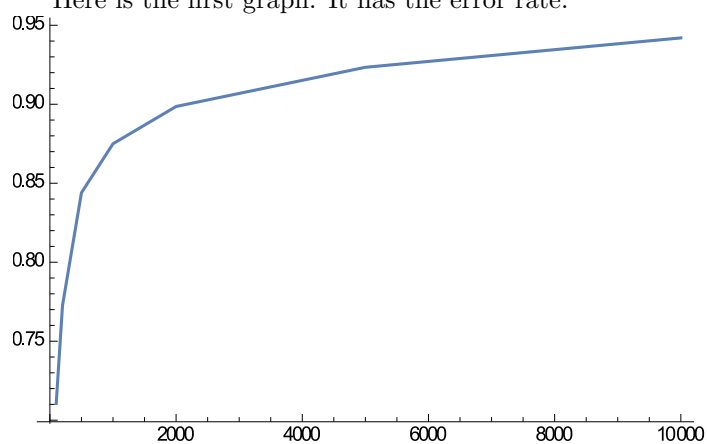


# CS189: Homework 1

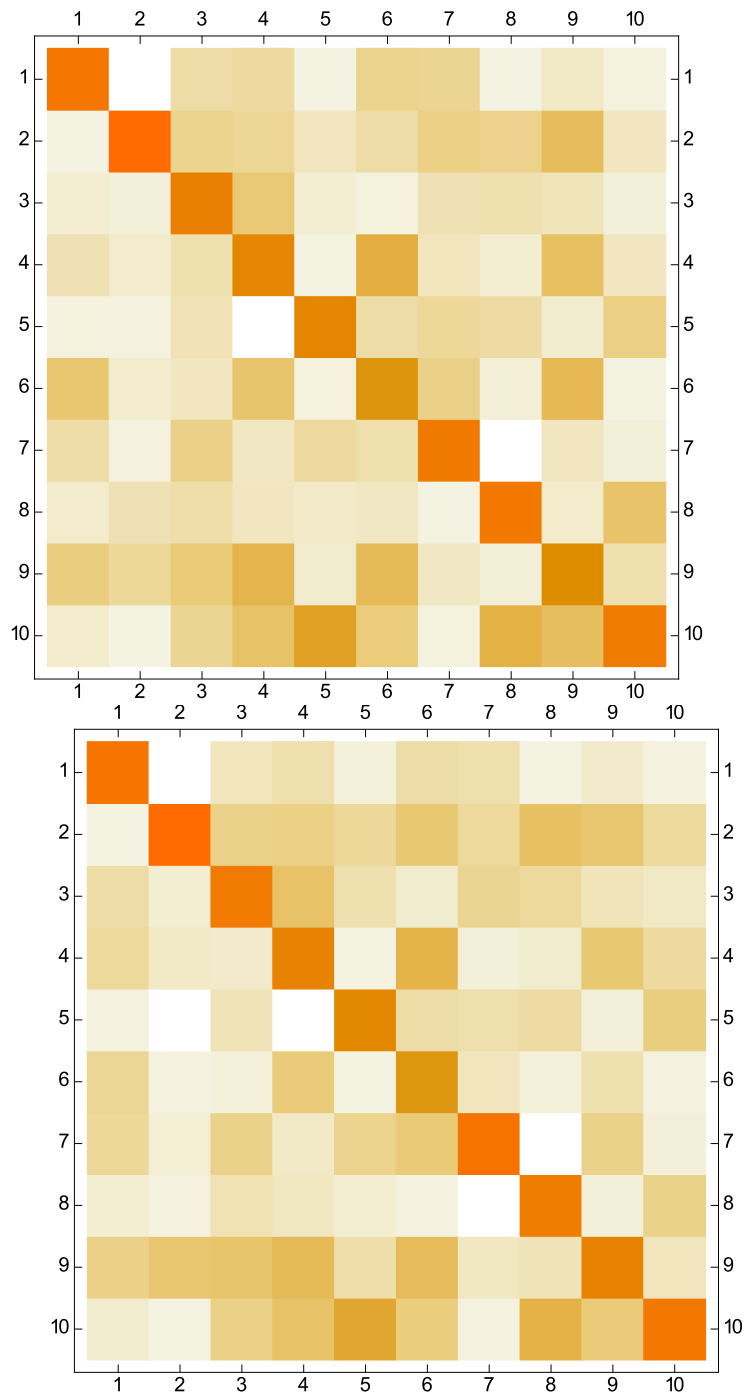
