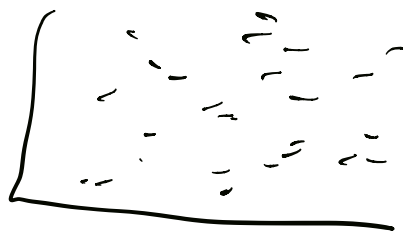


uniform
(a)



Randomly
Generated (b)

- (1) DBSCAN 在 (a) 和 (b) performance 怎样?
- (2) K-mean & DBSCAN 在 (b) 的 performance

Documentation data 的 similarity

1. Jaccard
2. cosine
3. correlation

Similarity & differences:

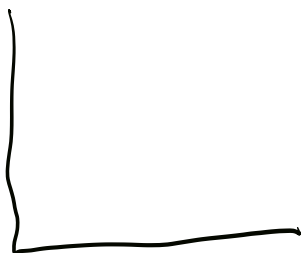
1. Clustering & Association vs. Similarity & Differences.
2. SOM
SNN-Density based vs. EM
3. DENCLUE vs. Fuzzy-K-mean

4. Anomaly: clustering-based vs.
Statistical-based

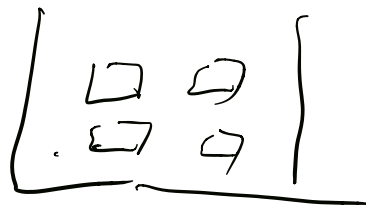
5. K-mean.

Classification.

1.

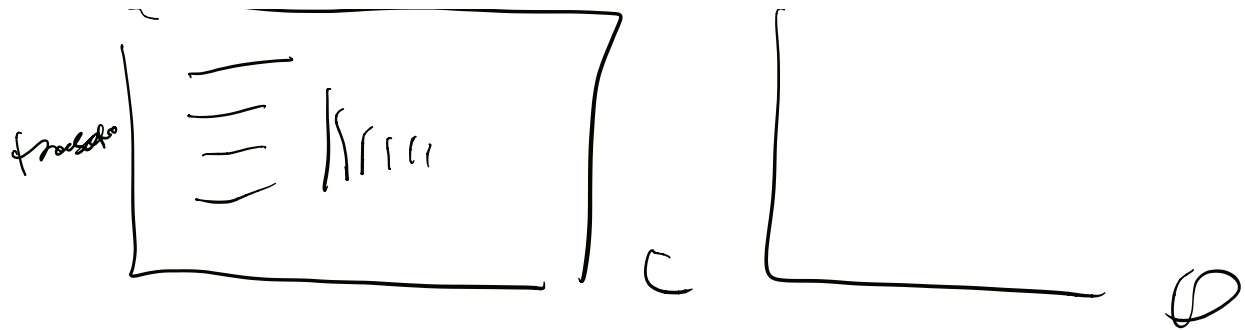


A



B

mean



maximal frequent.

1. Clustering.

hierarchical or partitional.

fuzzy or crisp ?

complete or incomplete ?

3种. — or — ?

评价 classification techniques 合不合适?

① ~~数据~~

attribute are temporal

不适合

② attributes are highly correlated

T & F

① some attributes ~~to~~ have -1 correlation,
does it negatively affect precision and recall

② if $\text{corr}(a_1, a_2) = 0.5$
 $\text{corr}(a_2, a_3) = 0.5$
[?] $\text{corr}(a_1, a_3) = ?$

③ Classification 2 classes,

其中一个只占 2%, [?]
 ~~对于哪个~~
 entropy = 1

$$= \text{0.3}$$

$$\text{or } = 0.$$


~~easy~~

④ SEE 和 entropy

entropy is 1 is more accurate than 2

那么, SEE 是否一定会 indicate 相似的结果?
结果吗?

(2) Complete link.

(1)  Similarity
single link (min)

Sampling :

representative ? 2 题
Biased

① sample size = 10, representative?

②

③ $2 \times n$ - 是否超过 n 倍

④ None is true

U. 100.000