Supplementary Materials for  
“Stochastic k-Neighborhood Selection for Supervised and Unsupervised Learning”

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On the following pages we provide the full quantitative results comparing kNCA to NCA, LMNN, MCML, and (when applicable) ITML on 7 datasets (4 UCI, plus USPS with 3 noise levels).
Stochastic $k$-Neighborhood Selection

Ion Train (dim 2)  |  Ion Test (dim 2)  |  Ion Train (dim full)  |  Ion Test (dim full)
---|---|---|---
Wine Train (dim 2)  |  Wine Test (dim 2)  |  Wine Train (dim full)  |  Wine Test (dim full)
Balance Train (dim 2)  |  Balance Test (dim 2)  |  Balance Train (dim full)  |  Balance Test (dim full)
Iris Train (dim 2)  |  Iris Test (dim 2)  |  Iris Train (dim full)  |  Iris Test (dim full)
USPS 0% noise Train (dim 2)  |  USPS 0% noise Test (dim 2)  |  USPS 0% noise Train (dim full)  |  USPS 0% noise Test (dim full)