

Spatial Clustering in Databases: A Survey

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1 Introduction

1.1 Open Source

2 Asymptotic Evaluation

2.1 Generalized Search Tree

2.2 DBSCAN

Algorithm 1 DBSCAN

```
1: procedure DBSCAN( $n, \epsilon, MinPts$ )                      ▷  $n$  is unclassified
2:    $clusterID = 0$ 
3:   for  $i \leftarrow 1, n$  do
4:     end for
5: end procedure
```

2.3 BIRCH

Algorithm 2 BIRCH

```
1: procedure BIRCH
2: end procedure
```

2.4 Fuzzy K-Means

3 Empirical Evaluation

3.1 Testing Environment

To maintain the reproducability of our results the authors decided to implement the empirical analysis using entirely open-source software.

3.2 Results

4 Discussion and Conclusion