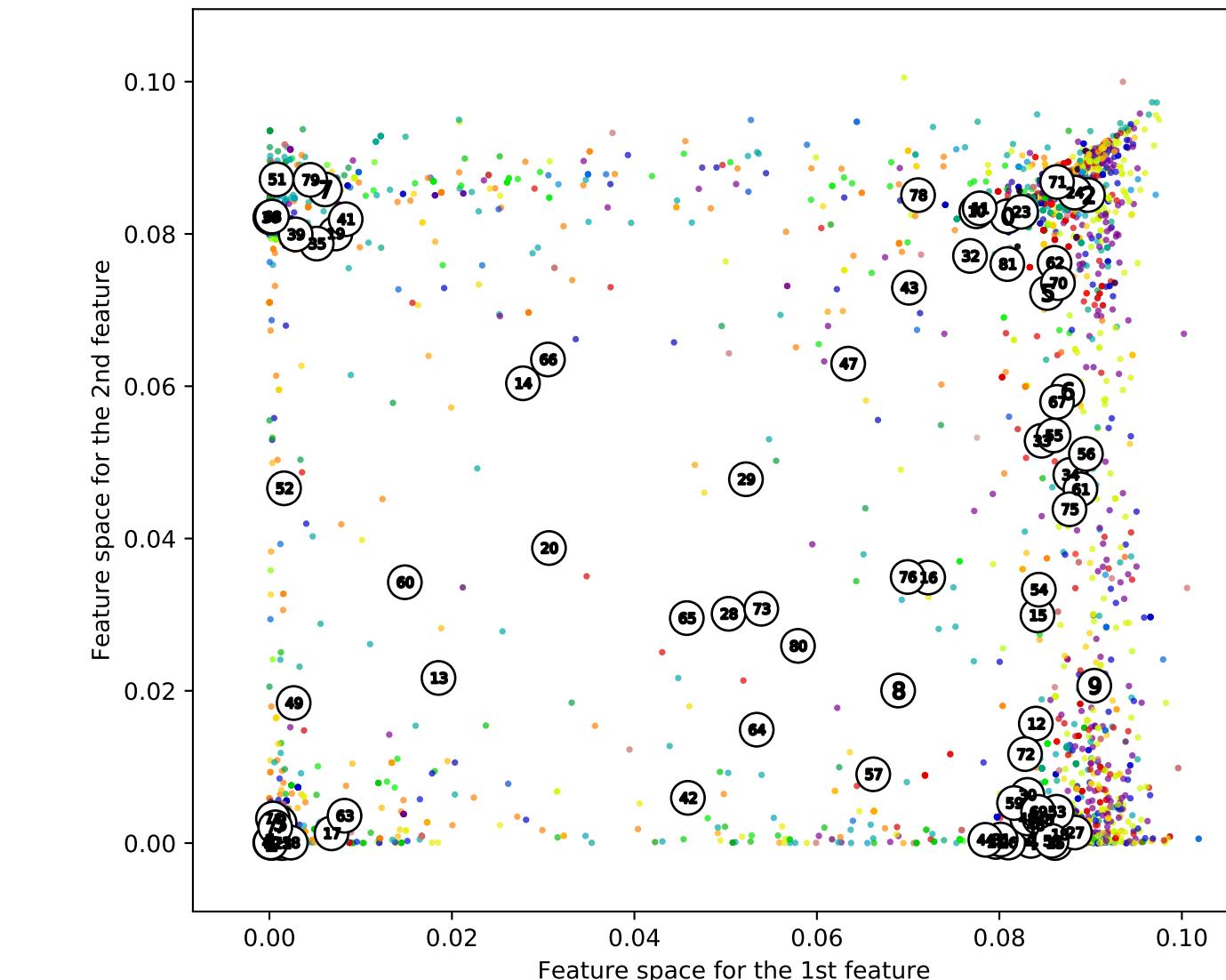


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 82 with Average Silhouette of: 0.4247899055480957

The silhouette plot for the various clusters.

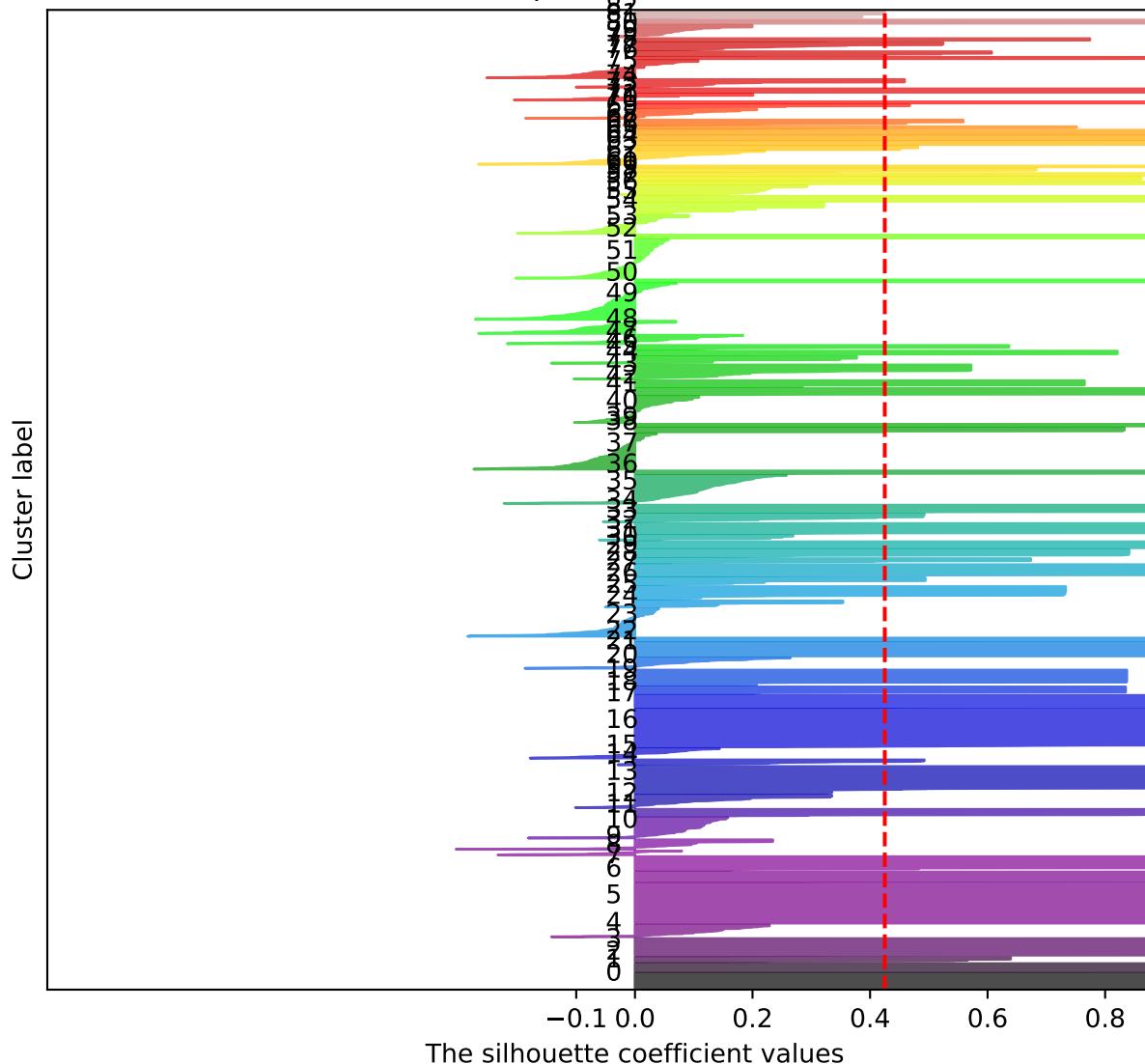


The visualization of the clustered data.

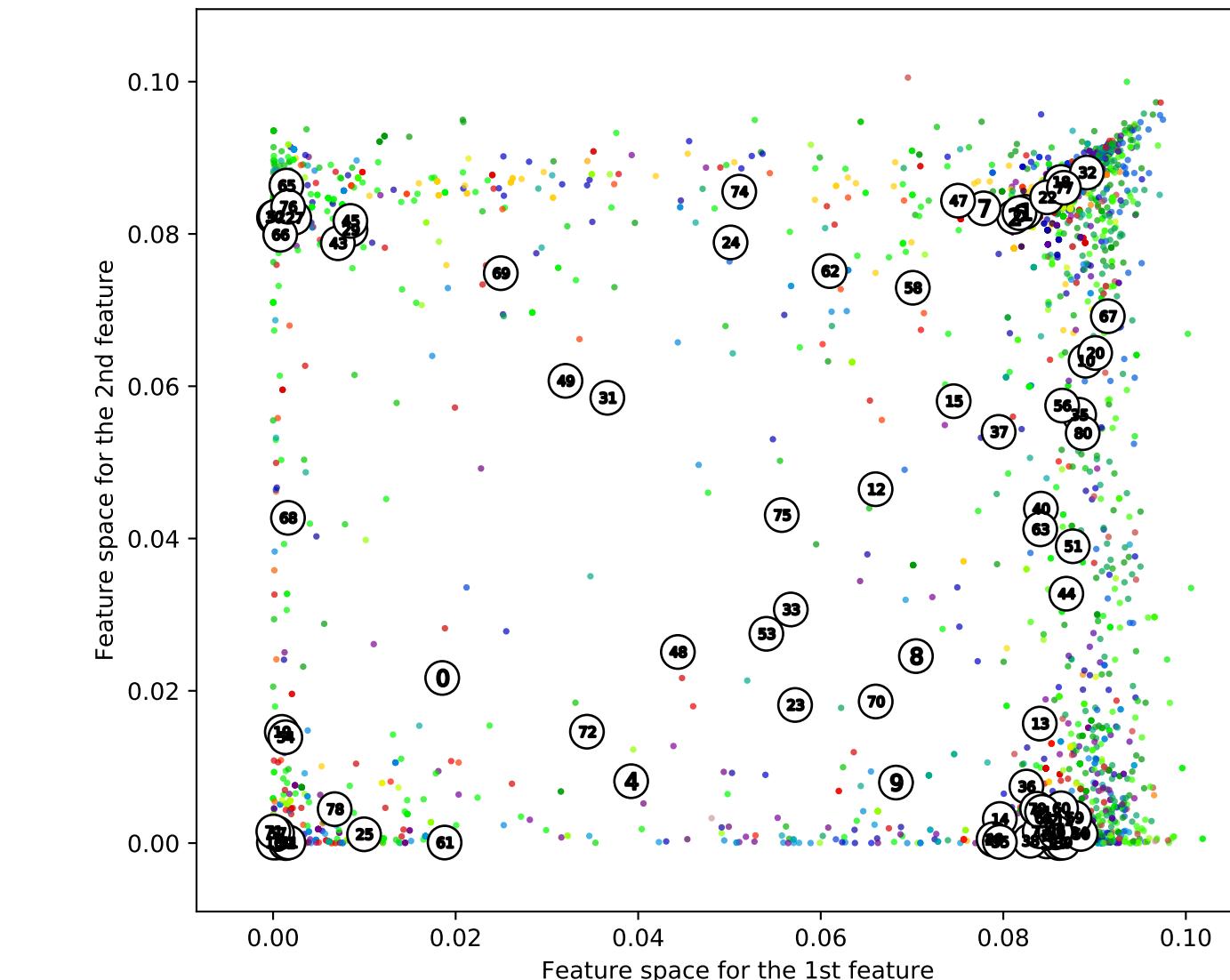


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 83 with Average Silhouette of: 0.42507511377334595

The silhouette plot for the various clusters.

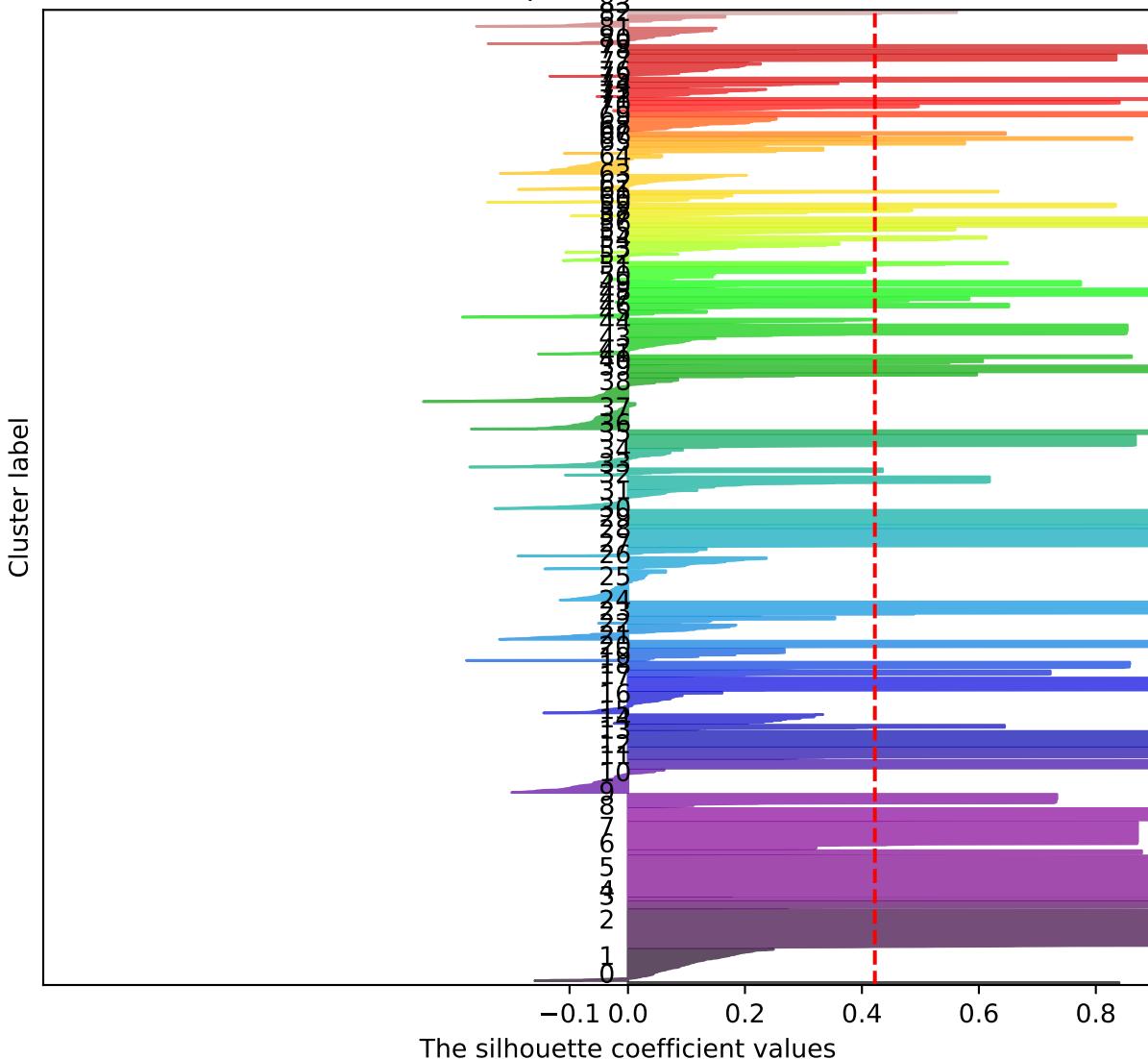


The visualization of the clustered data.

