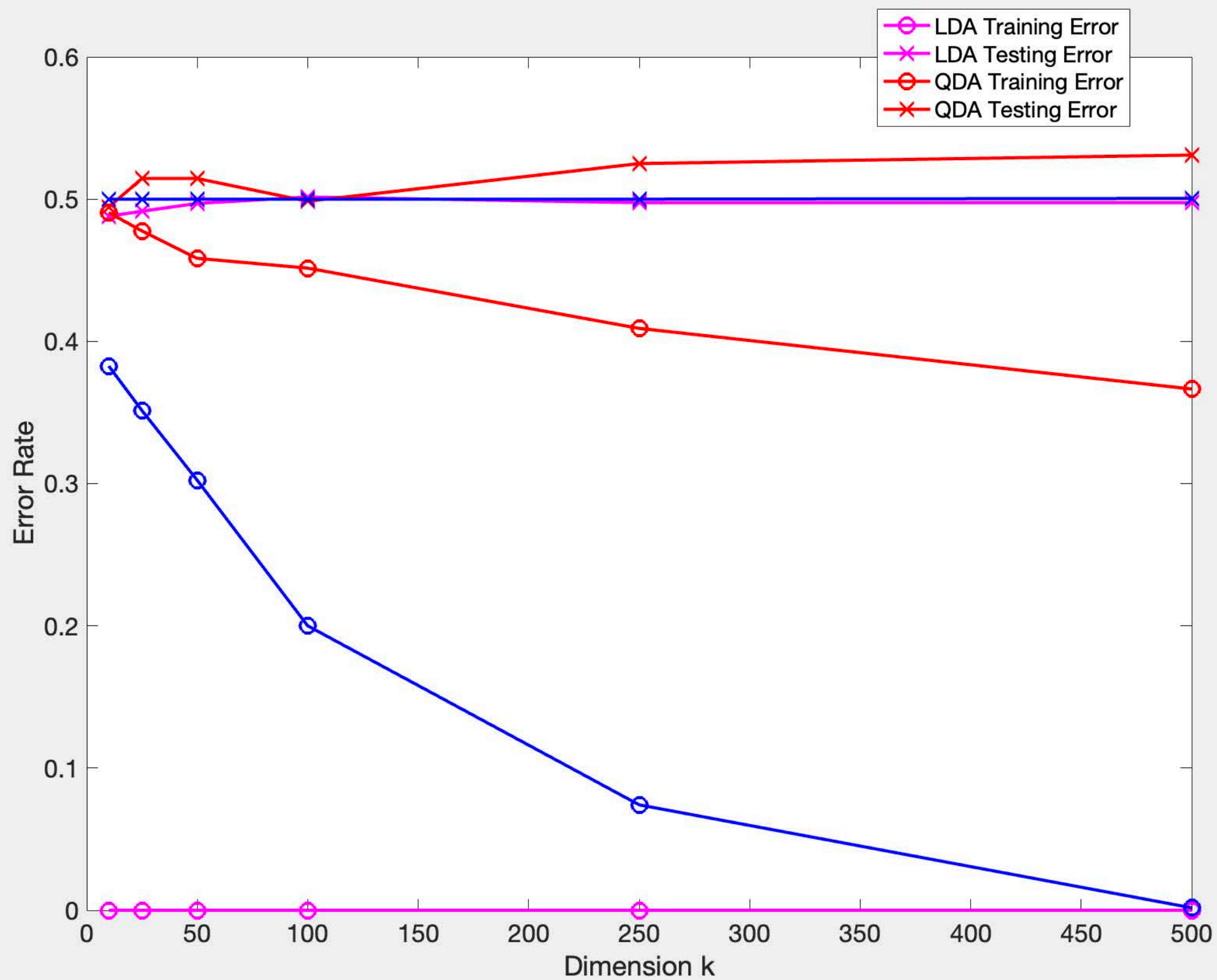


Figure 1

File Edit View Insert Tools Desktop Window Help



10.6)

As the dimension K increases, the Training Error slowly decreases. For the testing error, there is first a slight decrease in the error rate, but as time increases, the error rate begins to increase again. LDA had a lower error rate at a smaller K value of around 25. Having a training error of 0 and a testing error of 0.5. For GDA, the lowest training error rate was at the largest K value of 500. The test error rate was at its lowest of 0.5 at a K value of 100.