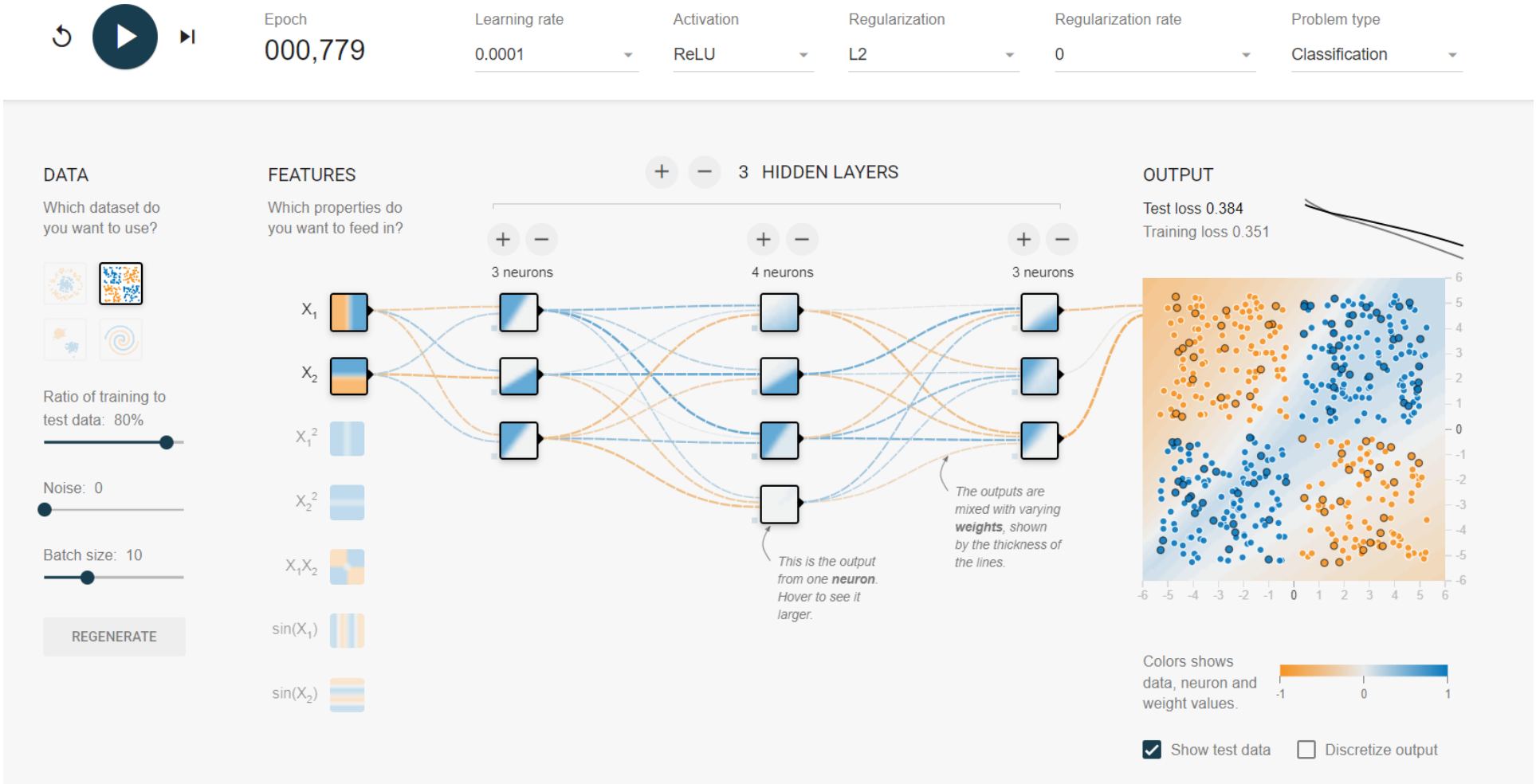