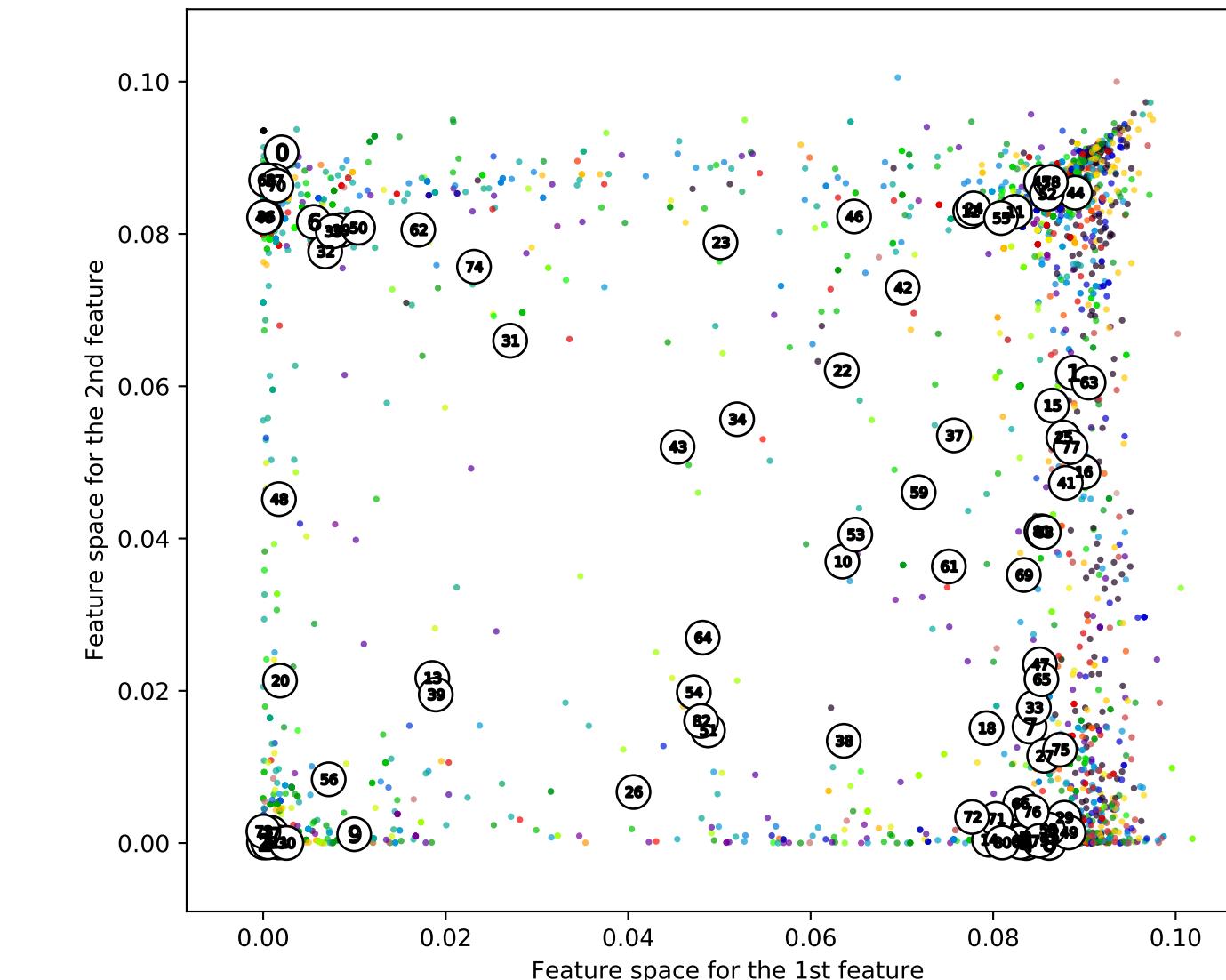


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 84 with Average Silhouette of: 0.42215296626091003

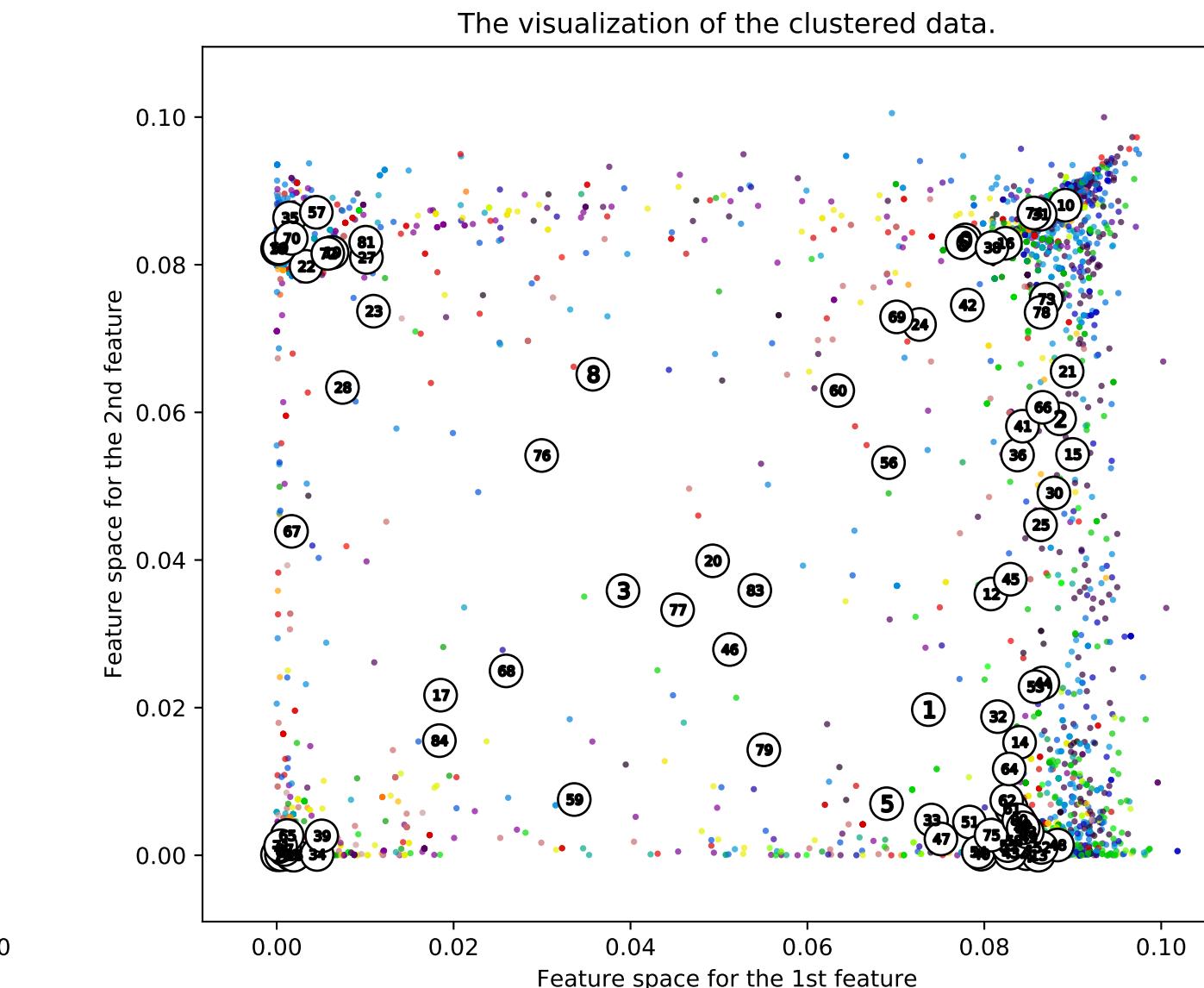
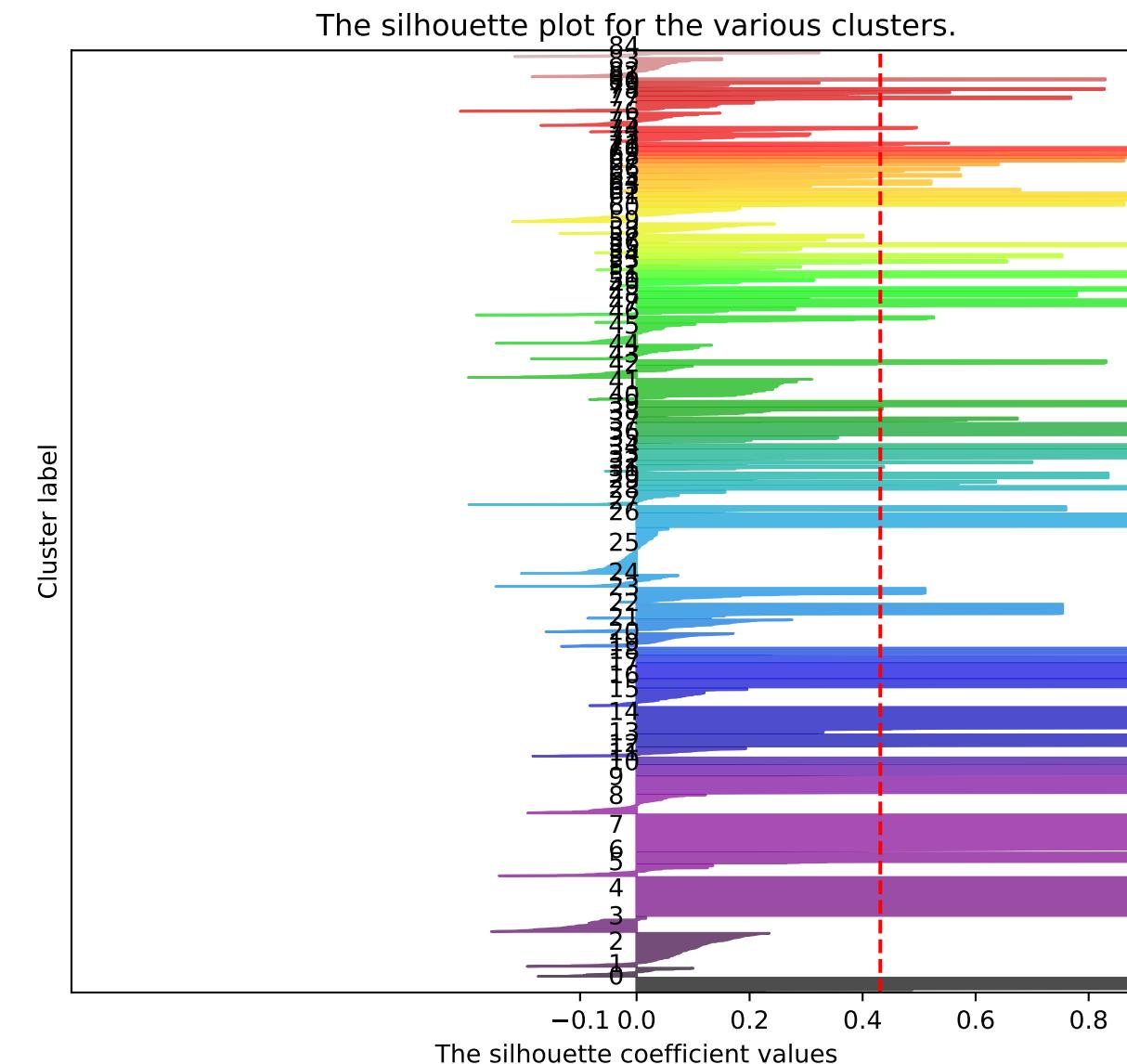
The silhouette plot for the various clusters.



The visualization of the clustered data.

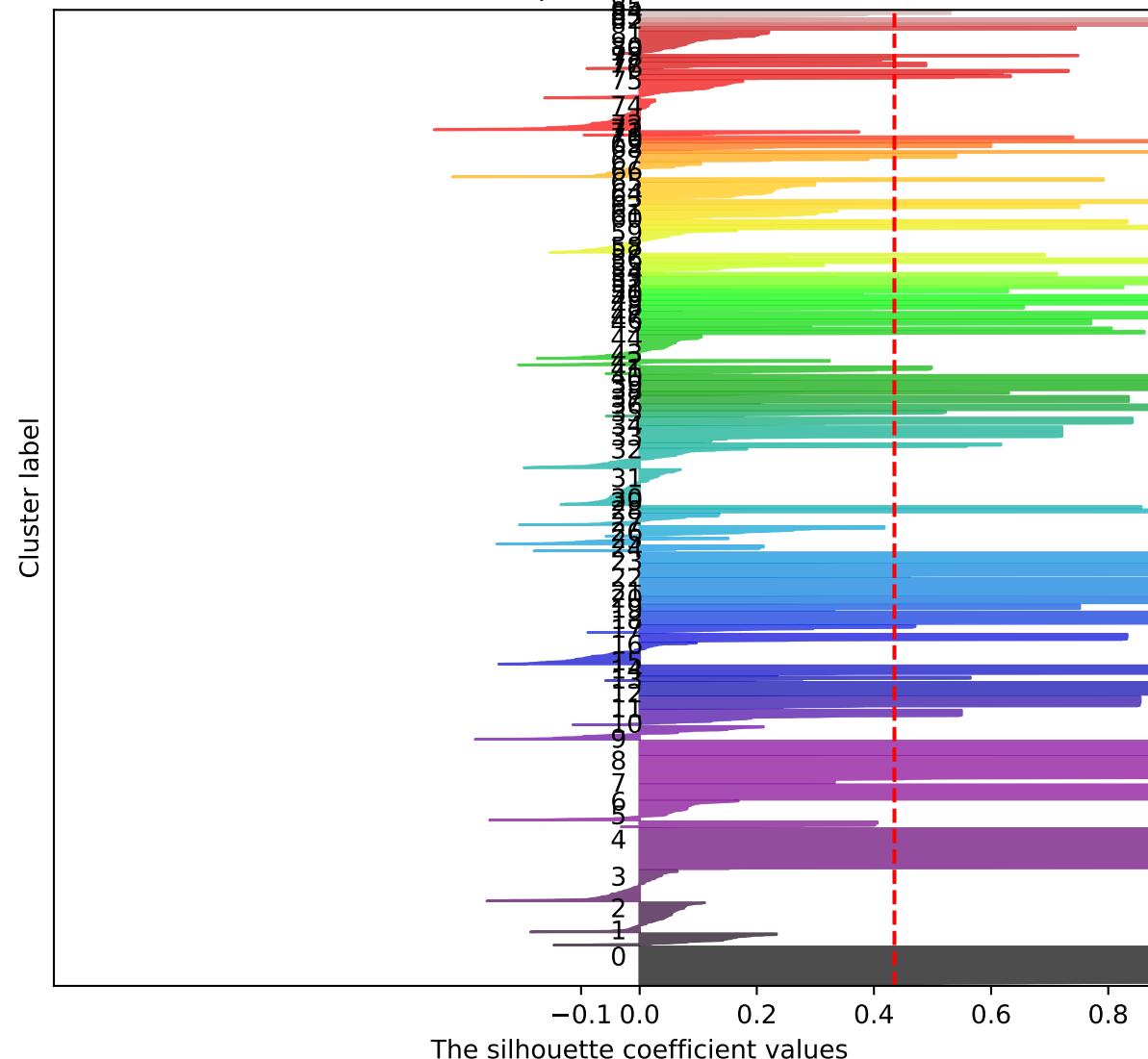


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 85 with Average Silhouette of: 0.43132564425468445

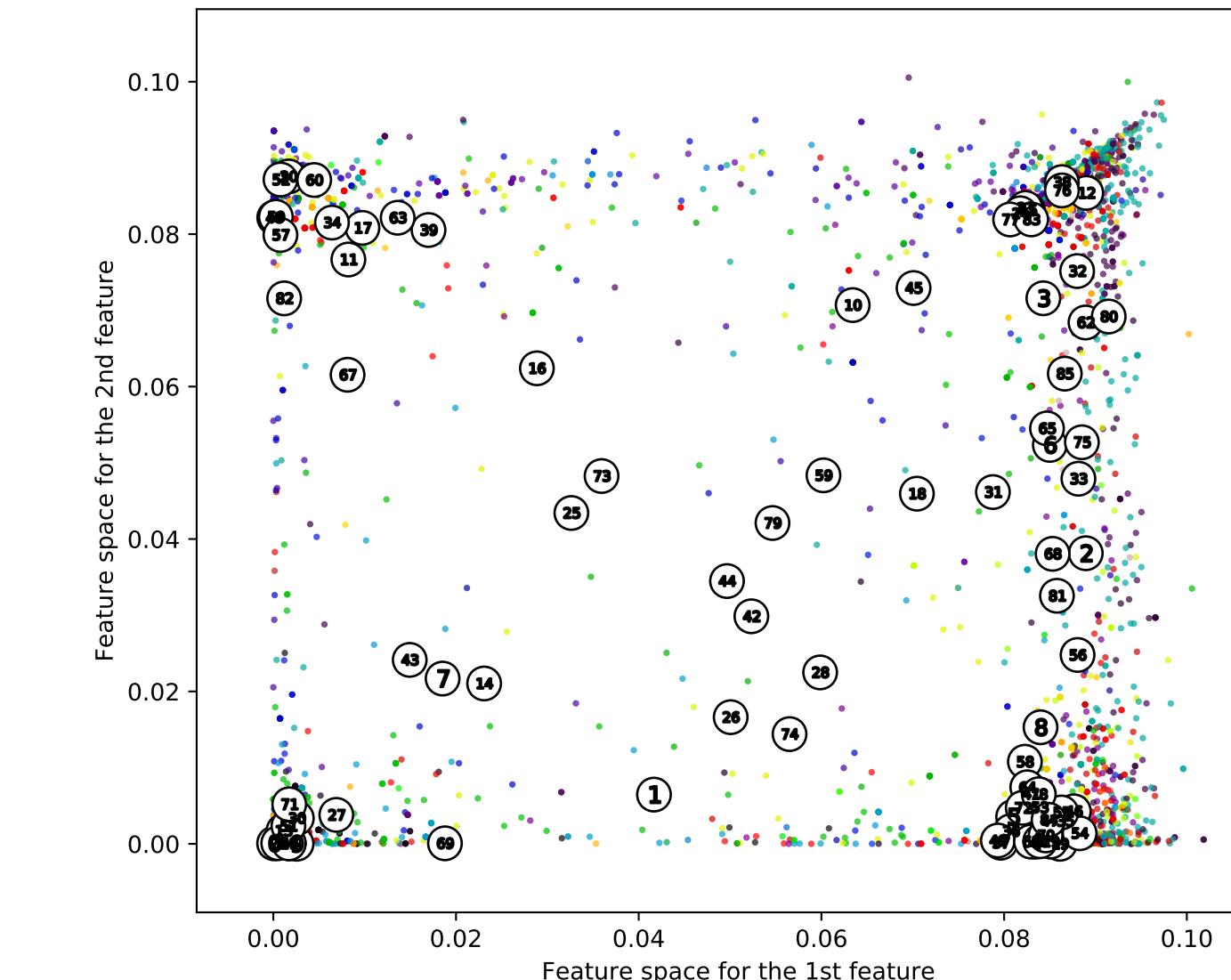


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 86 with Average Silhouette of: 0.4349406659603119

The silhouette plot for the various clusters.

