

Community Detection

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ABSTRACT

Community detection

1. Introduction

Many approaches have been proposed.
Traditional methods (Su et al., 2022).

- (1) We
- (2) networks.
- (3) Extensive experiments

The rest of this paper is organized as follows. In Section 2.



Figure 1: buxiangkanlunwenle.

2. Related work

Our work 2

2.1. Community detection

Community detection

2.2. Graph

Graph

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3. Preliminaries

In this section

4. Methodology

This section

Algorithm 1 123

Input: 123.

Output: 123

```
1: 123
2: 123
3: 123
4: for  $t = 1 \dots \text{MaxIter}$  do
5:   123
6:   123
7:   123
8:   if 123 then
9:     123
10:  if  $\text{early\_stopping} > 100$  then
11:    Break.
12:  Update the parameters in the model with the Adam
    optimizer.
13: return 123
```

5. EXPERIMENTS

In this section

Table 1

Datasets for Community Detection

Dataset	N	M	K	X
CiteSeer	3327	4552	6	3703
CiteSeer-full	4230	5337	6	602
Cora	2708	5278	7	1433
Cora-ML	2995	8158	7	2879
Cora-full	19793	63421	70	8710

6. Conclusion

This paper

CRedit authorship contribution statement

Zhangsan: Methodology, Conceptualization, Investigation, Writing - Review & Editing.



Table 2

Dataset	Metric	AE	DEC	IDEC	GAE	VGAE	ComE	ARGA	DAEGC	SDCN	DFCN	AGCN	CaEGCN	SEDCN	IDEGCN
USPS	ACC	1	2	3	3	4	5	6	7	8	9	10	11	12	13
	NMI	1	2	3	3	4	5	6	7	8	9	10	11	12	13
	ARI	1	2	3	3	4	5	6	7	8	9	10	11	12	13
	F1	1	2	3	3	4	5	6	7	8	9	10	11	12	13