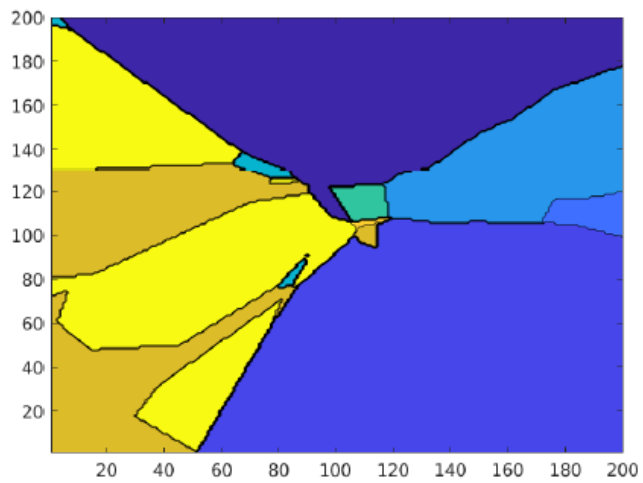


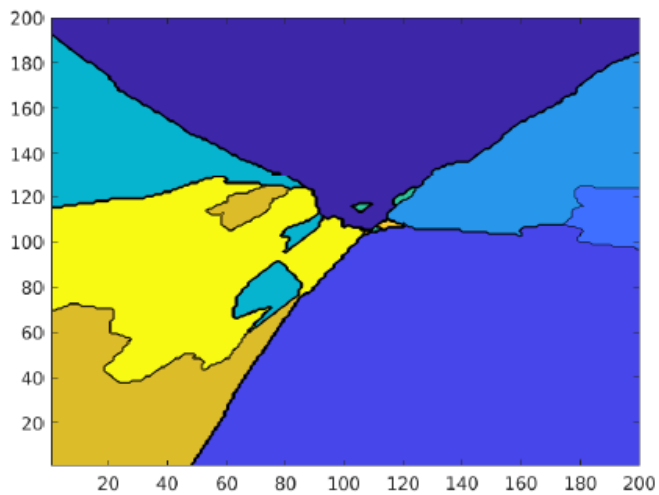
Task 2.1

k	N	Nerrs	acc	time
1	3985	126	0.9684	4.371
3	3985	123	0.9969	4.324
5	3985	133	0.9666	4.321
10	3985	137	0.9656	4.376
20	3985	164	0.9588	4.426

Task 2.2



$K = 1$

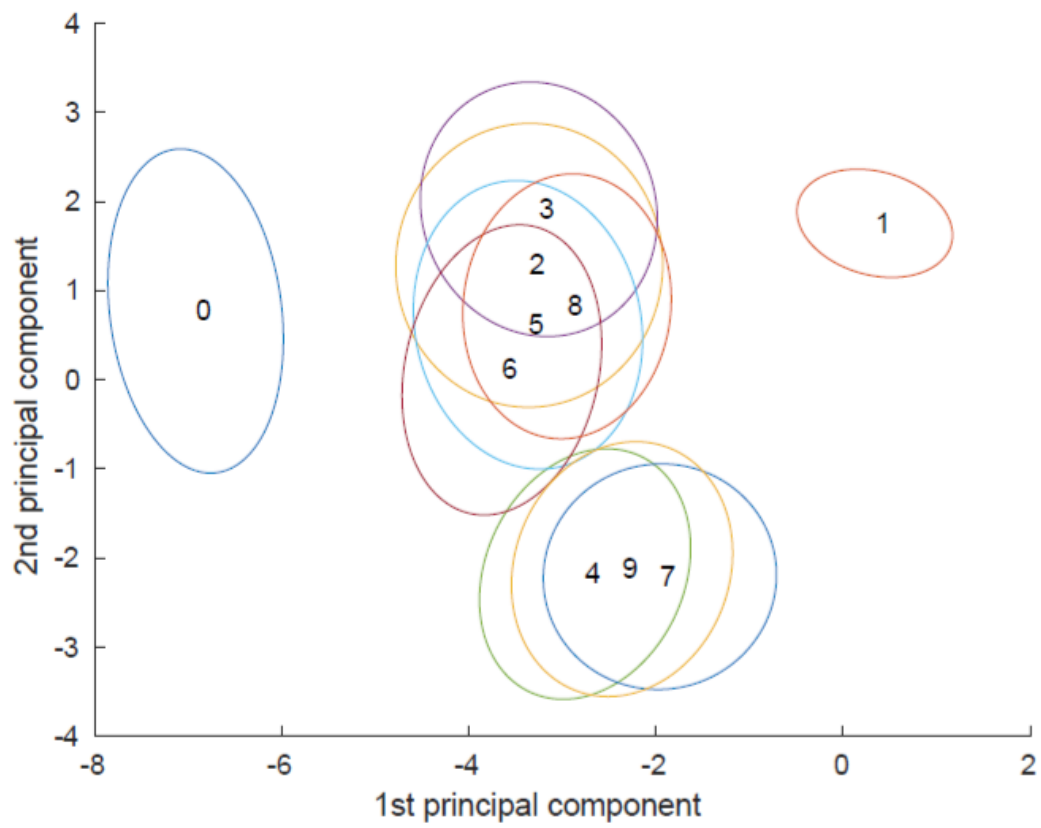


$K = 3$

The subset of Xtrn that was used is Xtrn(1:N,:). Where N = 2000. And it took 1.3406 sec.

Where if N= 200, time taken is 0.53 seconds. If N = 20 000, about half the size of the original data size, it takes about

Task 2.3



Report_task2
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Task 2.3