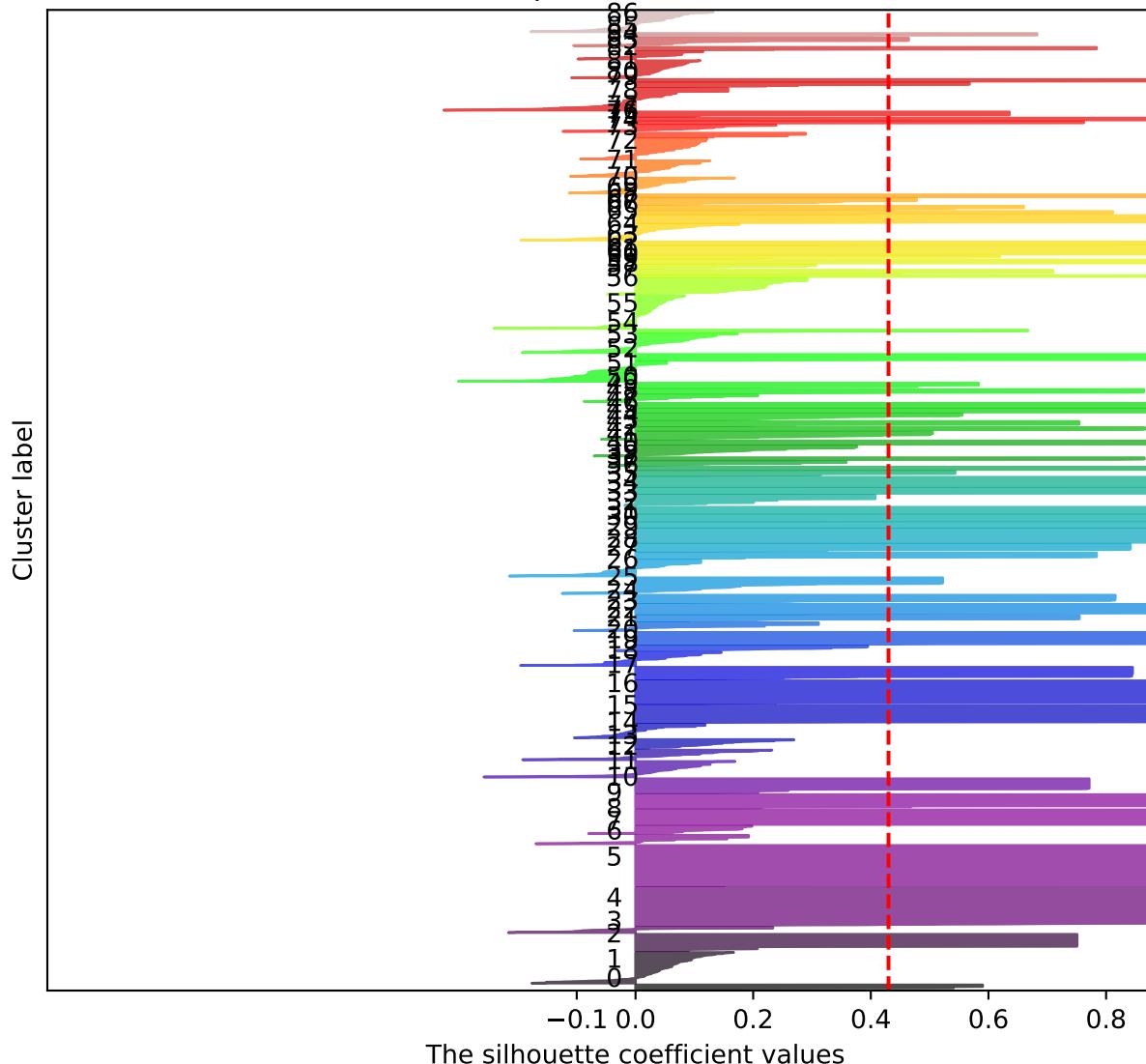


The visualization of the clustered data.

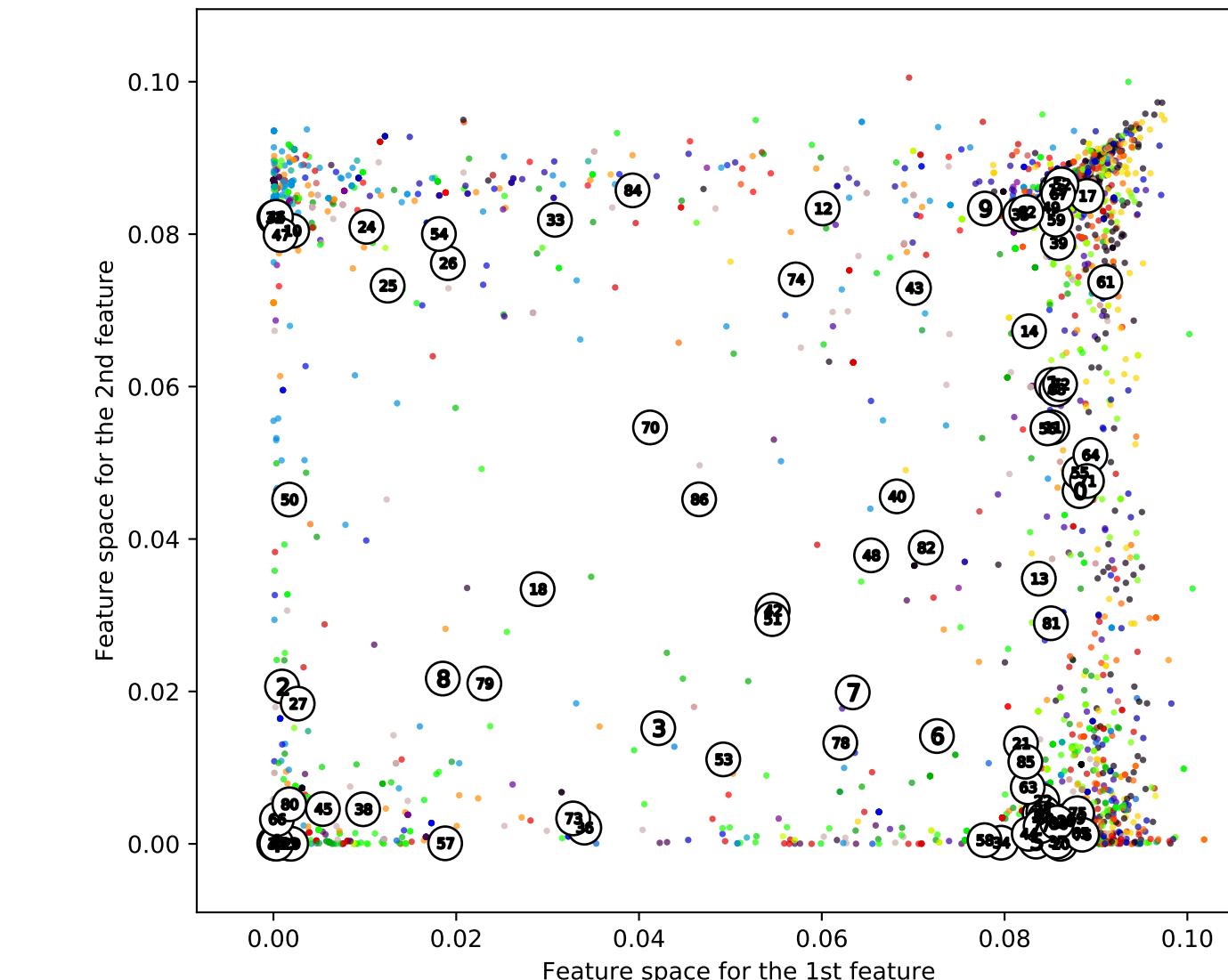


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 87 with Average Silhouette of: 0.430061399936676

The silhouette plot for the various clusters.

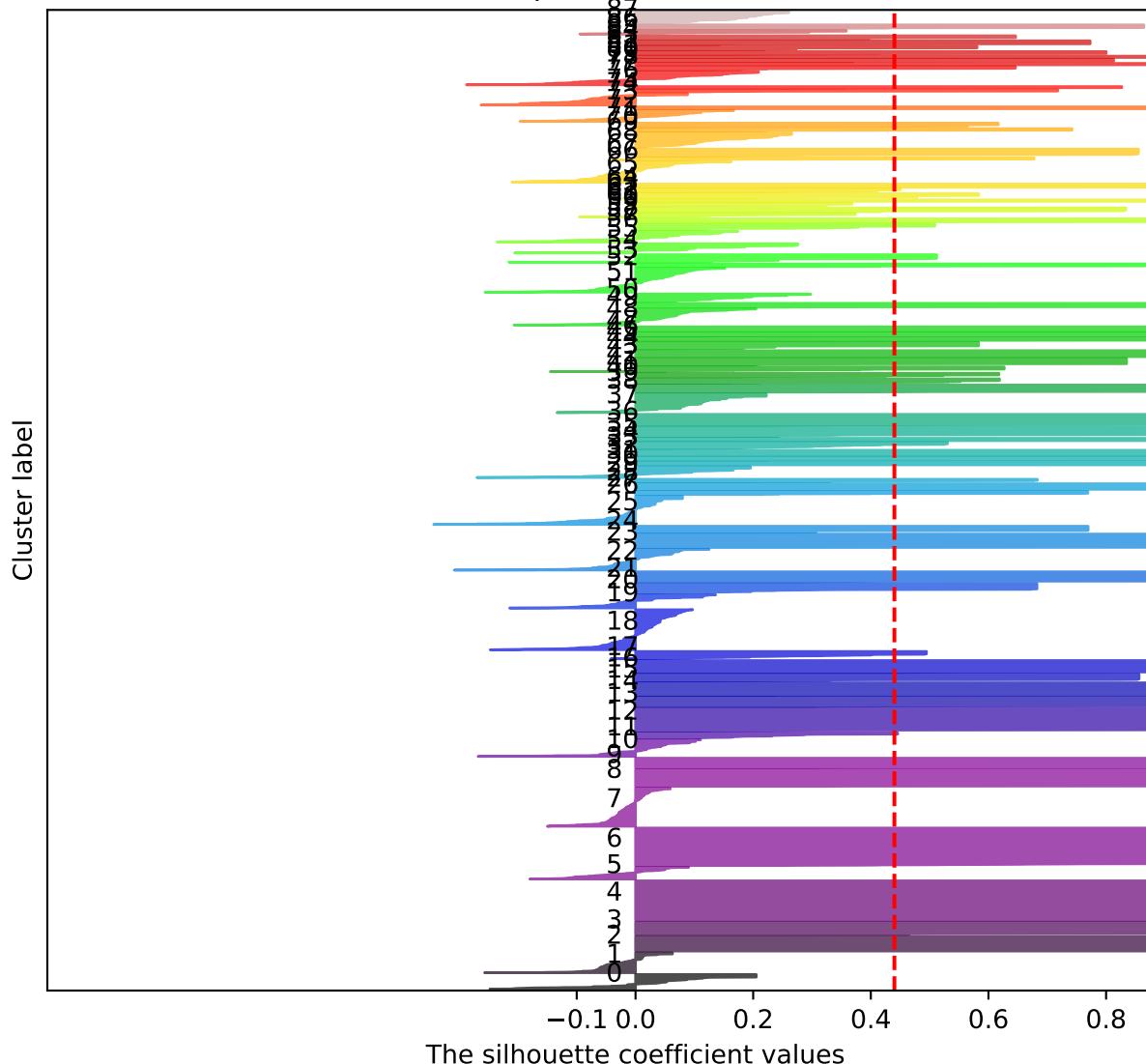


The visualization of the clustered data.

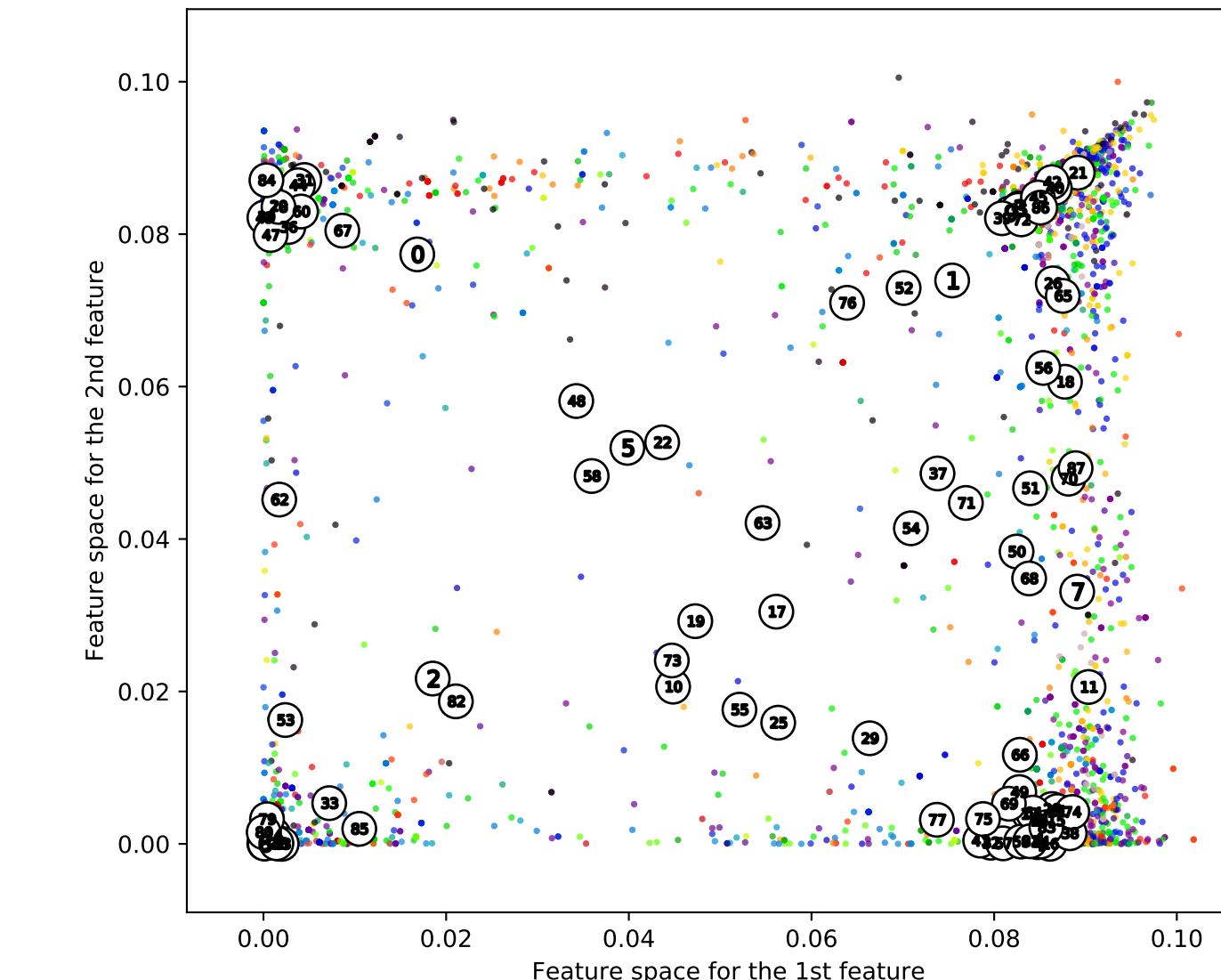


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 88 with Average Silhouette of: 0.4400708079338074

The silhouette plot for the various clusters.

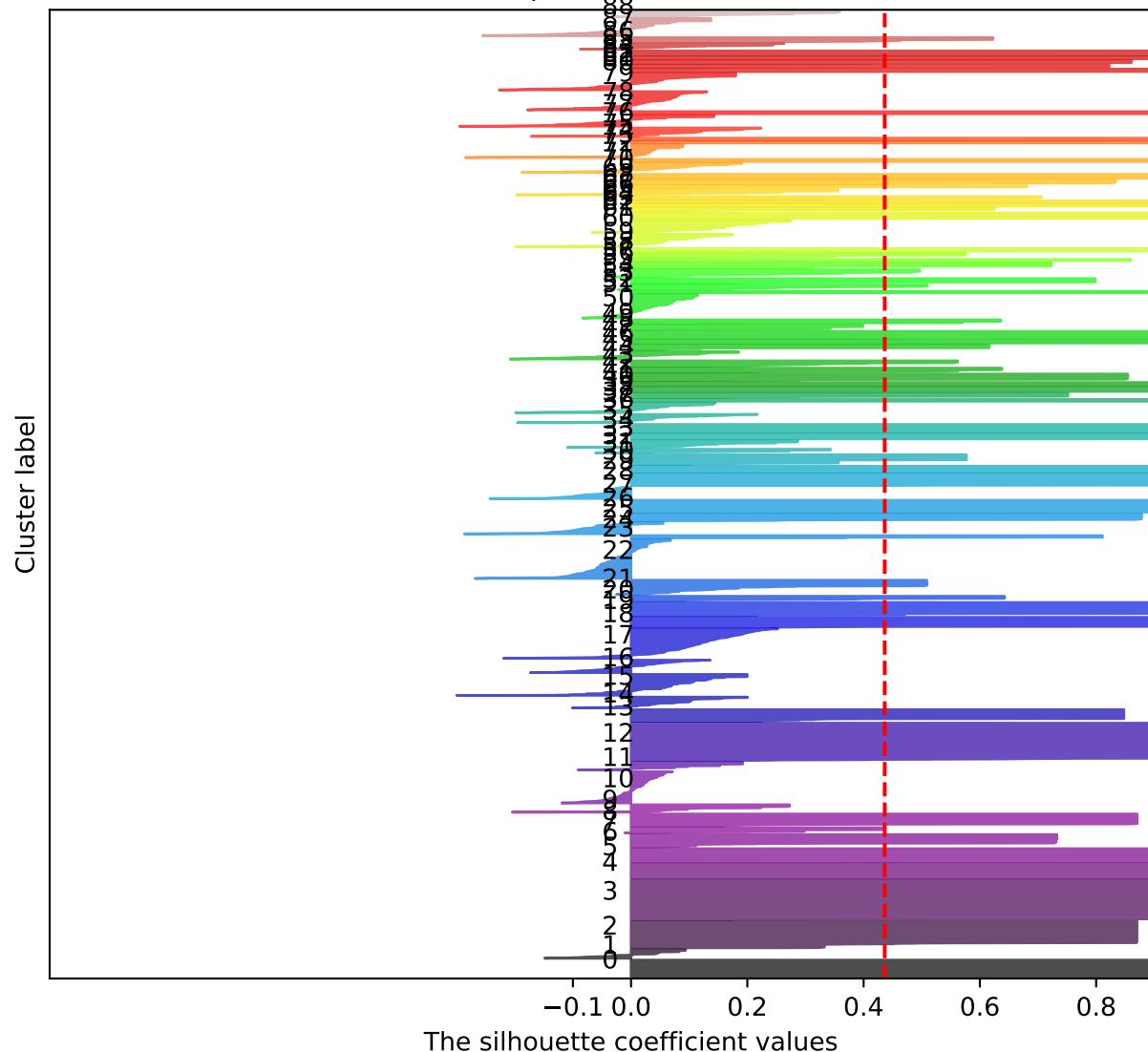


The visualization of the clustered data.

