

Chinese Whispers - An Efficient Graph Clustering Algorithm

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Tuesday 14 May 2019

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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

Algorithm 1 Chinese Whispers

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:   for each vertex  $(i, v) \in \text{enum}(G.V)$  do  
3:     end for  
4:   return ClusterAssignments  
5: end procedure
```

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>.