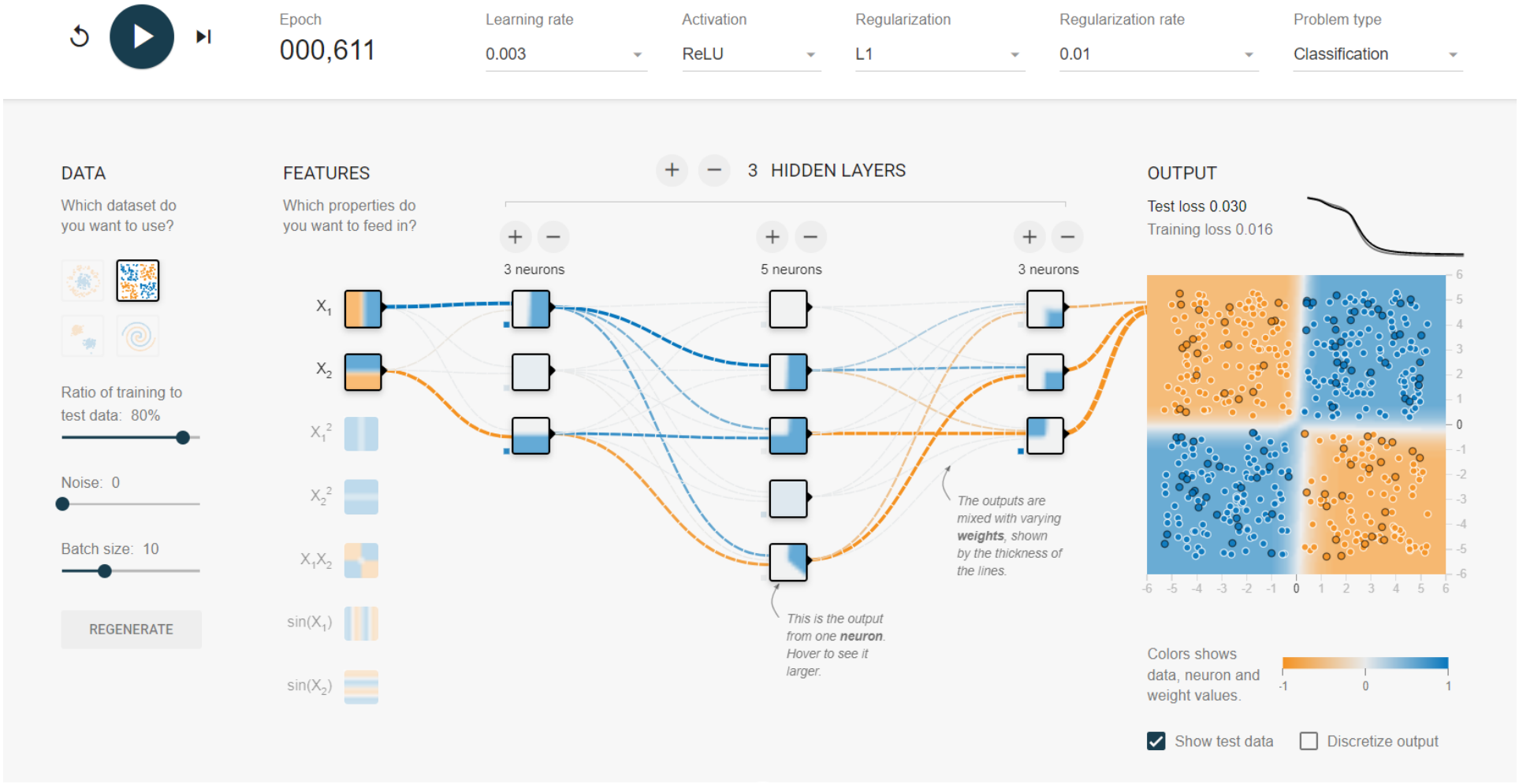
