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Convex Clustering with Metric Learning

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Highlights

- A novel convex clustering with metric learning approach is proposed.
- The convex clustering with Mahalanobis distance metric problem is solved using an alternating direction method of multipliers (ADMM).
- Shows that convex clustering and distance metric learning can be done iteratively and still improve the results of clustering solutions from having no metric learning.
- Numerical experiments show that metric learning can improve the results of convex clustering significantly.

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