

Homework 8

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For this assignment, we trained a sequence of different classifiers with increasing model flexibility, with a varying number of feature vectors. For each of our classifiers, we followed the 6-step procedure documented in the homework sheet. The features we chose were all obtained via PCA, extracting the first k columns from the PCA matrix. We vary the PCA plots from $k = 1$ to $k = 240$. The results of this can be seen in Figure 1:

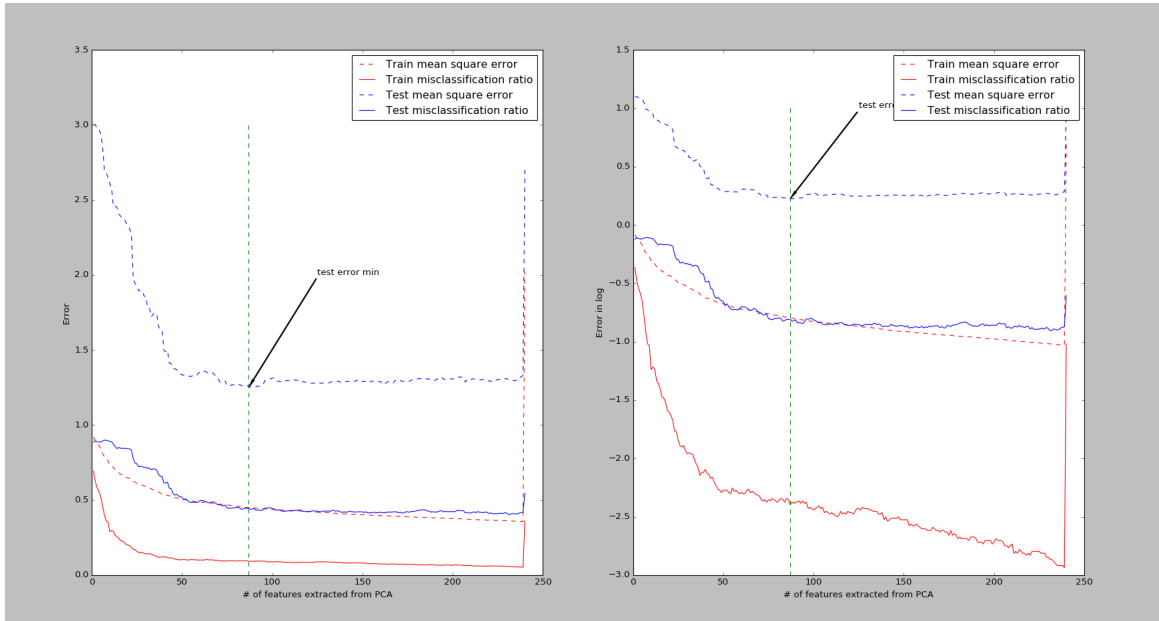


Figure 1. Left: linear scaling, Right: logarithmic scaling