Inf-2B Coursework 2

Task 2 - Classification

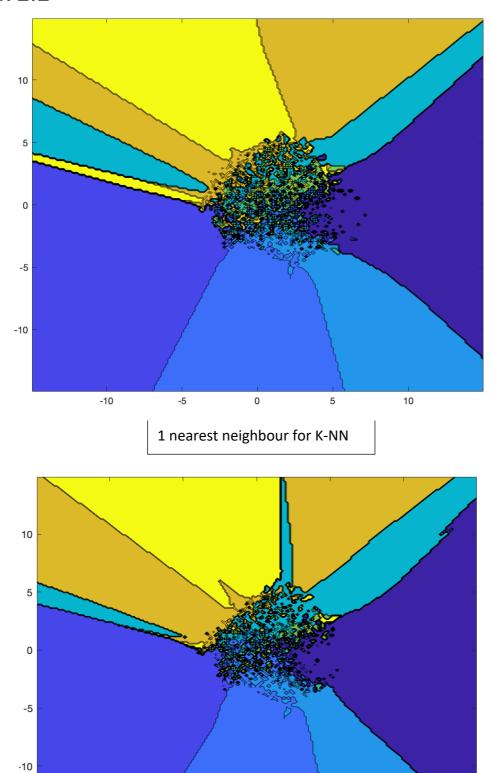
Task 2.1

(Measured on a 2013 Macbook Pro)

Command Window

```
>> task2_1(Xtrn, Ytrn, Xtst, Ytst, Ks);
  Elapsed time is 30.799240 seconds.
  K = 1
  N = 4016
  Nerrs = 144
  acc = 0.96414
  K = 3
  N = 4016
  Nerrs = 130
  acc = 0.96763
  K = 5
  N = 4016
  Nerrs = 127
  acc = 0.96838
  K = 10
  N = 4016
  Nerrs = 134
  acc = 0.96663
  K = 20
  N = 4016
  Nerrs = 156
  acc = 0.96116
f_{\underline{x}} >>
```

Task 2.2



3 nearest neighbour for K-NN

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