Neuroinformatics laboratory 0

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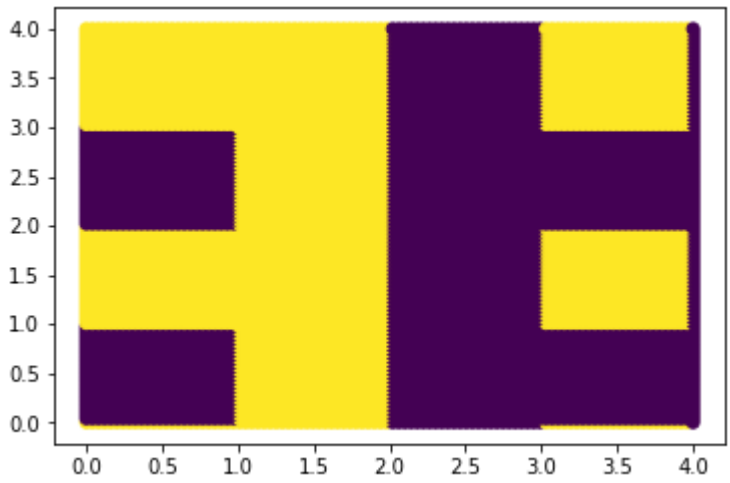
Code: https://github.com/BartyzalRadek/neuroinformatics-course/blob/master/datasets.ipynb

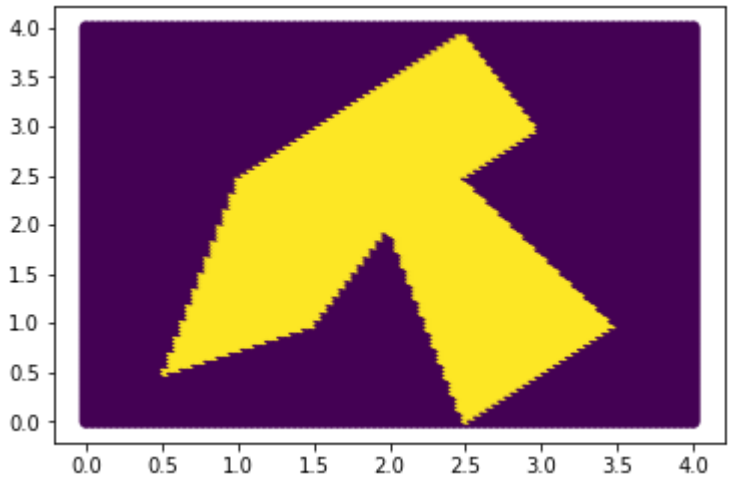
1. Dataset: Basic 4x4 grid with 2 classes



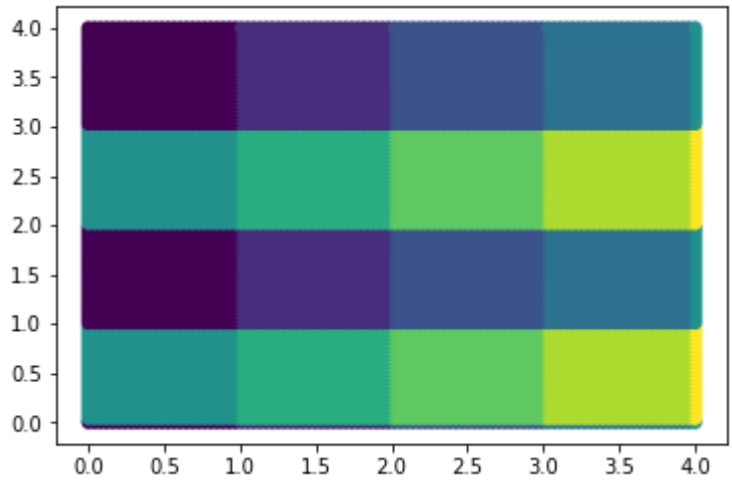
2. Dataset: Boolean function of 5 variables = 32 possible values

These values [0,3,7,12,14,15,16,17,25,30] belong to the class 1, the rest to the class 0.

