Accepted Manuscript

Dynamic graph-based label propagation for density peaks clustering

Seyed Amjad Seyedi , Abdulrahman Lotfi , Parham Moradi , Nooruldeen Nasih Qader

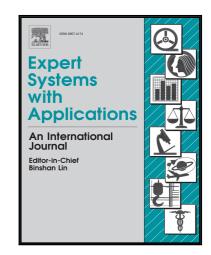
PII: \$0957-4174(18)30499-8

DOI: https://doi.org/10.1016/j.eswa.2018.07.075

Reference: ESWA 12129

To appear in: Expert Systems With Applications

Received date: 19 January 2018 Revised date: 30 July 2018 Accepted date: 31 July 2018



Please cite this article as: Seyed Amjad Seyedi, Abdulrahman Lotfi, Parham Moradi, Nooruldeen Nasih Qader, Dynamic graph-based label propagation for density peaks clustering, *Expert Systems With Applications* (2018), doi: https://doi.org/10.1016/j.eswa.2018.07.075

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Highlights

- A novel dynamic density peaks clustering method called DPC-DLP is proposed.
- The idea of k-nearest neighbors is used to compute the cut-off and local density of points.
- A graph-based label propagation mechanism to distribute labels and form final clusters.
- DPC_DLP can effectively assign true labels to border points located in overlapped regions.
- The results of experiments reveal the effectiveness of the proposed method.

Download English Version:

https://daneshyari.com/en/article/11002282

Download Persian Version:

https://daneshyari.com/article/11002282

<u>Daneshyari.com</u>