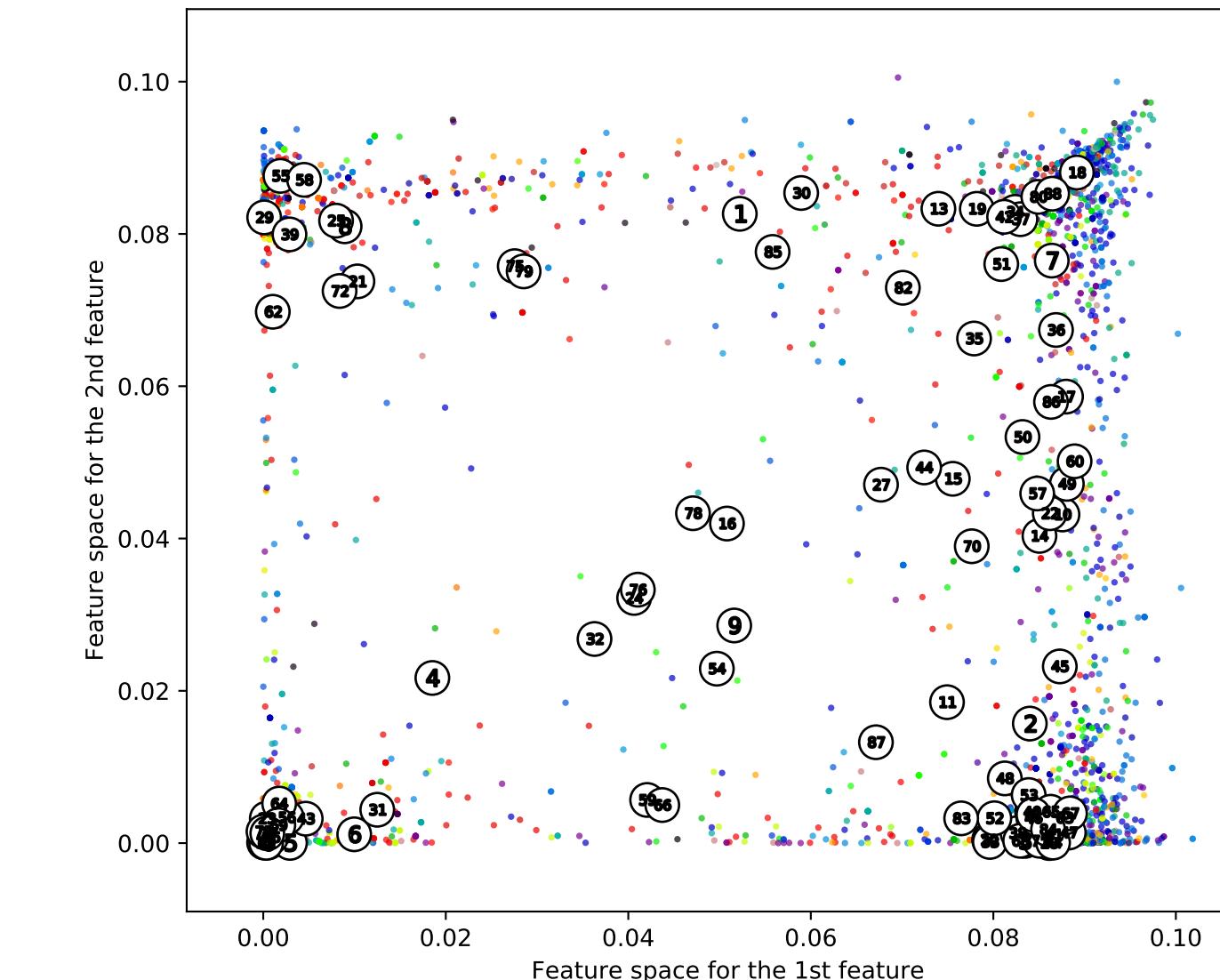


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 89 with Average Silhouette of: 0.4363182485103607

The silhouette plot for the various clusters.

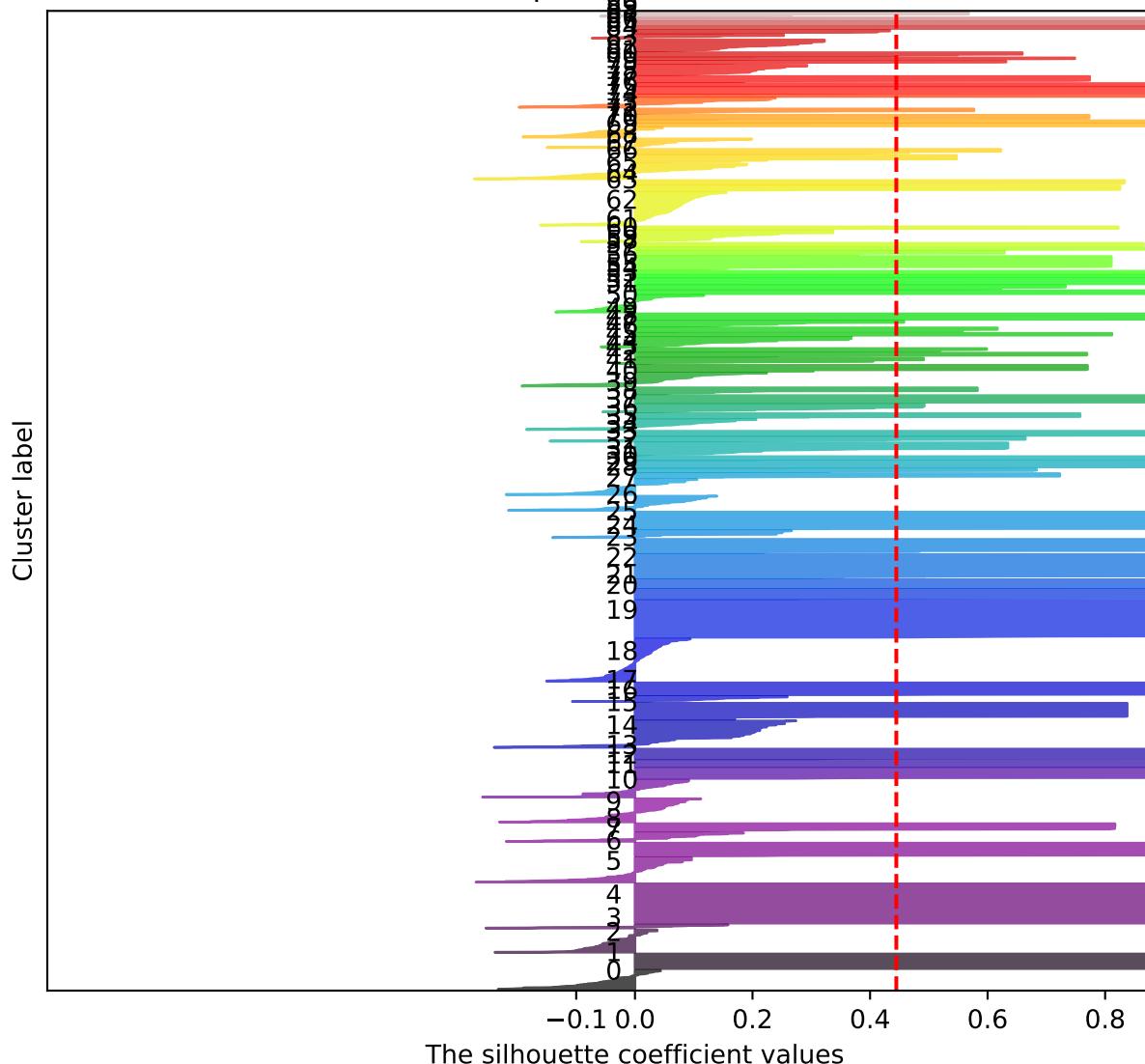


The visualization of the clustered data.

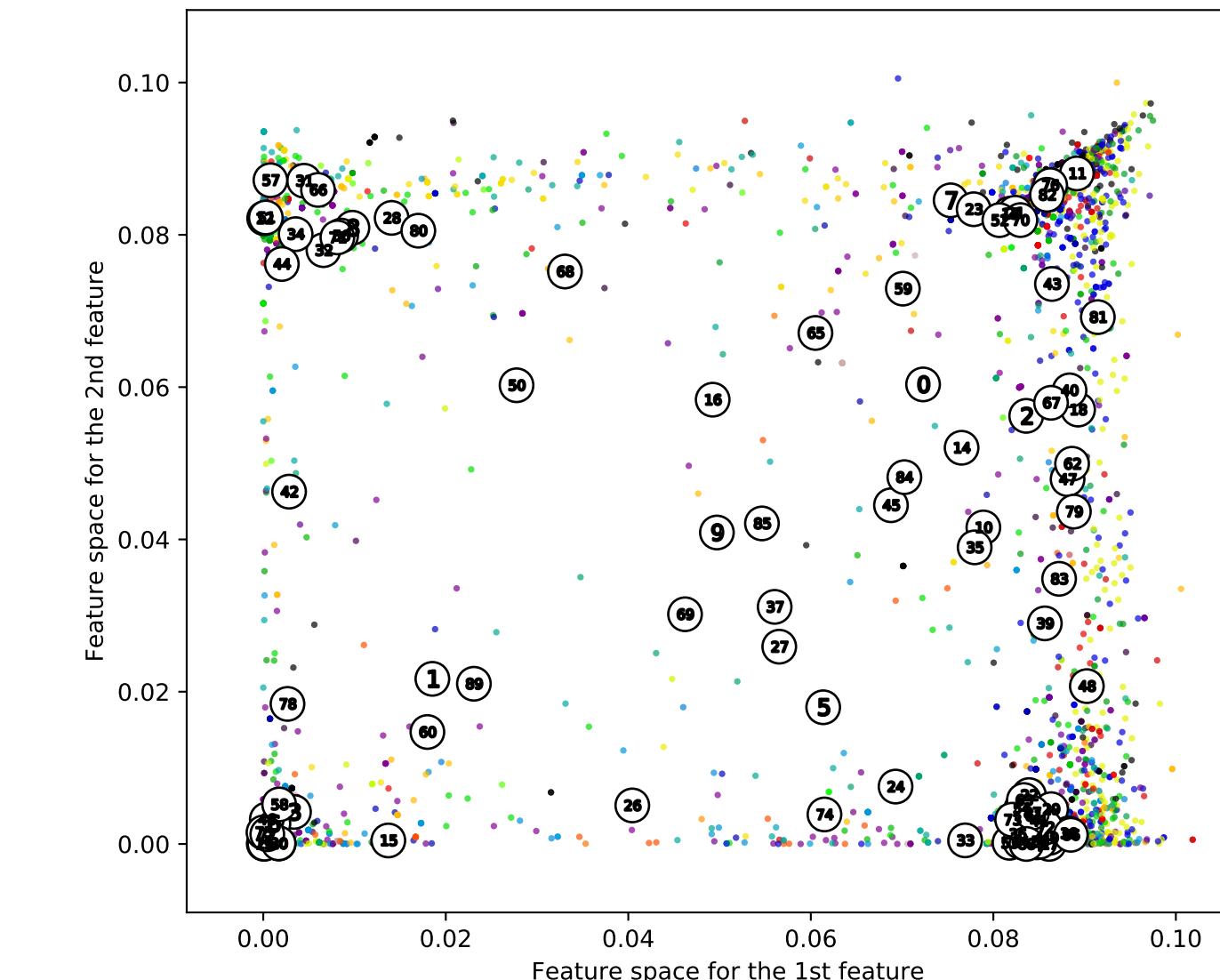


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 90 with Average Silhouette of: 0.4446985423564911

The silhouette plot for the various clusters.

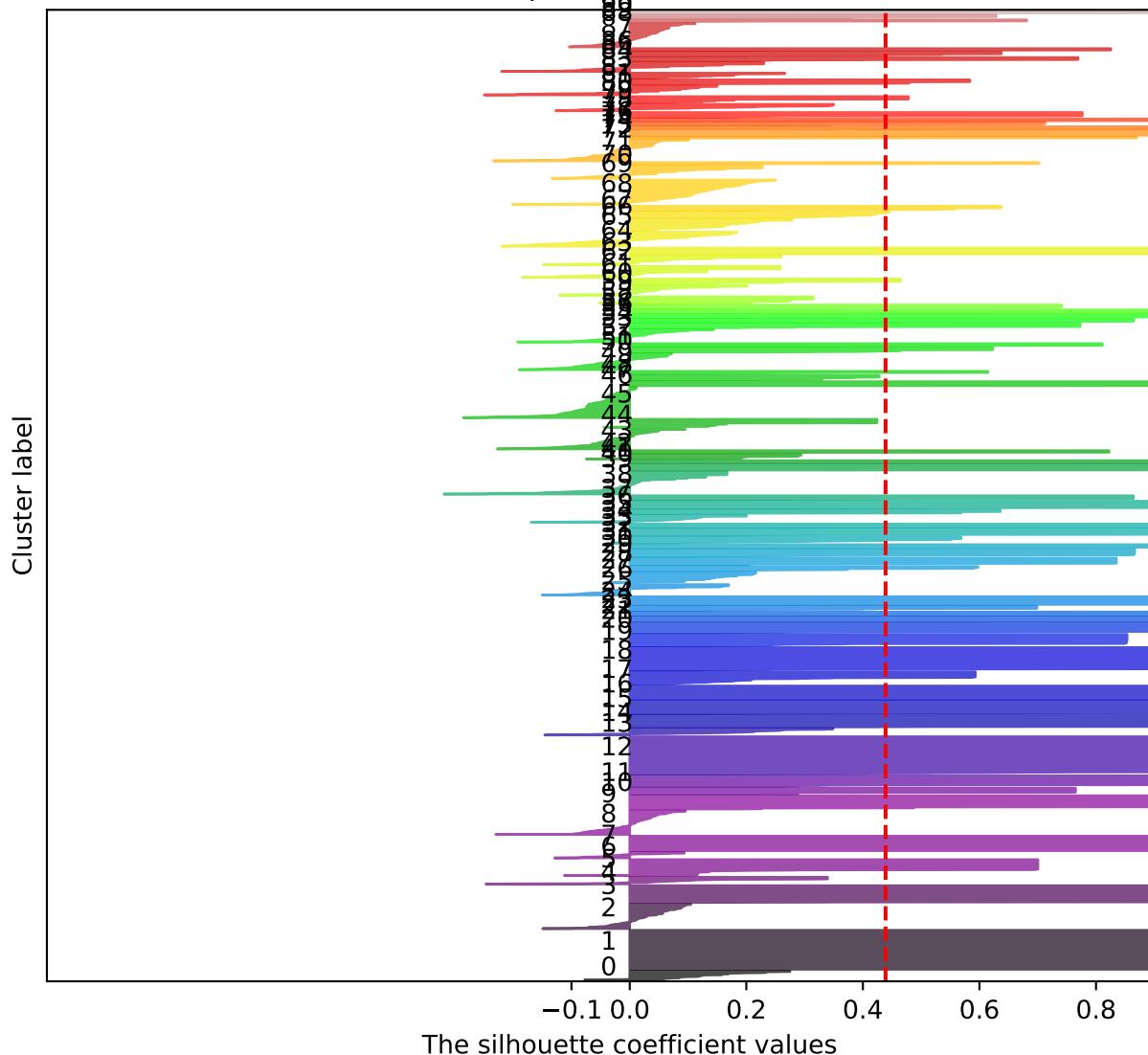


The visualization of the clustered data.