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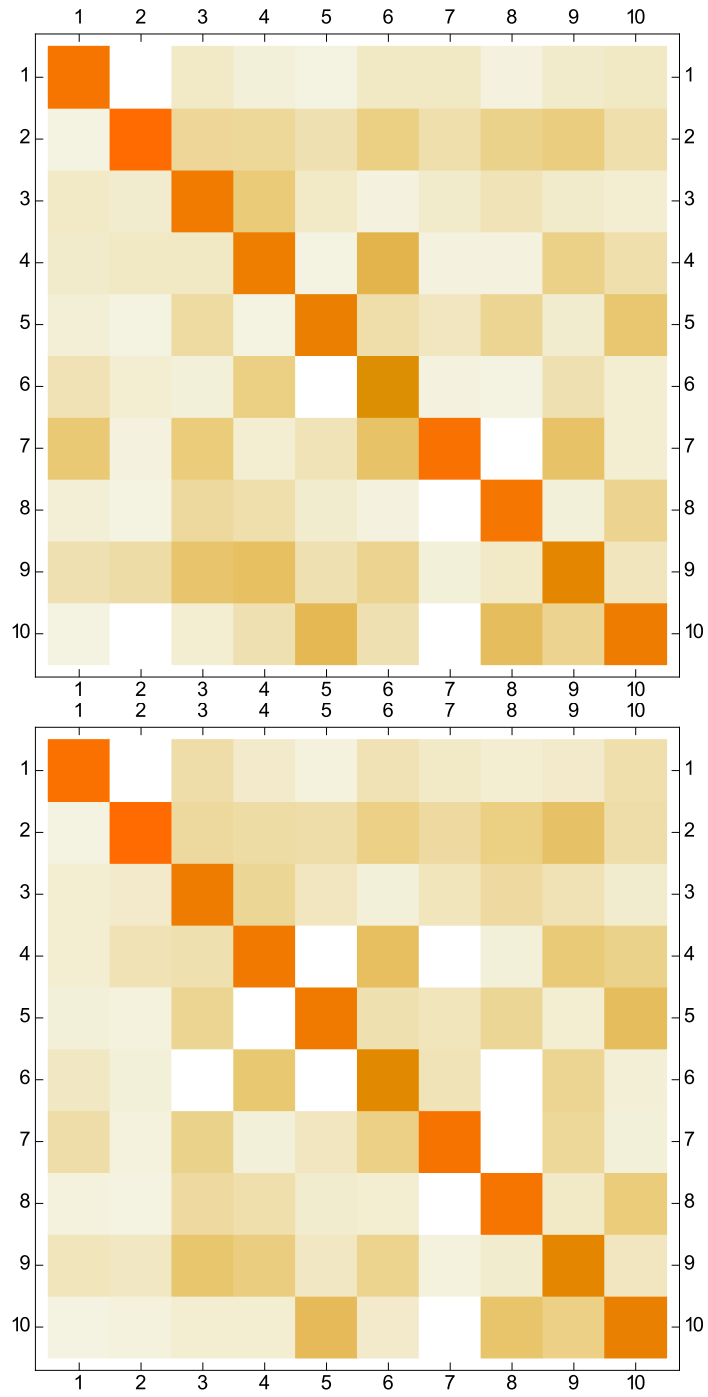
February 15, 2016

