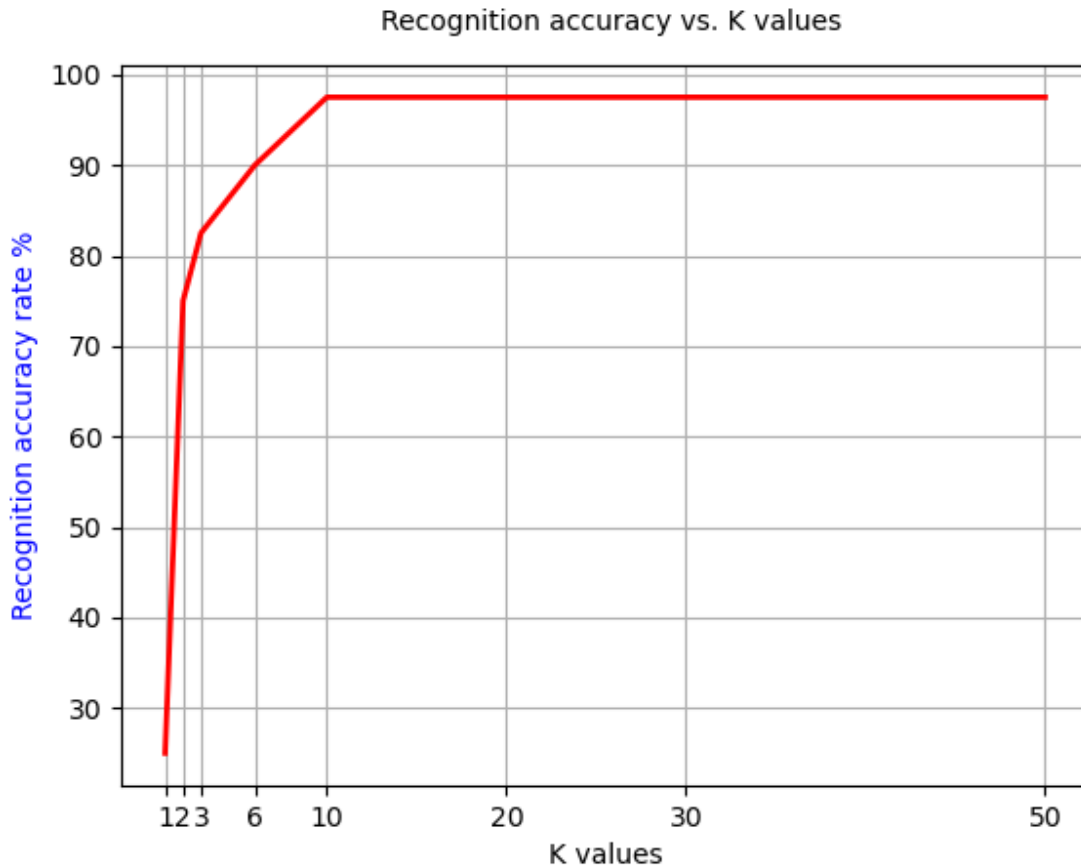


COEN 140

Lab 9 Report

Stephen Tambussi - 00001469512

Recognition accuracy rate vs. K values



As shown in the above graph, increasing the values of K (number of top left singular vectors) improves the recognition accuracy rate. The accuracy rate plateaus at a K value of 10 with close to 100% accuracy (97.5%) on all 40 test images. Increasing the K value past 10 has no returns on performance for this use case of classifying gray scale face images.