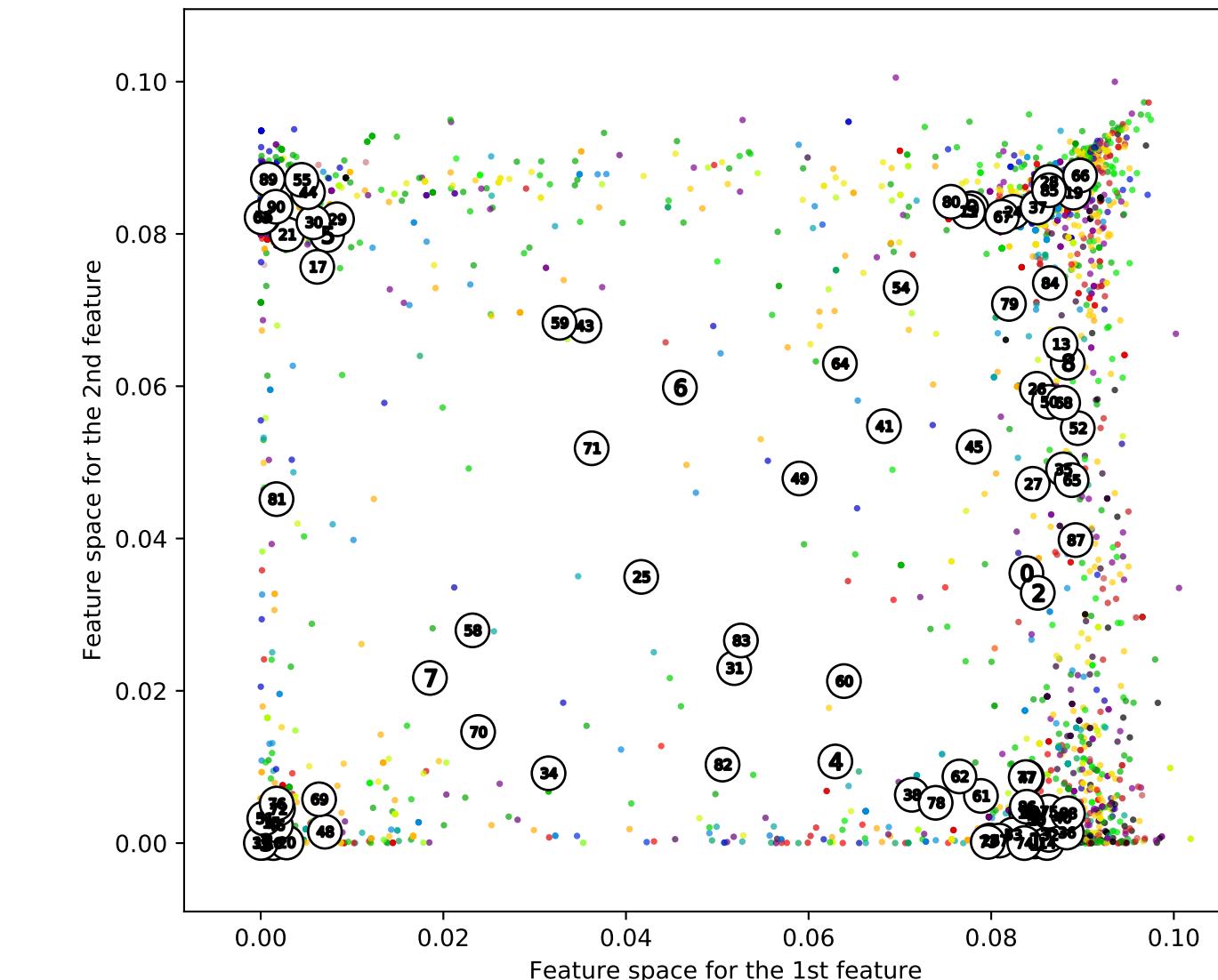


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 91 with Average Silhouette of: 0.4389691948890686

The silhouette plot for the various clusters.

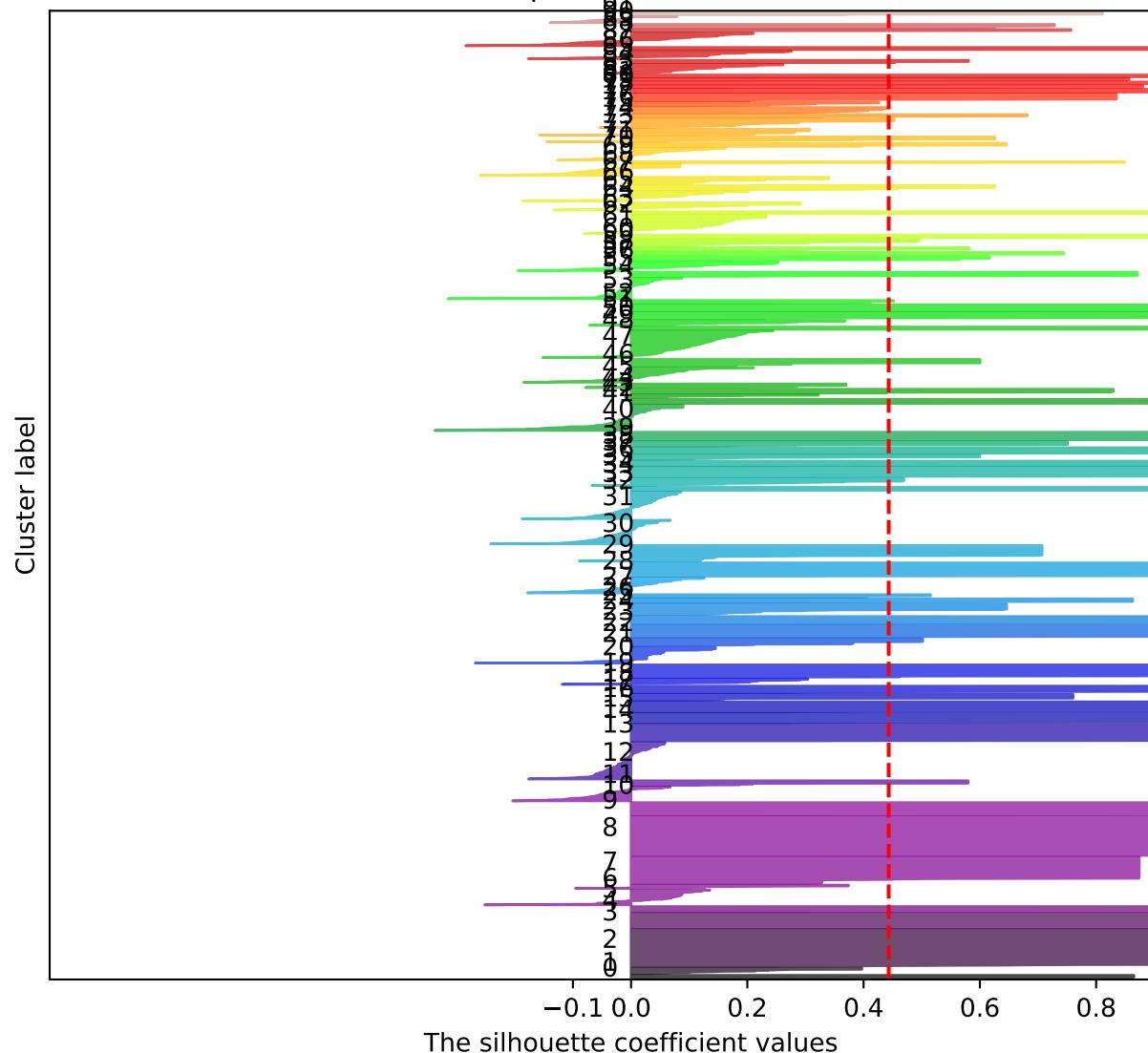


The visualization of the clustered data.

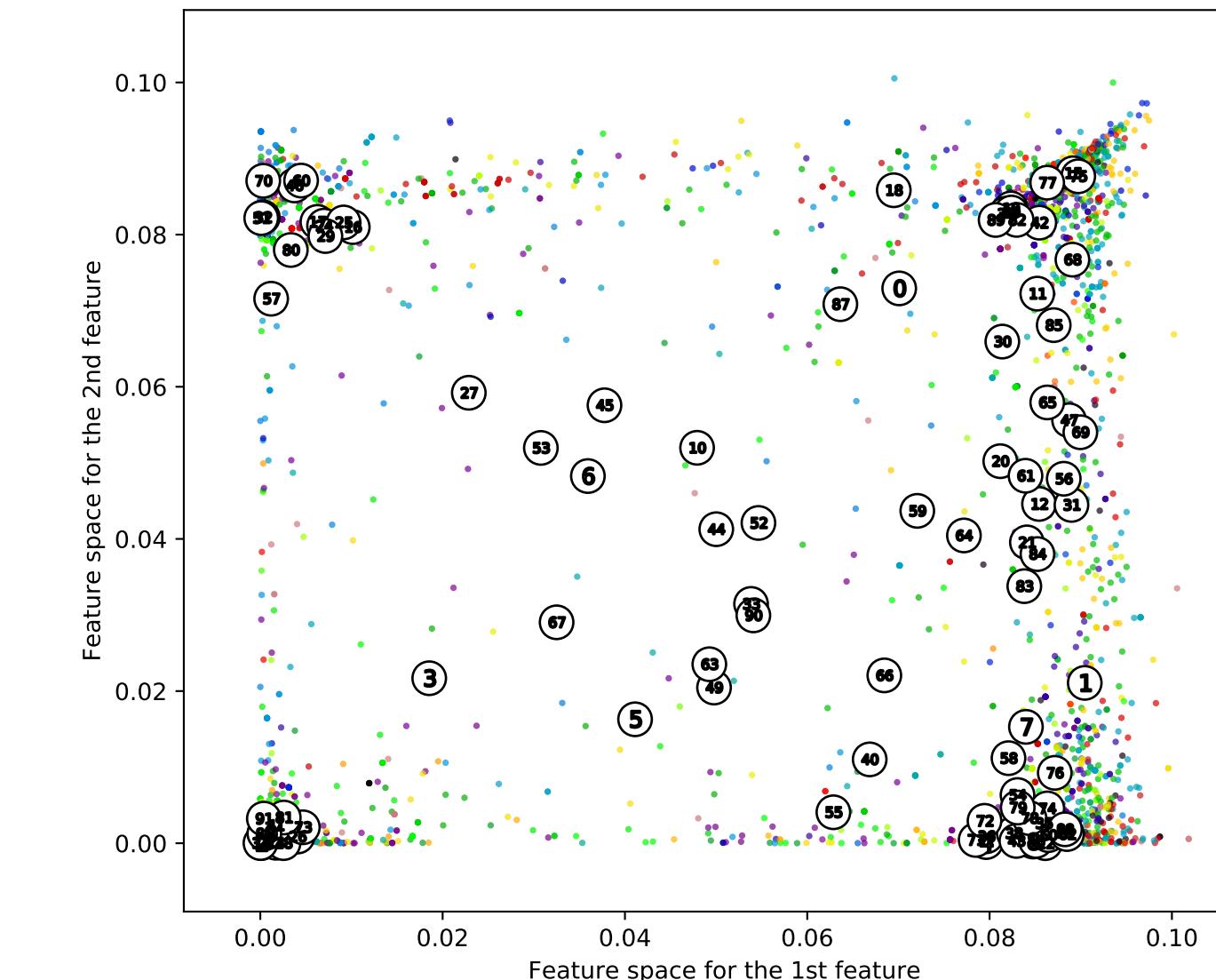


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 92 with Average Silhouette of: 0.4432328939437866

The silhouette plot for the various clusters.

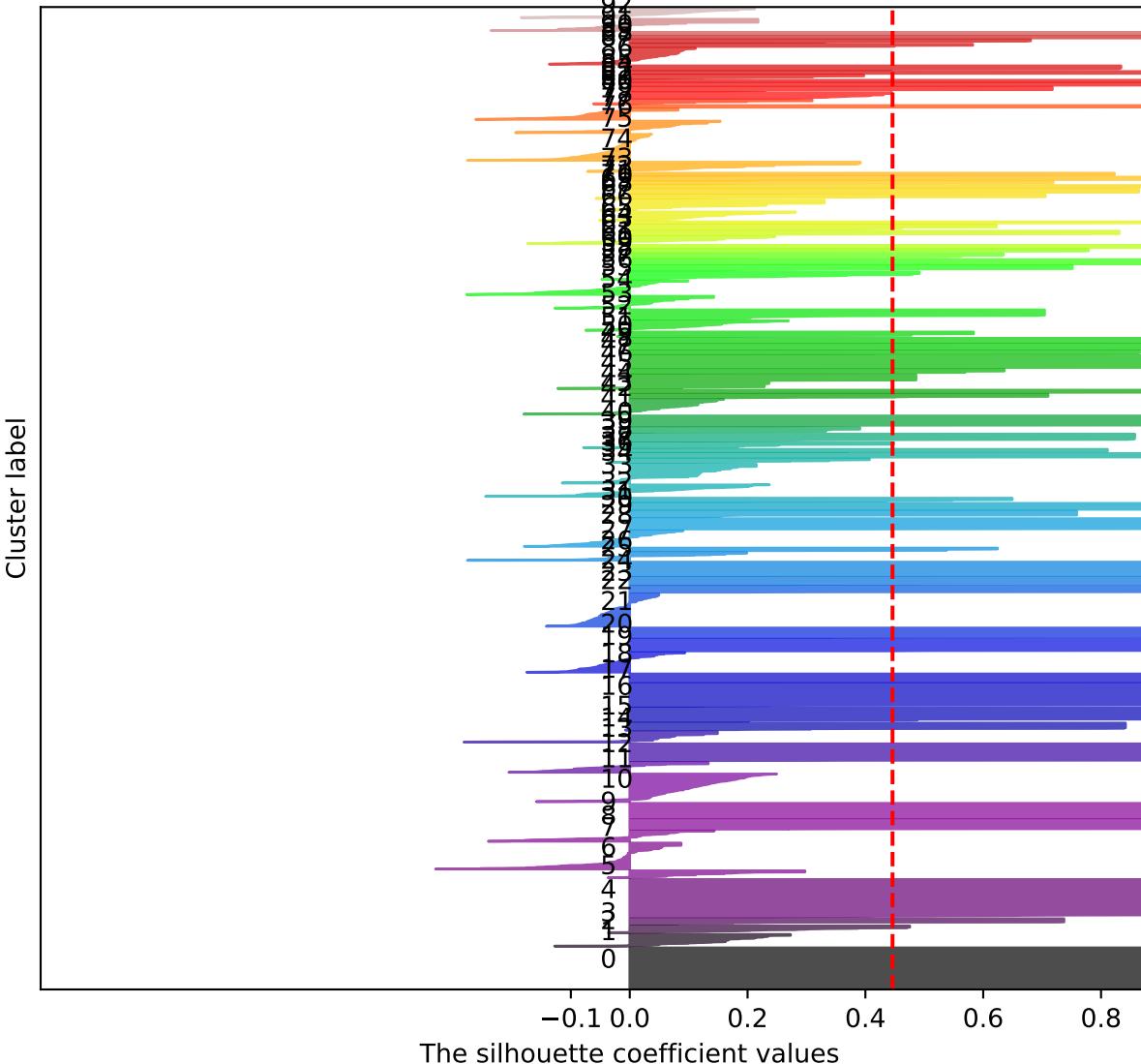


The visualization of the clustered data.