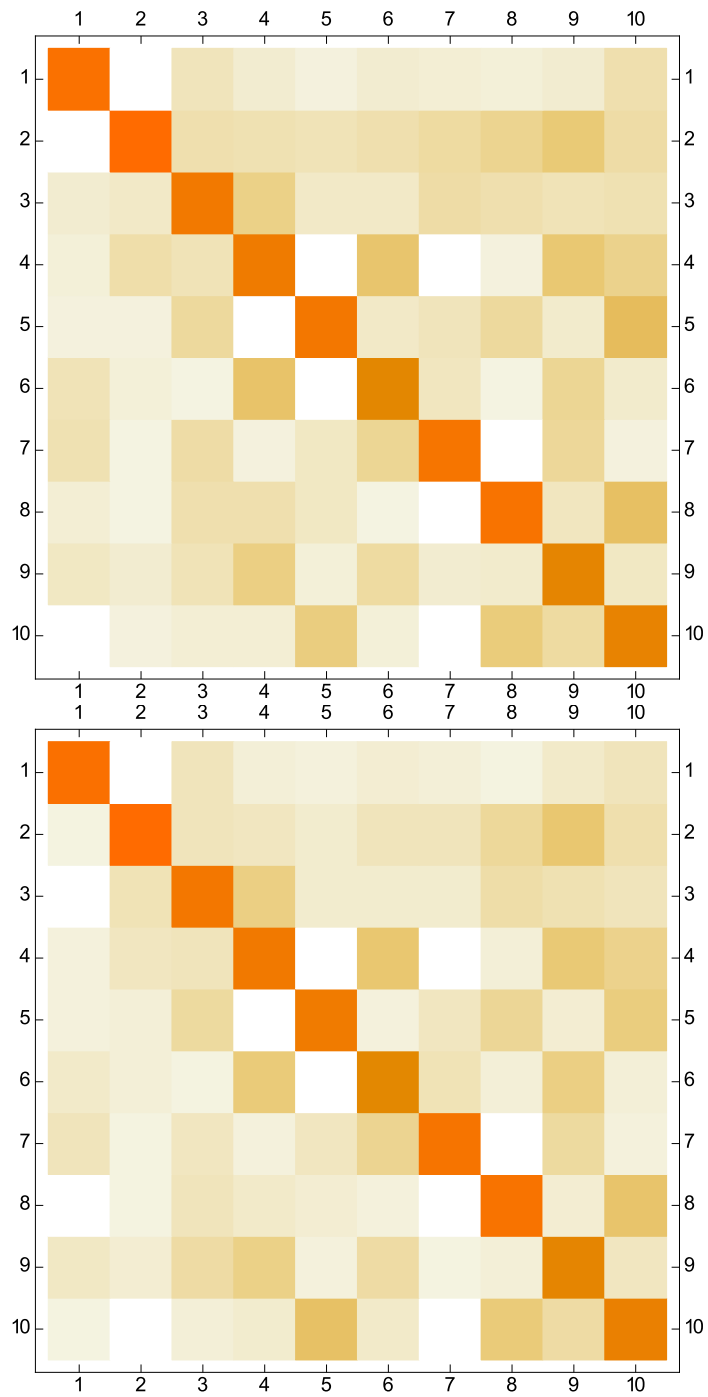
Here is the first graph. It has the error rate.

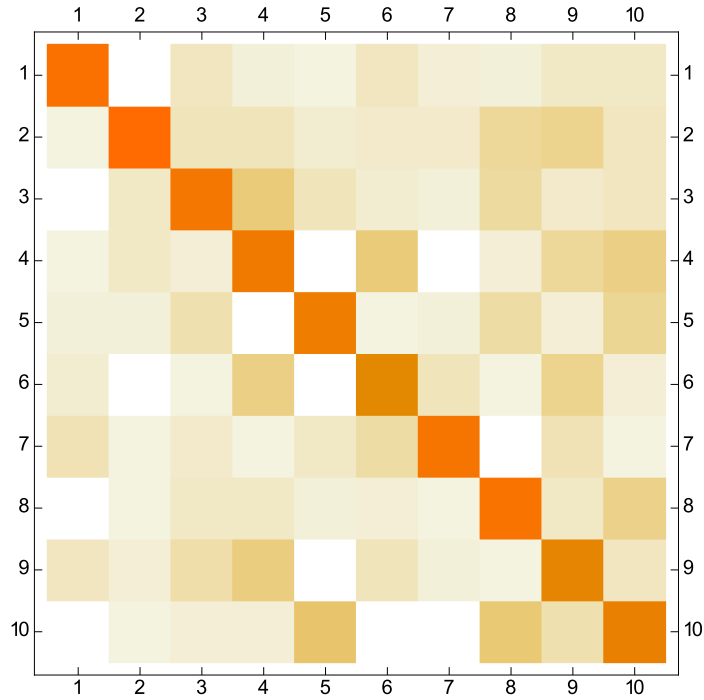


Here are the confusion matrices.









The confusion matrices tend towards one whose diagonals are largely the largest values as training happens. This makes sense since it misclassifies less.

The value I got for  $C$  with iterated application of a binary search on 10 – *fold* classification with 10000 values was 2.93.