

INF2B CW2 Report 2

S1703935

Task 2 - Classification

Task 2.1

Total time taken = 10.9878

k	1	3	5	10	20
N	4005	4005	4005	4005	4005
Nerrs	3551 3610 3629 3611 3662 3622 3599 3642 3631 4005	3552 3619 3628 3613 3666 3622 3602 3655 3637 4005	3550 3621 3627 3621 3671 3624 3603 3664 3638 4005	3550 3634 3630 3628 3679 3627 3610 3664 3643 4005	3550 3647 3635 3634 3685 3626 3617 3675 3647 4005
acc	0.9689	0.9602	0.9527	0.9420	0.9286

Task 2.2

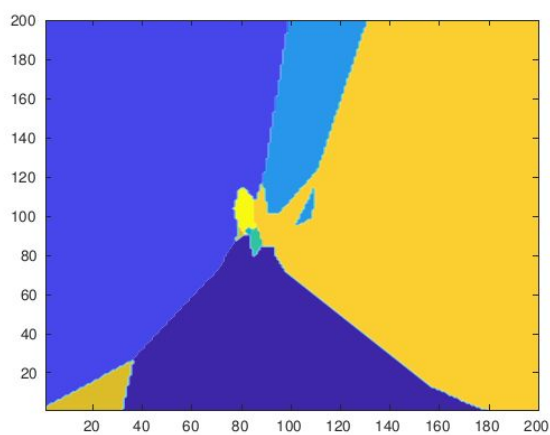


Figure 1: k = 1

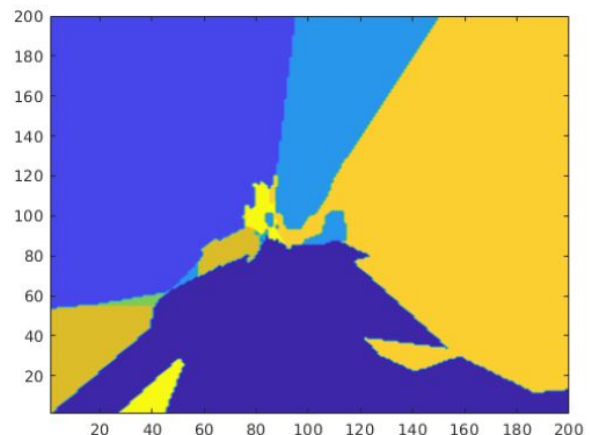
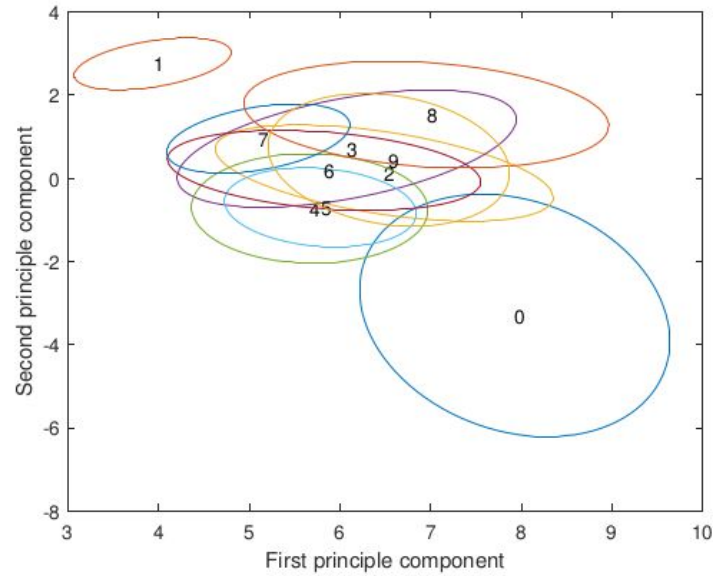


Figure 2: k = 3

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Task 2.3



Task 2.4

k	Correlation
1	-0.2817
2	0.6404
3	-0.2042
4	-0.1644
5	-0.0720
6	-0.3259
7	-0.2563
8	0.1266
9	-0.1549
10	-0.0562
all	-0.3330

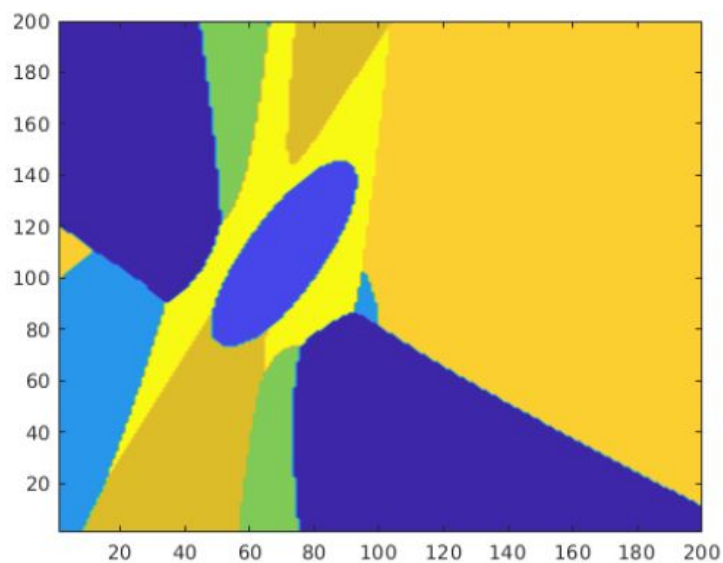
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Task 2.5

N	Nerrs	acc	Time Taken
4005	3555 3614 3643 3617 3682 3627 3624 3641 3633 4005	0.9475	3.1980

Task 2.6



cross section of decision regions

Task 2.7

Unfortunately, I did not get the chance to complete this task.

Task 2.8

Unfortunately, I did not get the chance to complete this task.