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A decentralized gossip based approach for data clustering in peer-to-peer networks

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**\*Highlights (for review)**

- A distributed clustering algorithm called GBDC-P2P is provided based on the communicative approach and the use portioning-based clustering
- Appropriate for data clustering in unstructured P2P networks and adaptive to dynamic condition of these networks.
- In GBDC-P2P algorithm, peers perform data clustering operation on their local data with a fully distributed approach and only through communications and interaction with their neighbours and without the use of a central server and without the need to perform a synchronous operation.
- Evaluation results verify the accuracy of the proposed algorithm

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