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Semi-Supervised Dimensionality Reduction of Hyperspectral Imagery using Pseudo-Labels

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Highlights

- A new semi-supervised feature reduction approach is proposed
- Pseudo-labels are generated using Dirichlet Process Mixing Model, which are then used for learning a semi-supervised dimensionality reduction projection that simultaneously preserves locality.
- Projection is undertaken in both raw and kernel space.
- Results with hyperspectral data demonstrates substantial improvement in performance.

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