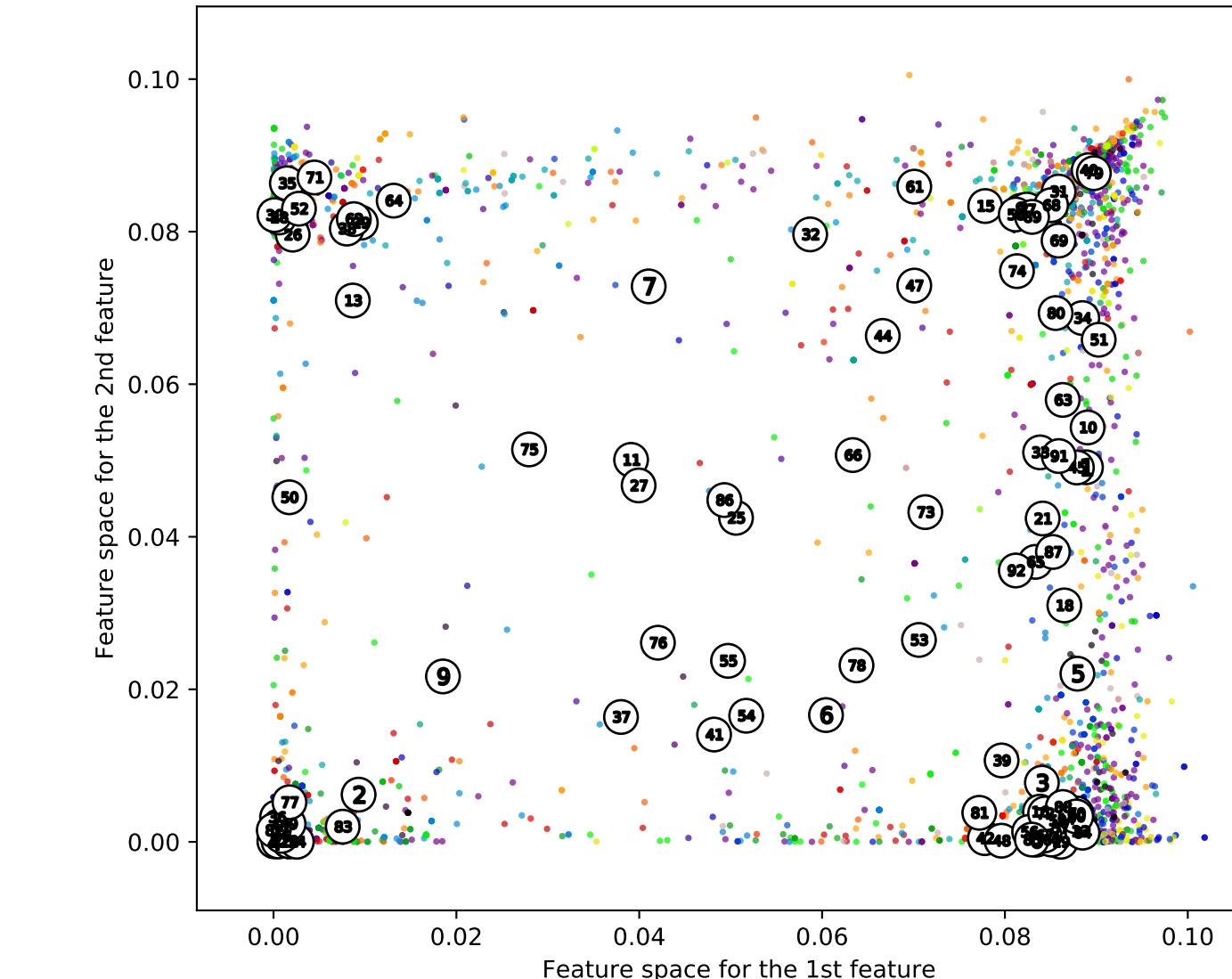


**Silhouette analysis for KMeans clustering on sample data with n\_clusters = 93 with Average Silhouette of: 0.44605717062950134**

The silhouette plot for the various clusters

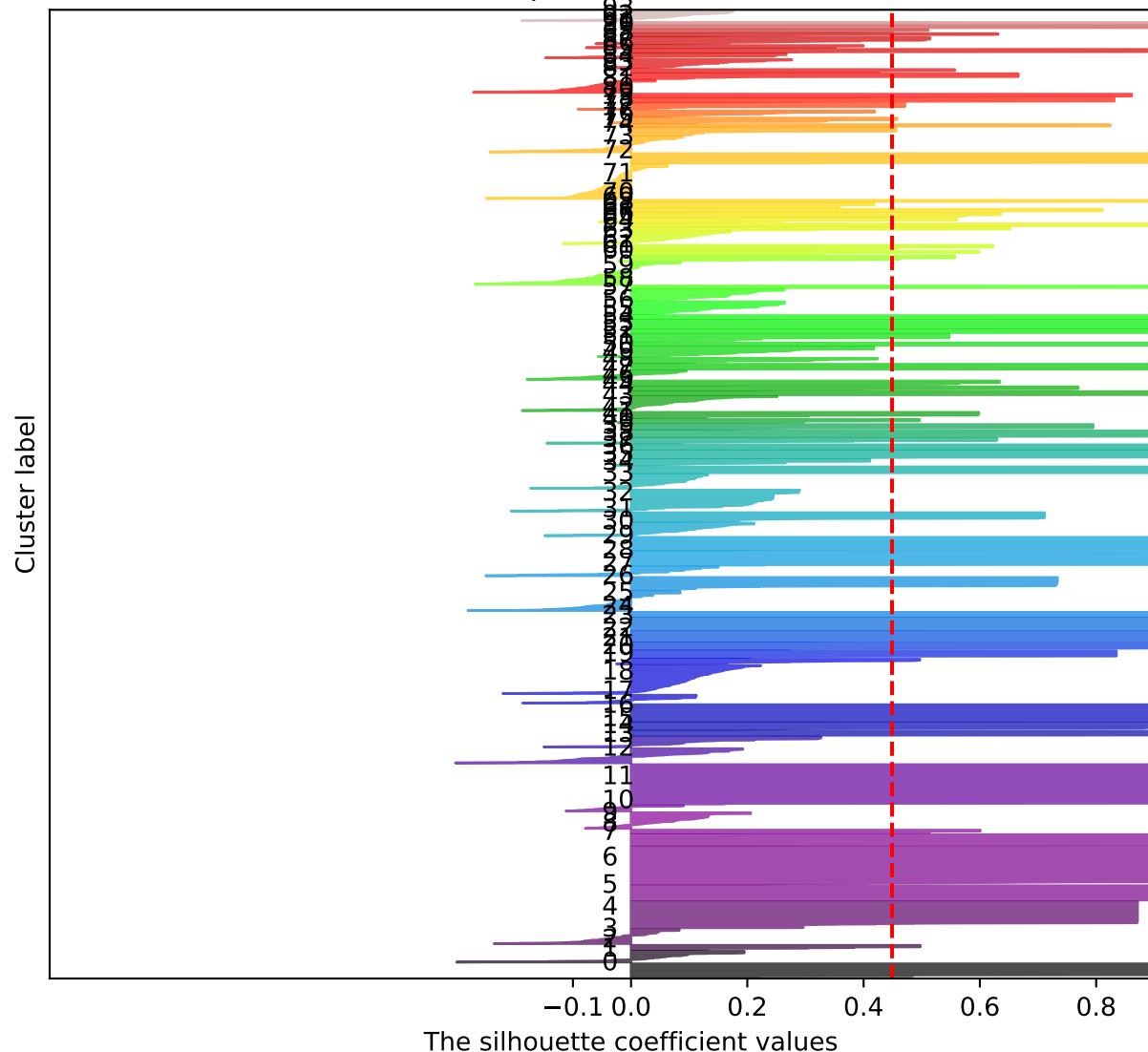


## The visualization of the clustered data

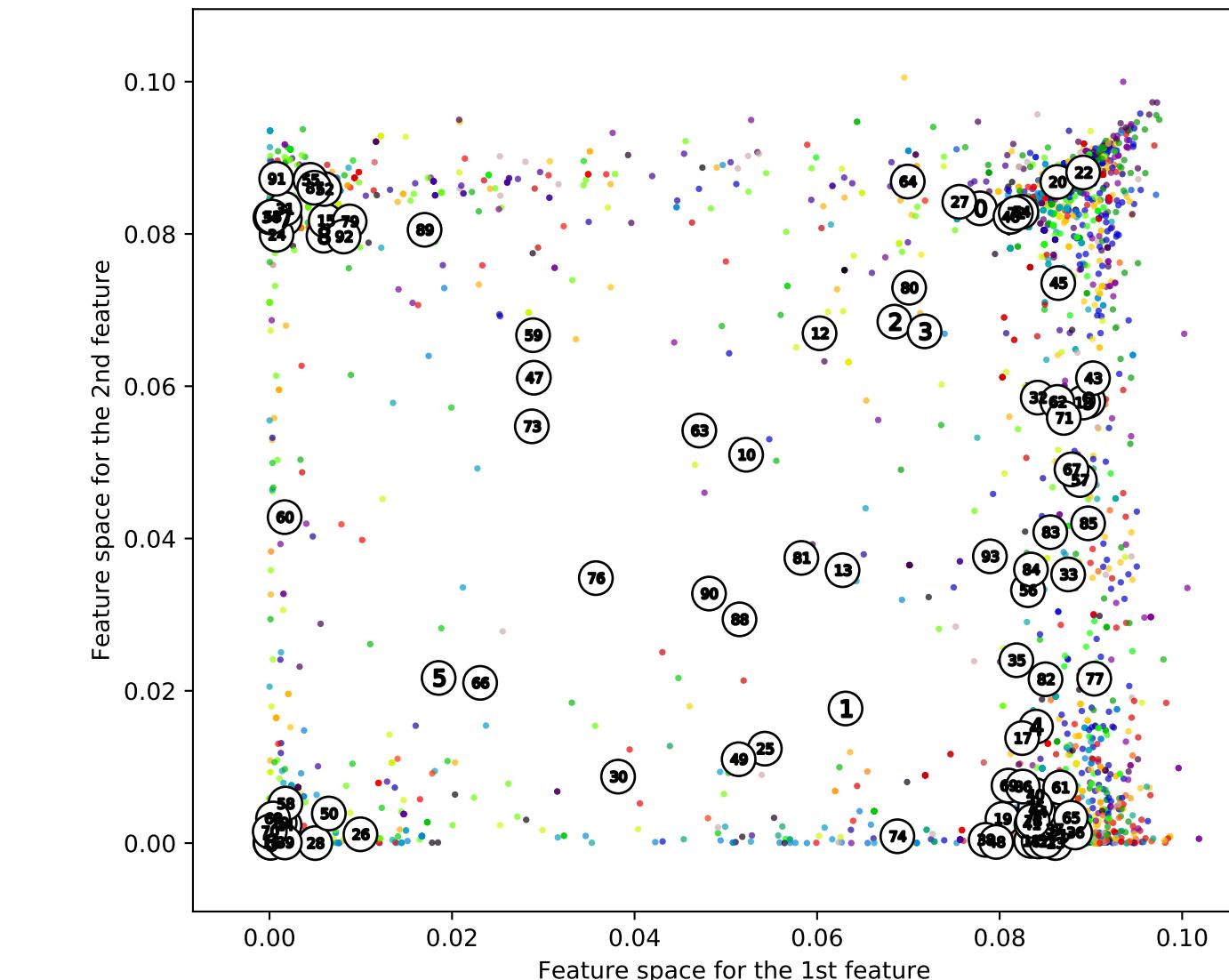


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 94 with Average Silhouette of: 0.4489518404006958

The silhouette plot for the various clusters.

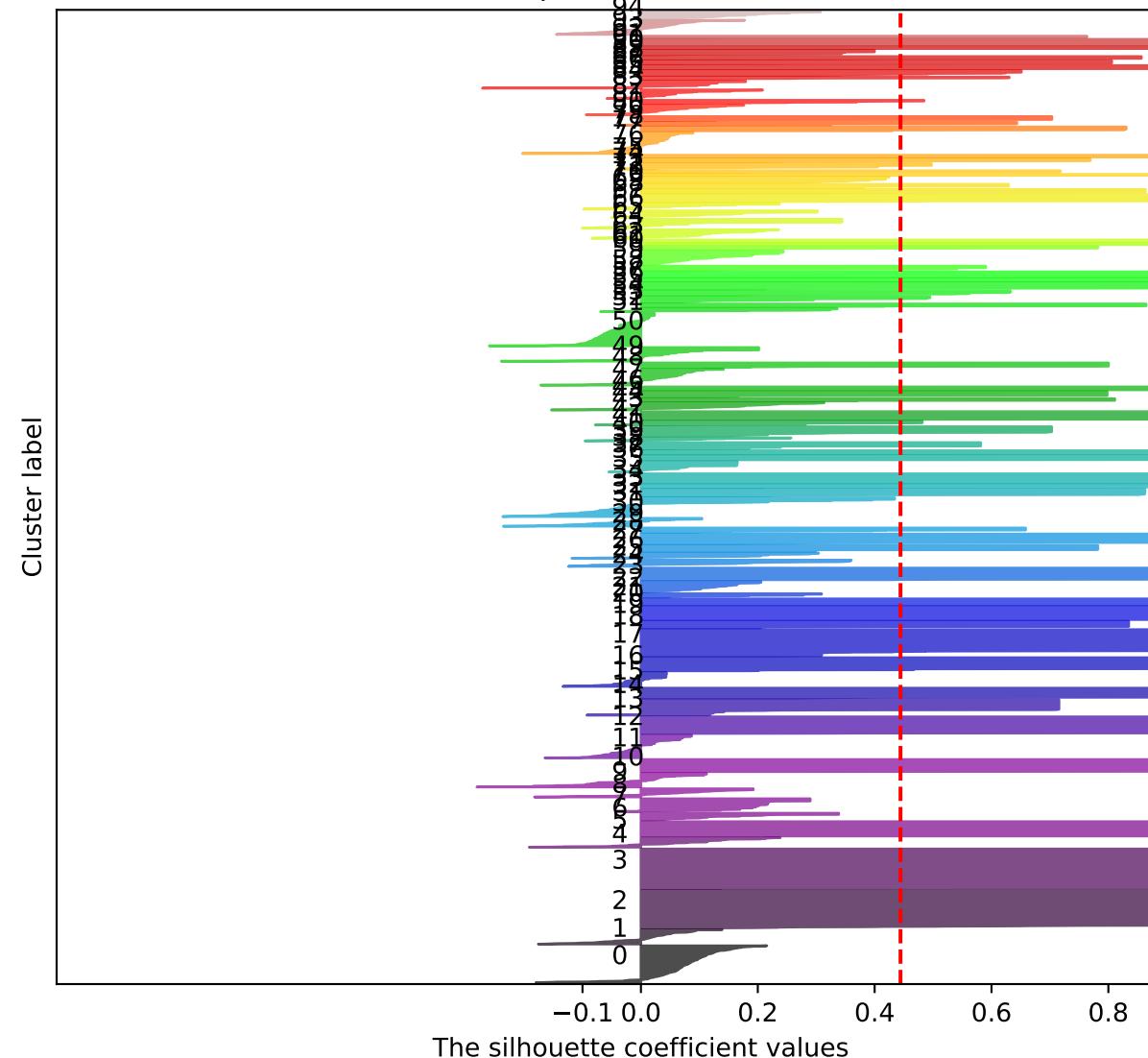


The visualization of the clustered data.

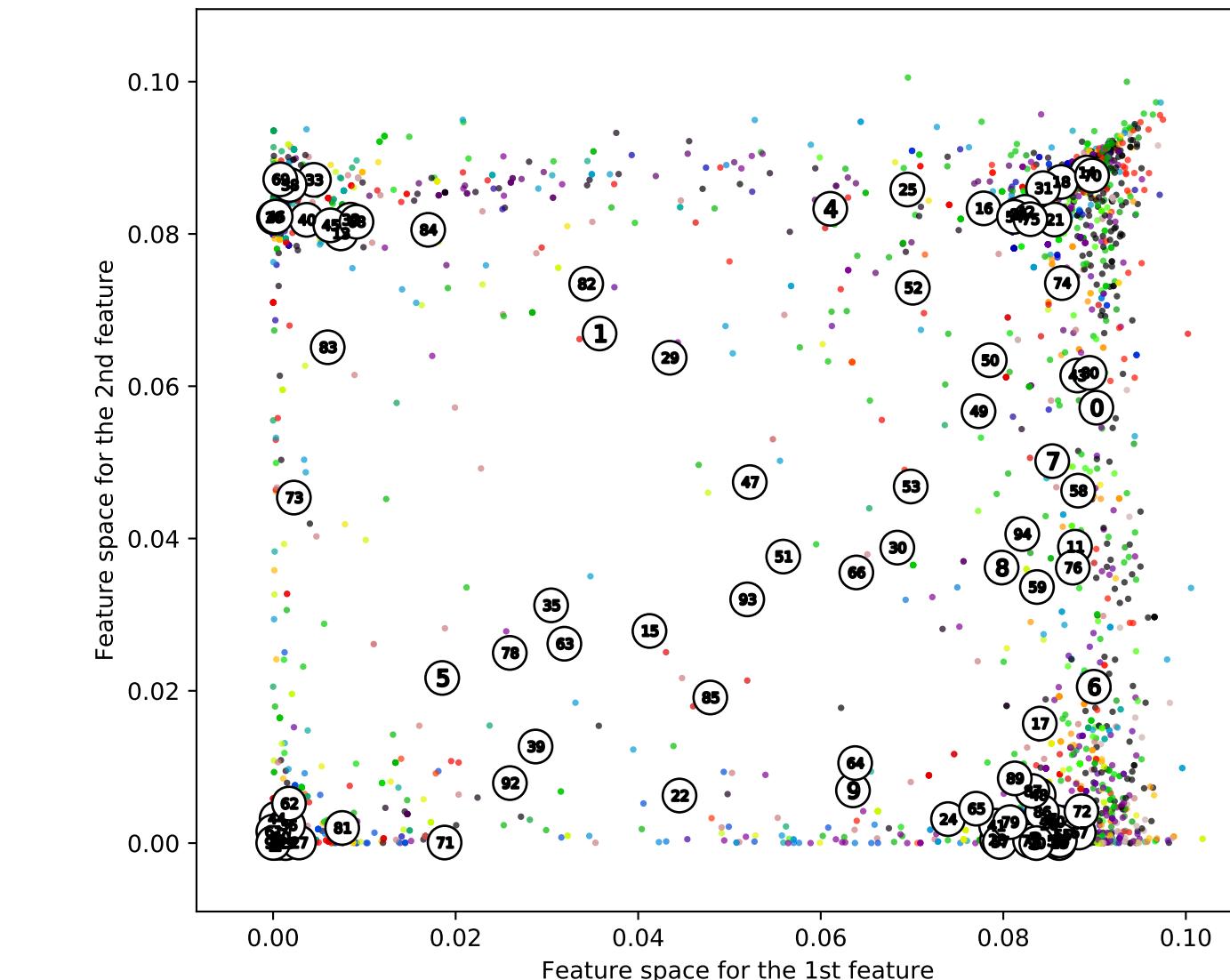


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 95 with Average Silhouette of: 0.44426554441452026

The silhouette plot for the various clusters.

