

# Chinese Whispers - An Efficient Graph Clustering Algorithm

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## **Chinese Whispers - An Efficient Graph Clustering Algorithm**

The article was written by (Biemann [2006](#)). It was cited [303](#) times according to Google Scholar. The task performed was graph-clustering. They used x metric over x.

### **Hypothesis**

A randomized graph-clustering algorithm would perform well of small worlds.

## Evidence and Results

### Dataset

The dataset used are all from the natural language processing world.

### Results

### Contribution

The authors propose

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**Algorithm 1** Chinese Whispers

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**Input:** An initial graph  $G$  of  $V$  multidimensional vectors to be clustered.

**Output:** An assignment of the clusters for each vertex  $\in G.V$

```
1: procedure CHINESEWHISPERS( $G$ )  
2:   return ClusterAssignments  
3: end procedure
```

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Small world graphs

## Controversial Ideas

## Weaknesses

## Future Work

## References

Biemann, Chris (June 2006). “Chinese Whispers - an Efficient Graph Clustering Algorithm and its Application to Natural Language Processing Problems”. In: *Proceedings of TextGraphs: the First Workshop on Graph Based Methods for Natural Language Processing*. New York City: Association for Computational Linguistics, pp. 73–80. URL: <https://www.aclweb.org/anthology/W06-3812>.