```
In [103]: runfile('F:/project/python/AR/
clusterData.py', wdir='F:/project/python/AR')
Reloaded modules: utils
euclidean
col  138
{'-1': 5, '0': 43, '1': 0}
euclidean
col  139
{'-1': 6, '0': 42, '1': 0}
euclidean
col  140
{'-1': 6, '0': 42, '1': 0}
euclidean
col  141
{'-1': 6, '0': 42, '1': 0}
euclidean
col  142
{'-1': 7, '0': 41, '1': 0}
euclidean
col  143
{'-1': 7, '0': 41, '1': 0}
euclidean
col  144
{'-1': 7, '0': 41, '1': 0}
euclidean
col  145
{'-1': 8, '0': 40, '1': 0}
euclidean
col  146
{'-1': 8, '0': 40, '1': 0}
euclidean
col  147
{'-1': 8, '0': 40, '1': 0}
```

```
euclidean
col  148
{'-1': 8, '0': 40, '1': 0}
euclidean
col  149
{'-1': 8, '0': 40, '1': 0}
euclidean
col  150
{'-1': 8, '0': 40, '1': 0}
euclidean
col  151
{'-1': 8, '0': 40, '1': 0}
euclidean
col  152
{'-1': 9, '0': 39, '1': 0}
euclidean
col  153
{'-1': 9, '0': 39, '1': 0}
euclidean
col  154
{'-1': 9, '0': 39, '1': 0}
euclidean
col  155
{'-1': 9, '0': 39, '1': 0}
euclidean
col  156
{'-1': 9, '0': 39, '1': 0}
euclidean
col  157
{'-1': 10, '0': 38, '1': 0}
euclidean
col  158
{'-1': 11, '0': 37, '1': 0}
euclidean
col  159
```

```
{'-1': 10, '0': 38, '1': 0}

In [104]: runfile('F:/project/python/AR/
clusterData.py', wdir='F:/project/python/AR')
Reloaded modules: utils
euclidean
col  138
{'-1': 12, '0': 36, '1': 0}
euclidean
col  139
{'-1': 12, '0': 36, '1': 0}
euclidean
col  140
{'-1': 12, '0': 36, '1': 0}
euclidean
col  141
{'-1': 13, '0': 35, '1': 0}
euclidean
col  142
{'-1': 15, '0': 33, '1': 0}
euclidean
col  143
{'-1': 15, '0': 33, '1': 0}
euclidean
col  144
{'-1': 15, '0': 33, '1': 0}
euclidean
col  145
{'-1': 15, '0': 33, '1': 0}
euclidean
col  146
{'-1': 15, '0': 33, '1': 0}
euclidean
col  147
{'-1': 18, '0': 30, '1': 0}
```

```
euclidean
col  148
{'-1': 19, '0': 29, '1': 0}
euclidean
col  149
{'-1': 20, '0': 28, '1': 0}
euclidean
col  150
{'-1': 20, '0': 28, '1': 0}
euclidean
col  151
{'-1': 20, '0': 28, '1': 0}
euclidean
col  152
{'-1': 20, '0': 28, '1': 0}
euclidean
col  153
{'-1': 20, '0': 28, '1': 0}
euclidean
col  154
{'-1': 20, '0': 28, '1': 0}
euclidean
col  155
{'-1': 20, '0': 28, '1': 0}
euclidean
col  156
{'-1': 20, '0': 28, '1': 0}
euclidean
col  157
{'-1': 21, '0': 27, '1': 0}
euclidean
col  158
{'-1': 21, '0': 27, '1': 0}
euclidean
col  159
```

```
{'-1': 21, '0': 27, '1': 0}
```

In [105]:

```
{'-1': 21, '0': 27, '1': 0}
```