**---- report2.pdf for Task 2-----**

Task 2.1

- A table that shows the required information (k, N, Nerrs, acc, and

the time taken) for each k = 1,3,5,10,20.

Time Taken:……….

|  |  |  |  |
| --- | --- | --- | --- |
| k | N | Nerrs | acc |
| 1 |  |  |  |
| 3 |  |  |  |
| 5 |  |  |  |
| 10 |  |  |  |
| 20 |  |  |  |

Task 2.2

- Two figures - Figure 1 for the result when k=1, and Figure 2 for

the one when k=3.

- Descriptions about the subset of Xtrn if appropriate.

(i.e. information about the number of samples used, and how they

were chosen.)

Task 2.3

- A figure that shows a contour of Gaussian distribution for each

class k = 1,...,10, so that you have ten contours in the figure.

NB: It would be nice (but not obligatory) if a piece of information

was presented to clarify which contour corresponds to which class

(e.g. showing the class number at the centre of the distribution.),

and the position of the centre of each distribution.

Task 2.4

- A table that shows the correlation for each class k=1,...,10, and

the one for the all.

Task 2.5

- A table that shows the requested information (N, Nerrs, acc, and

the time taken).

Task 2.6

- A figure that shows a cross section of decision regions.

Task 2.7

- A table that shows acc for each ratio specified in the assignment sheet.

Task 2.8

- A table that shows the requested information (N, Nerrs, acc, time

taken) for each L = 2,5,10.