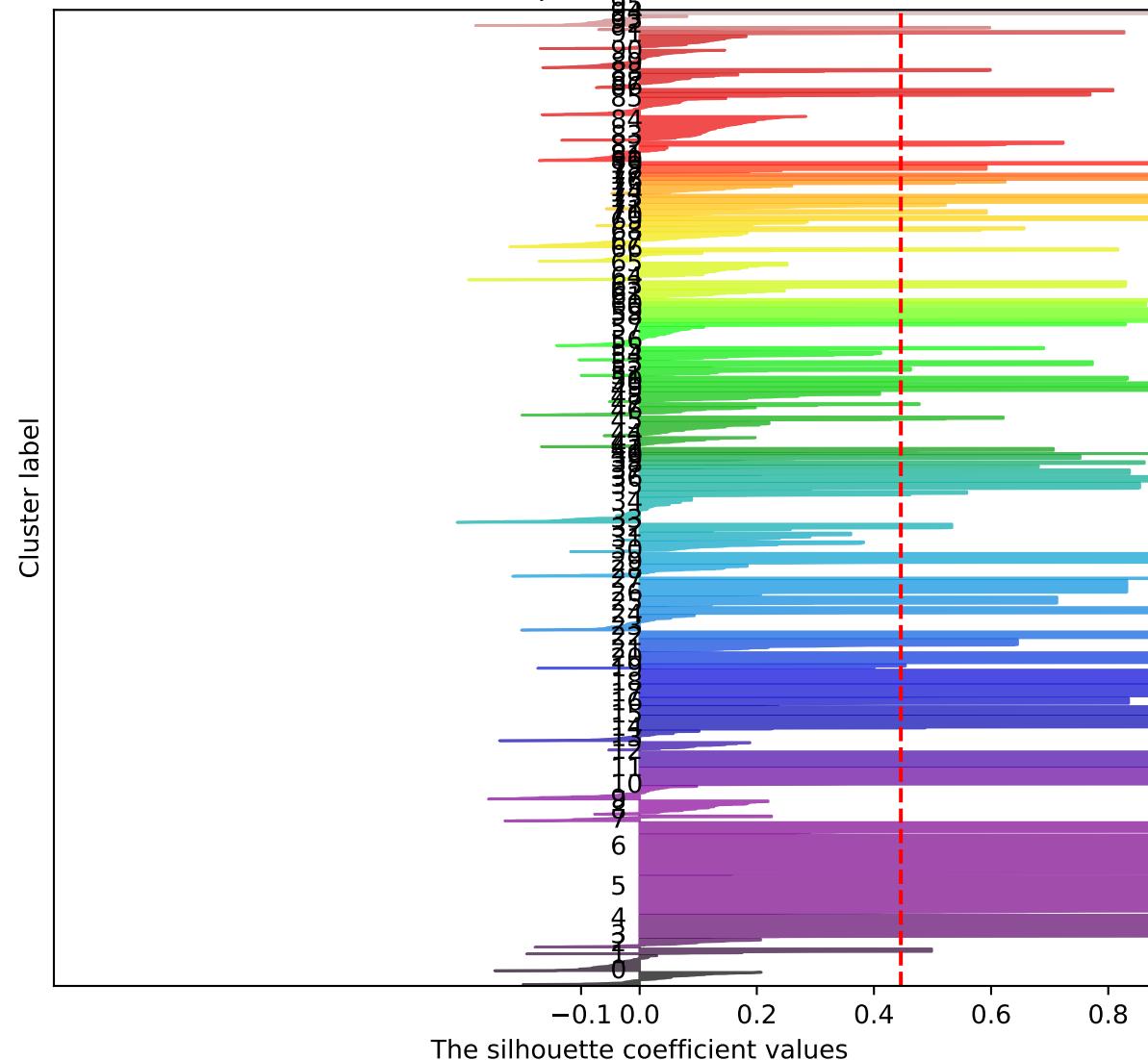


The visualization of the clustered data.

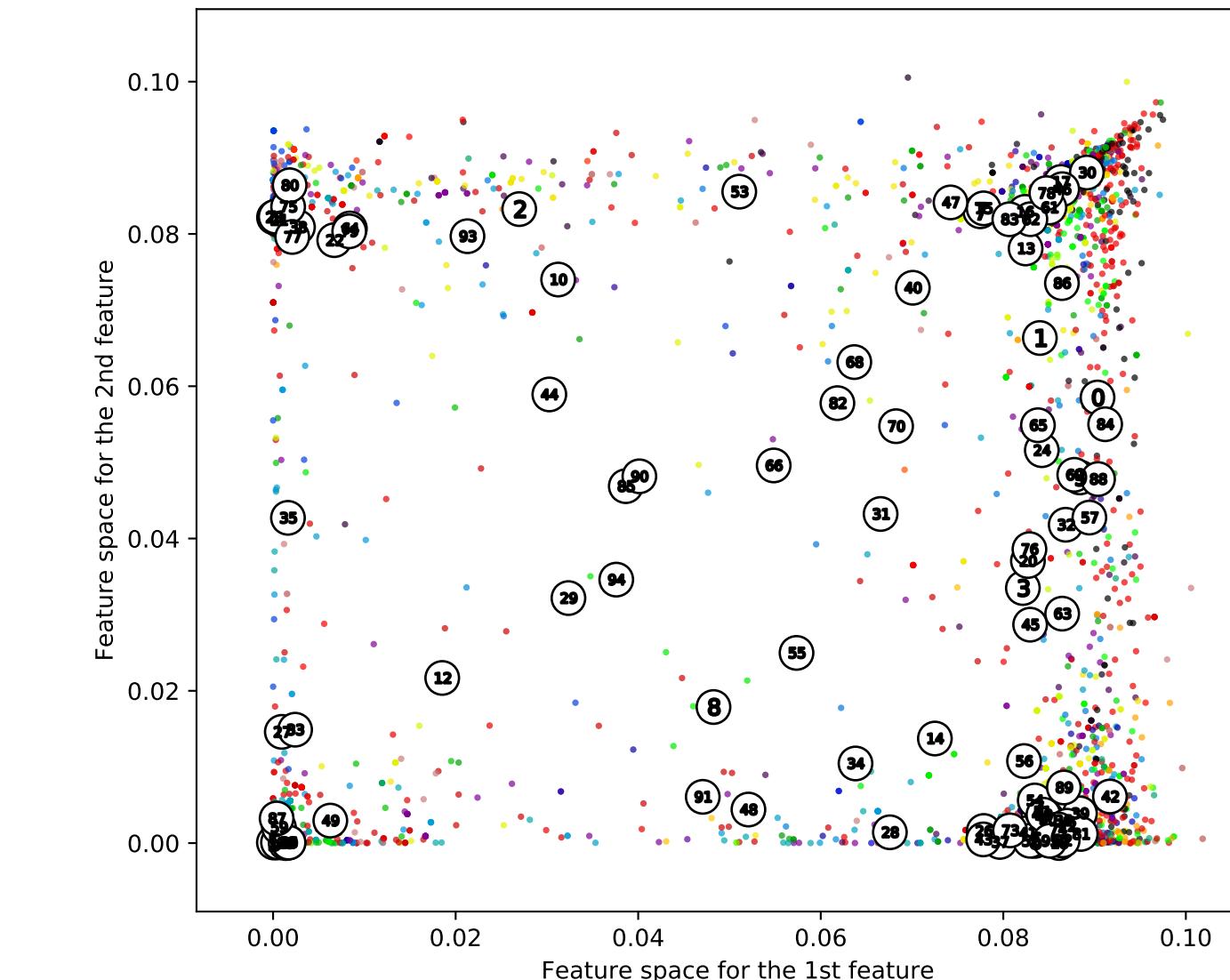


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 96 with Average Silhouette of: 0.4459313750267029

The silhouette plot for the various clusters.

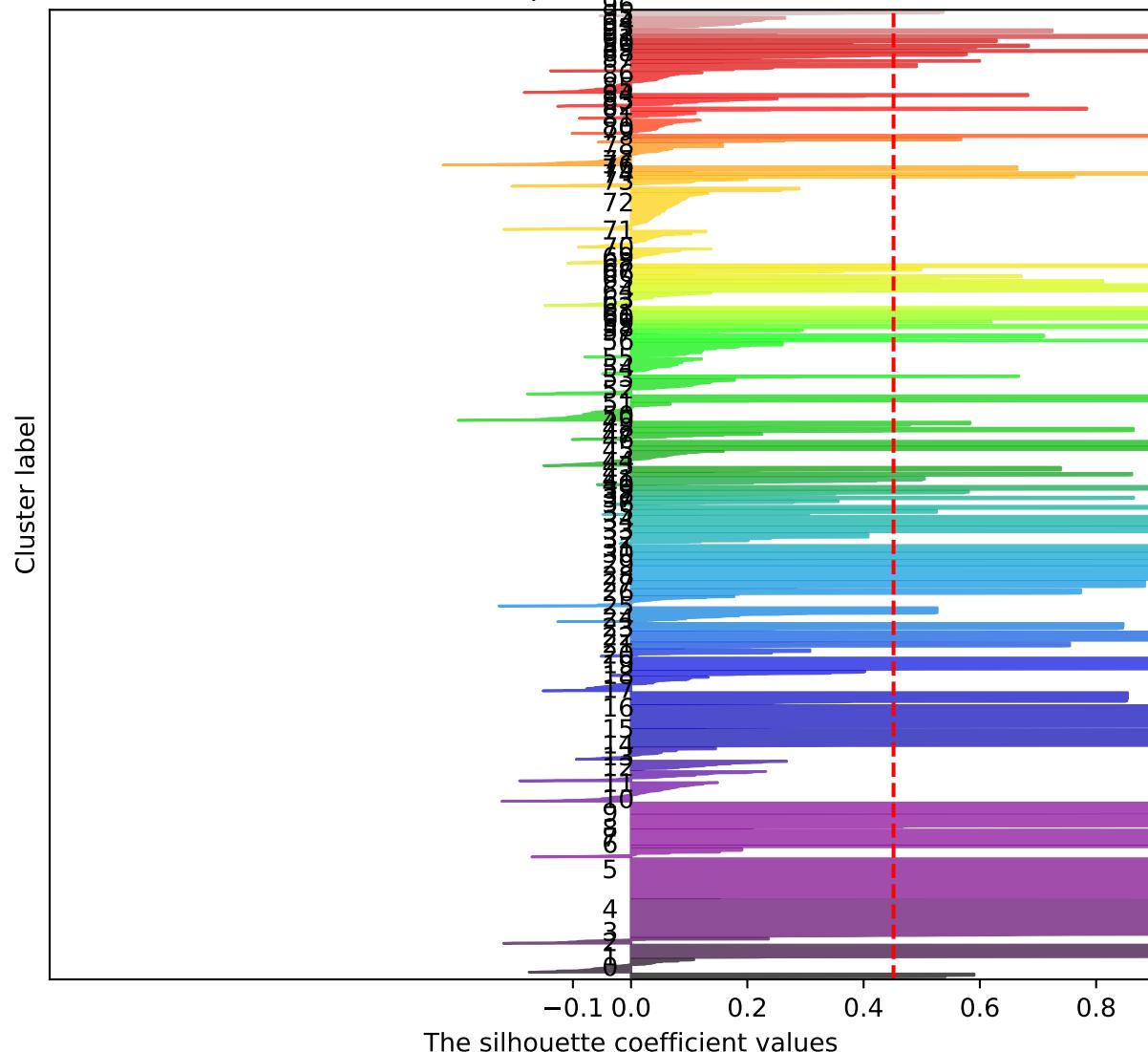


The visualization of the clustered data.

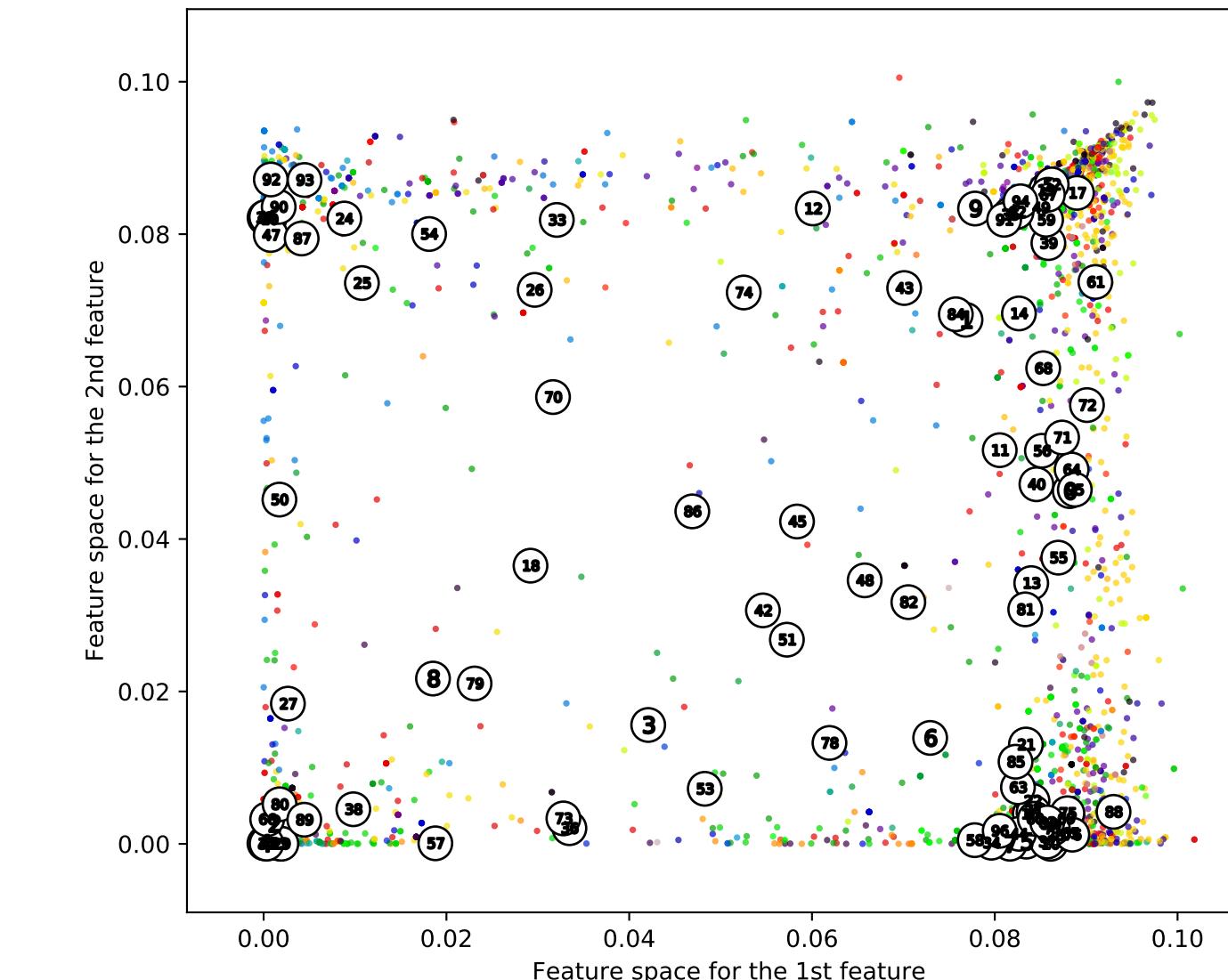


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 97 with Average Silhouette of: 0.4514988362789154

The silhouette plot for the various clusters.

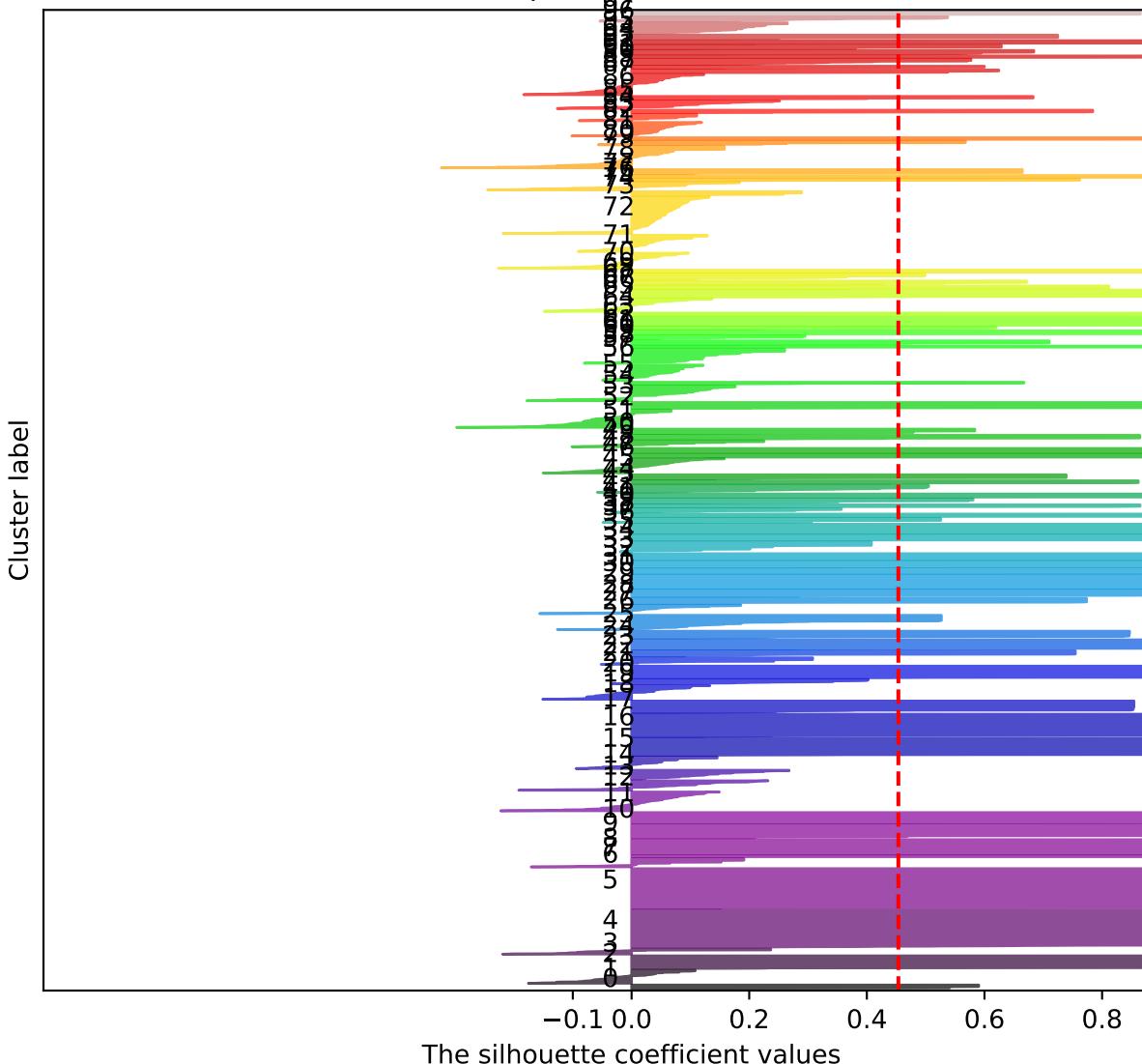


The visualization of the clustered data.

