

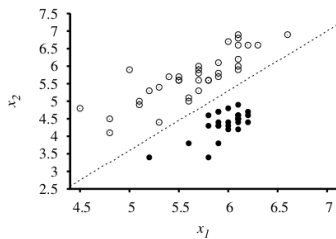
CS 4100/5100: Foundations of AI

More ML

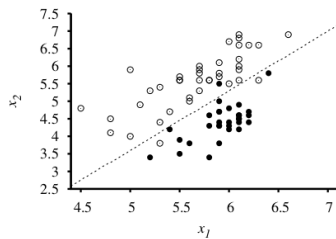
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Northeastern University

Logistic Regression

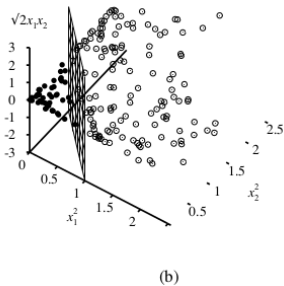
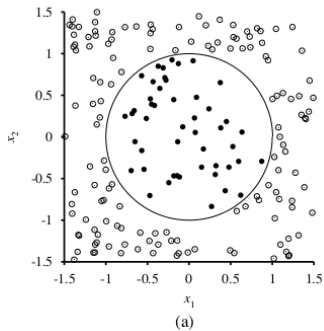


(a)

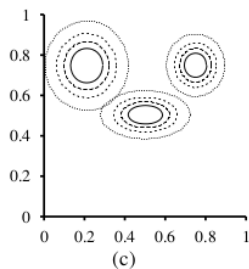
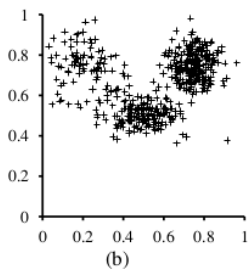
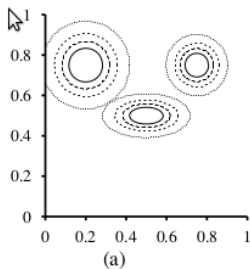


(b)

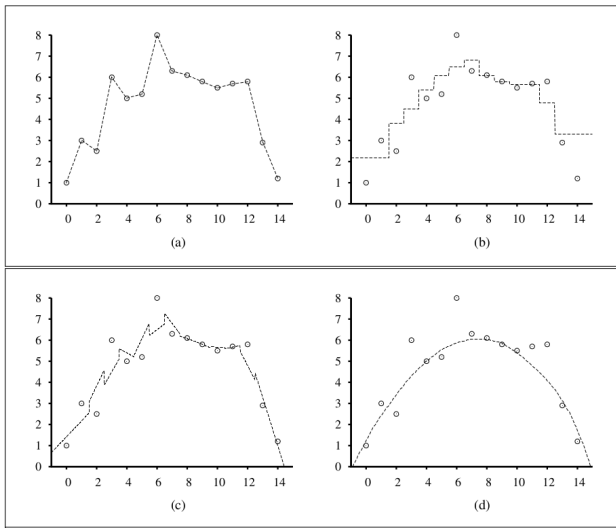
Support Vector Machine (kernel)



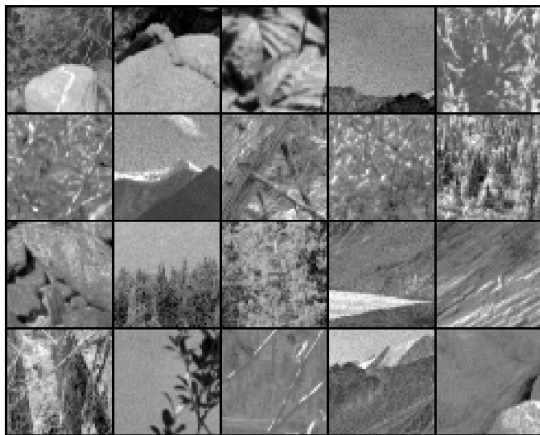
Clustering



Nearest Neighbor for Regression

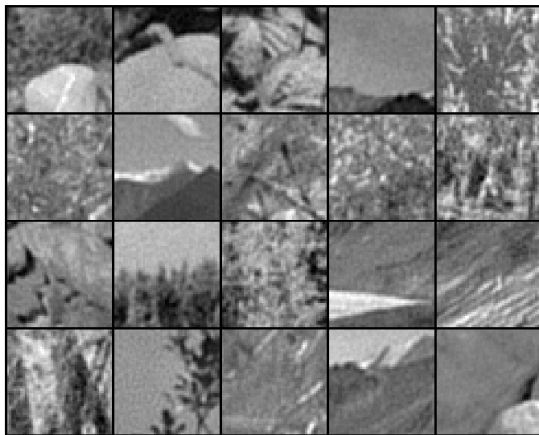


PCA



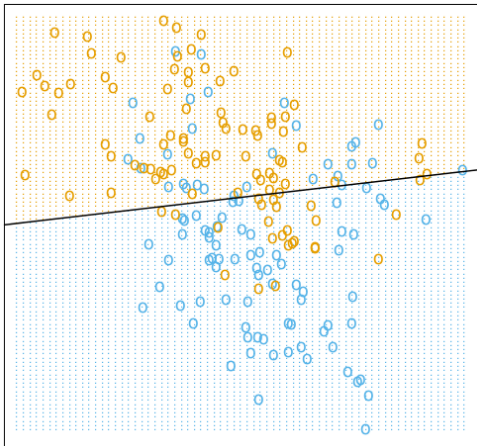
raw images

PCA

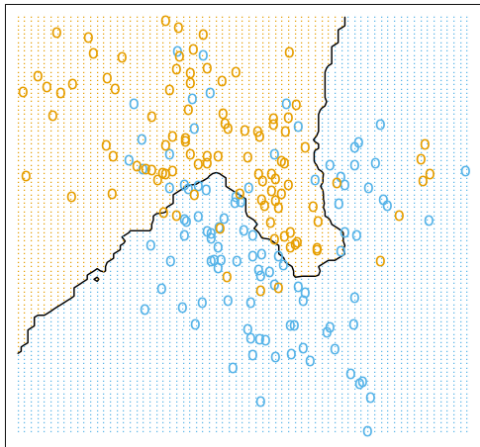


compressed images: 638 out of 2304 dimensions

Linear classifier



15-nearest neighbor classifier



1-nearest neighbor classifier