3. Dataset: Polygon shape dividing the 2D space into 2 classes

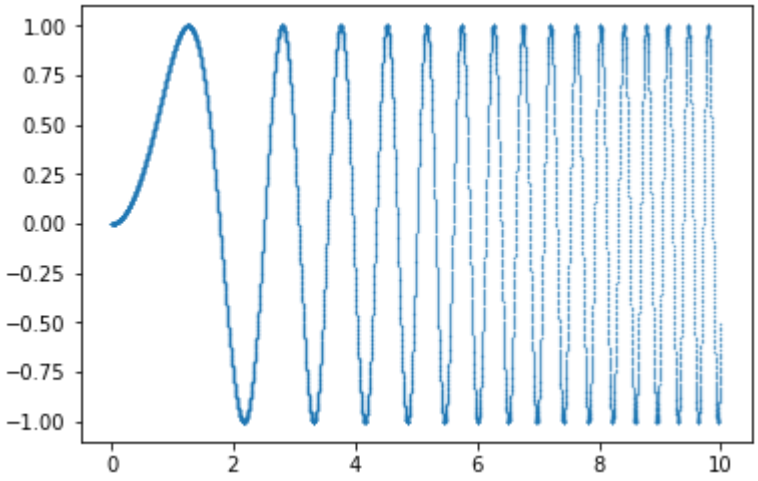


4. Dataset: 2D space divided into 8 classes

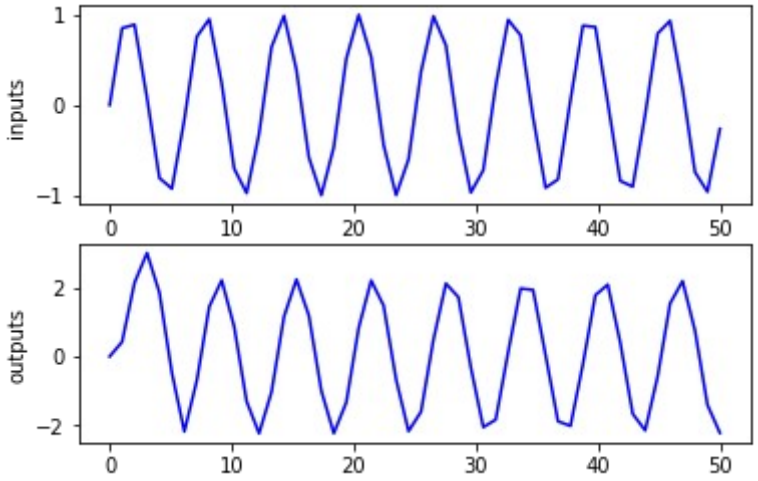


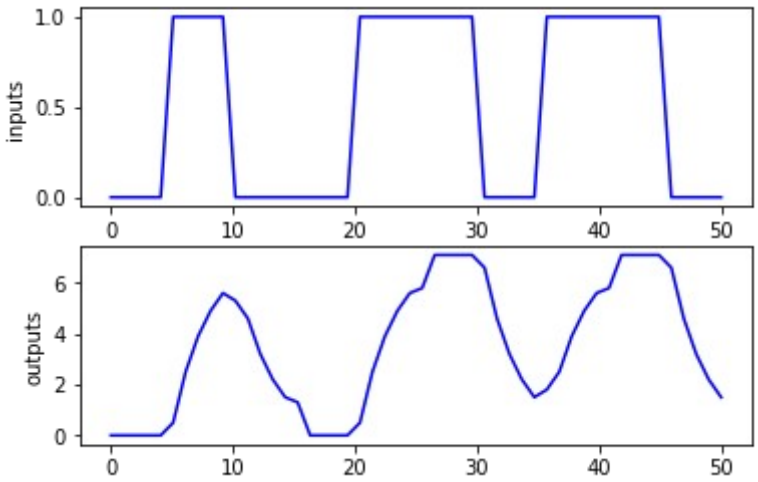
5. Dataset: Moderately complicated 1D function

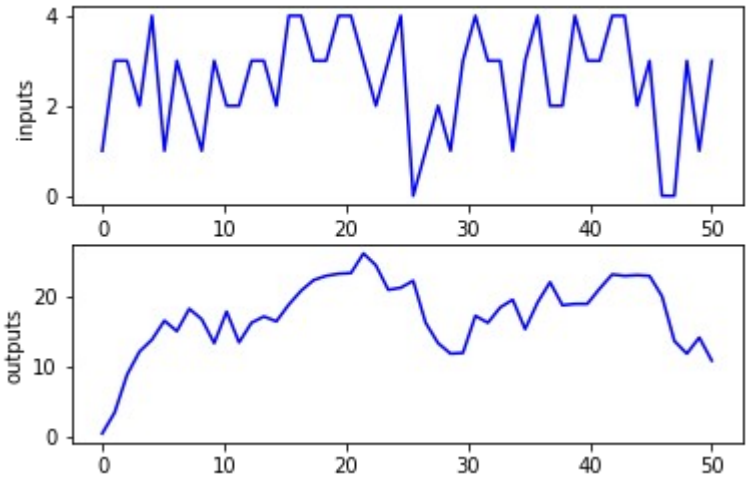
f(x) = sin(x*x)



6. Dataset: 1D function with memory




inputs
1.0
0.5
0.0
0
10
20
30
40
50
outputs
6
4
2
0
0
10
20
30
40
50


inputs
4
2
0
0
10
20
30
40
50
outputs
20
10
0
0
10
20
30
40
50