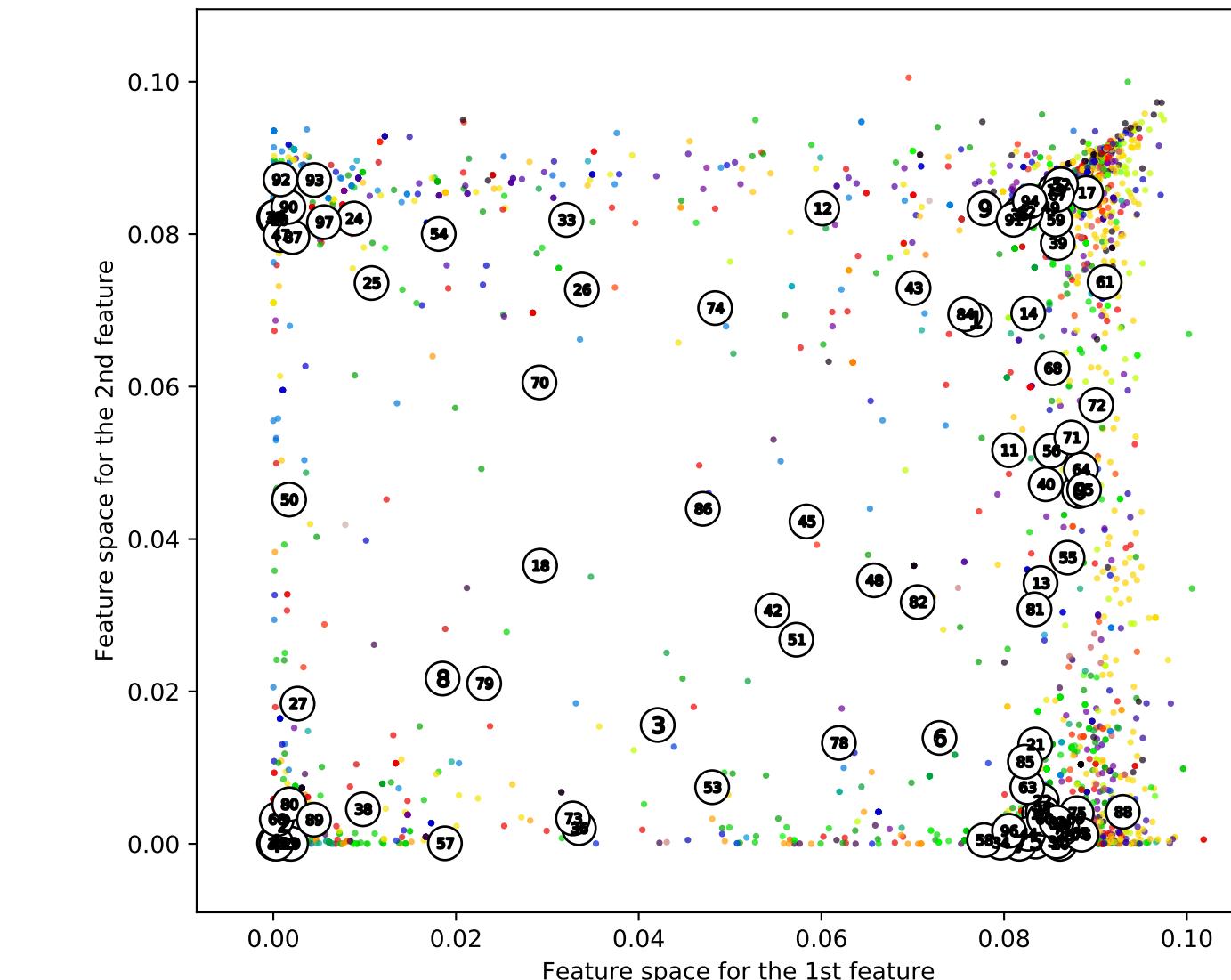


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 98 with Average Silhouette of: 0.4535801410675049

The silhouette plot for the various clusters.

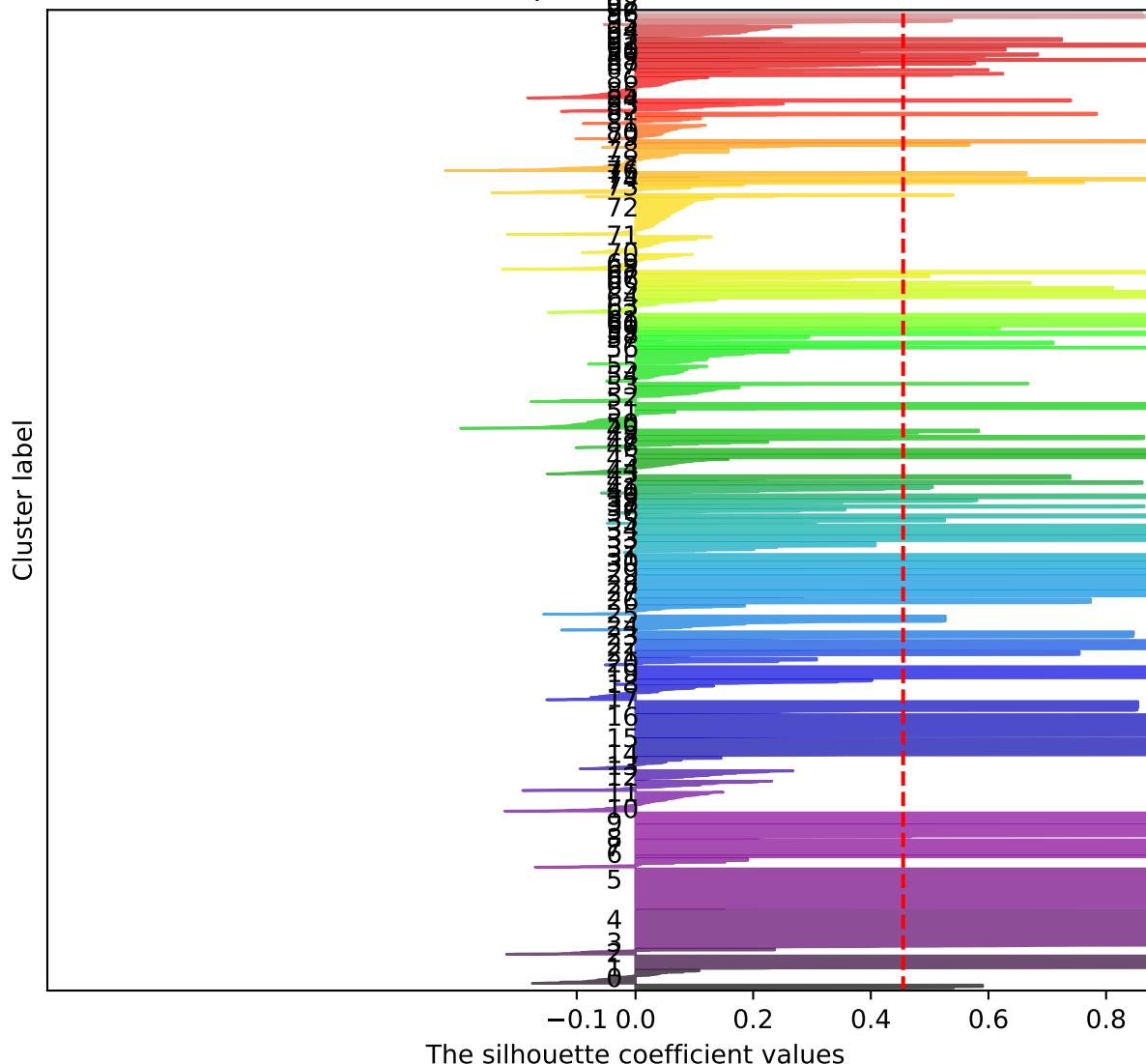


The visualization of the clustered data.

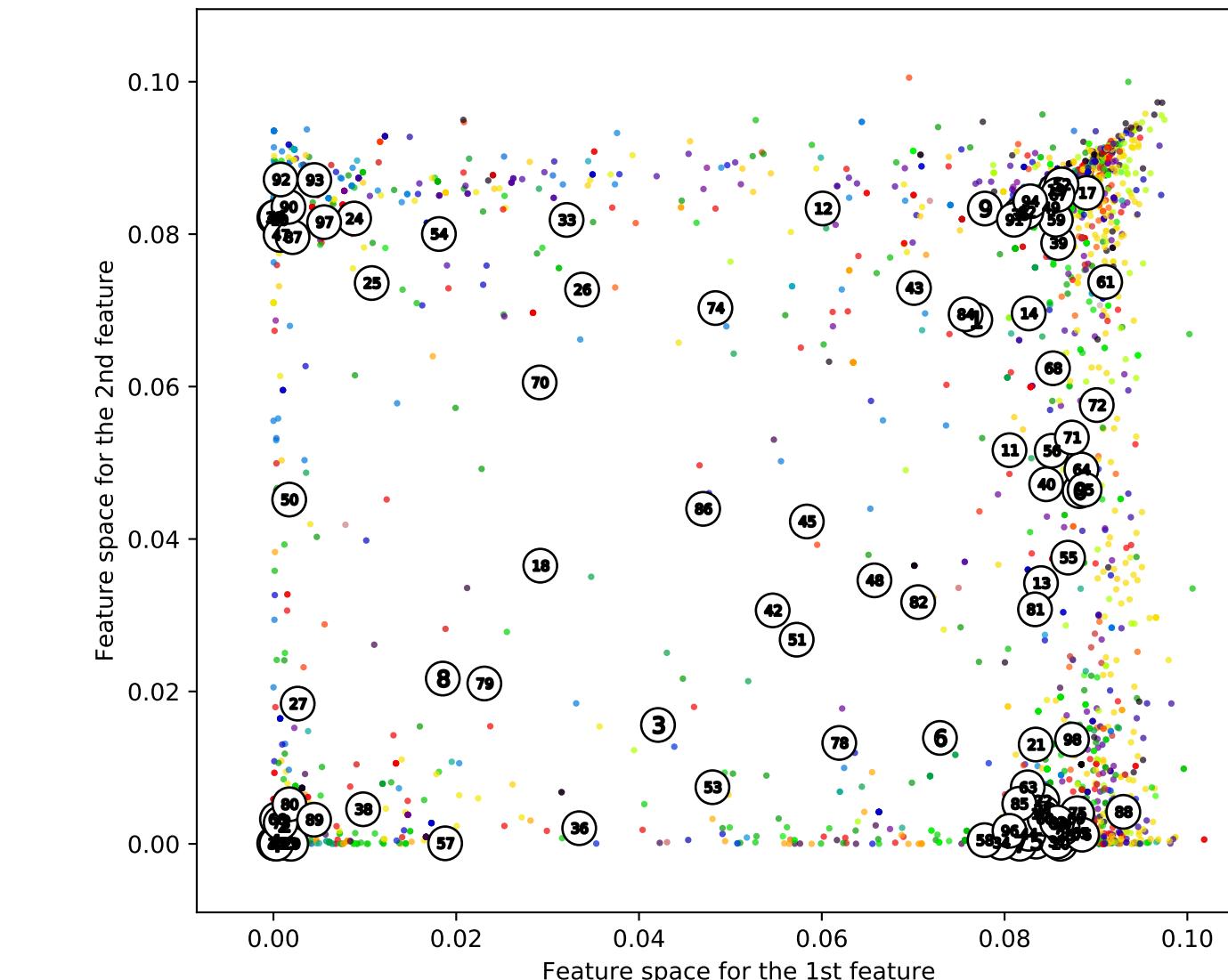


# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 99 with Average Silhouette of: 0.454988956451416

The silhouette plot for the various clusters.

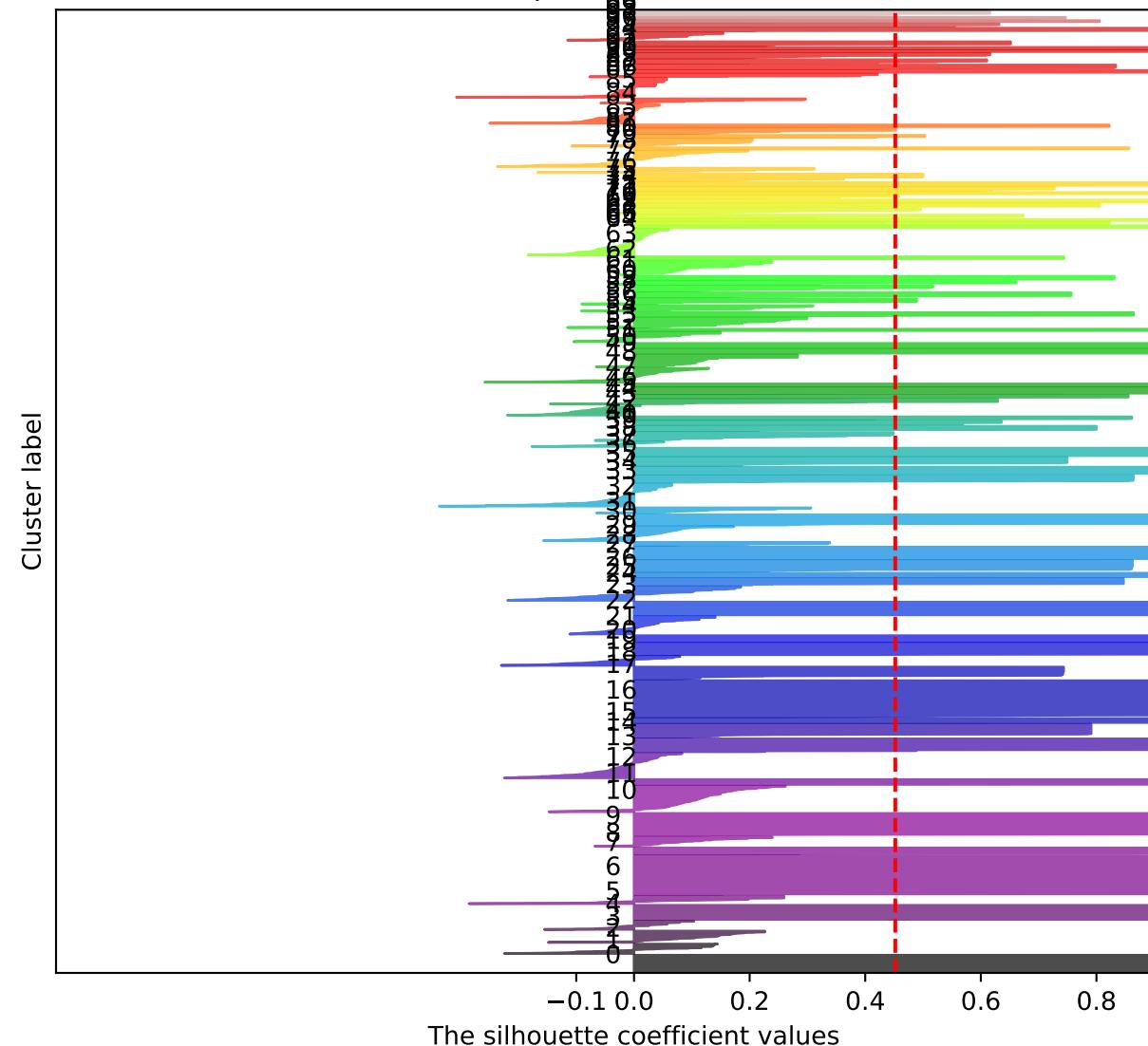


The visualization of the clustered data.



# Silhouette analysis for KMeans clustering on sample data with n\_clusters = 100 with Average Silhouette of: 0.4519862234592438

The silhouette plot for the various clusters.



The visualization of the clustered data.

