

Accepted Manuscript

Unsupervised varied density based clustering algorithm using spline

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PII: S0167-8655(16)30279-3
DOI: [10.1016/j.patrec.2016.10.014](https://doi.org/10.1016/j.patrec.2016.10.014)
Reference: PATREC 6664



To appear in: *Pattern Recognition Letters*

Received date: 15 April 2016
Revised date: 13 October 2016
Accepted date: 25 October 2016

Please cite this article as: Soumaya Louhichi , Mariem Gzara , Hanène Benabdallah , Unsupervised varied density based clustering algorithm using spline, *Pattern Recognition Letters* (2016), doi: [10.1016/j.patrec.2016.10.014](https://doi.org/10.1016/j.patrec.2016.10.014)

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Highlights

- Discovering clusters with Varied density is challenging task
- The MDCUT algorithm discovers varied density and arbitrary shaped clusters
- K-nearest neighbors plot shows the distribution of densities among a data set
- Interpolation function approximates K-nearest neighbors distances
- Local density thresholds are extracted from interpolated k-nearest neighbors curve

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