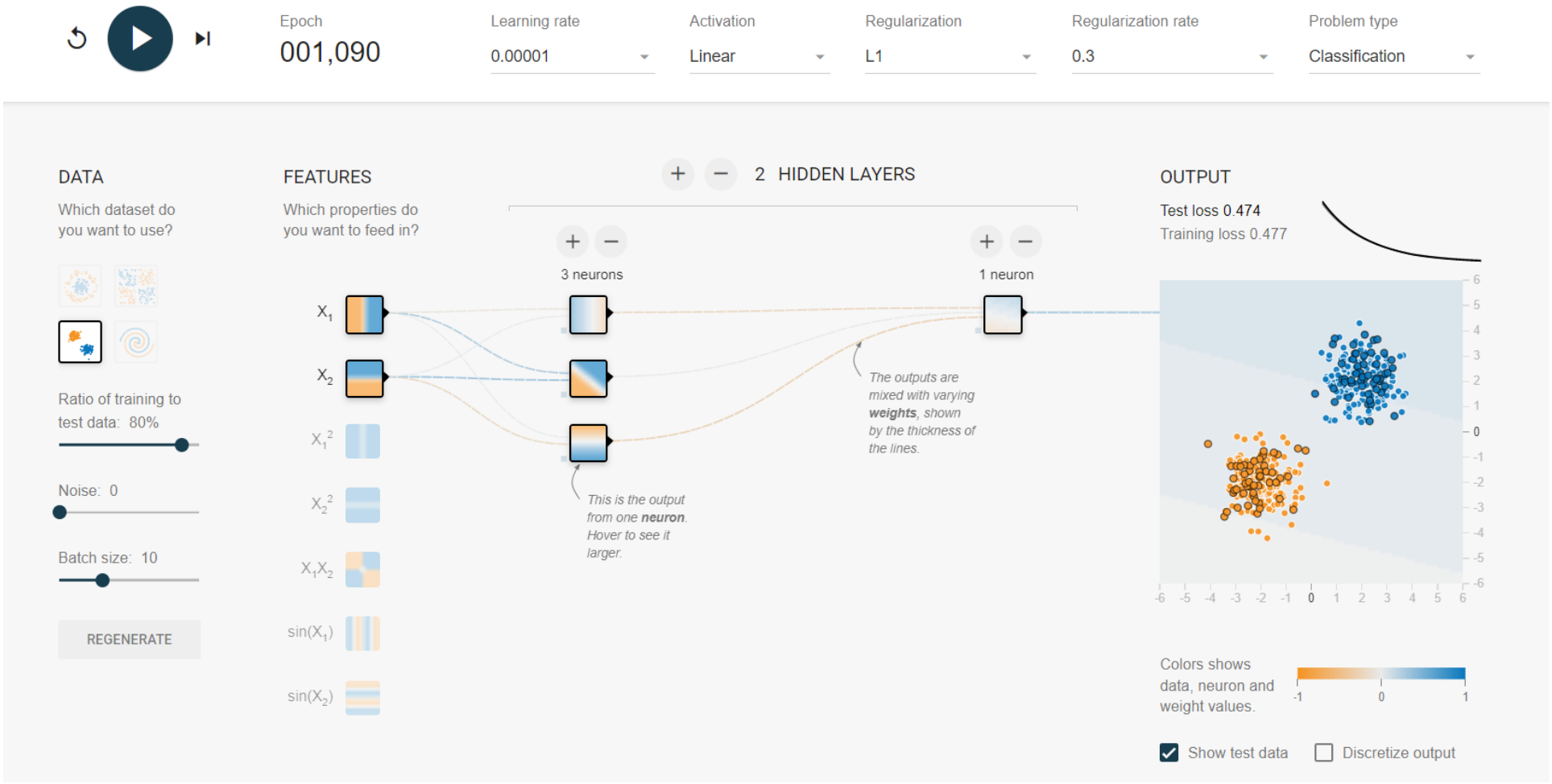
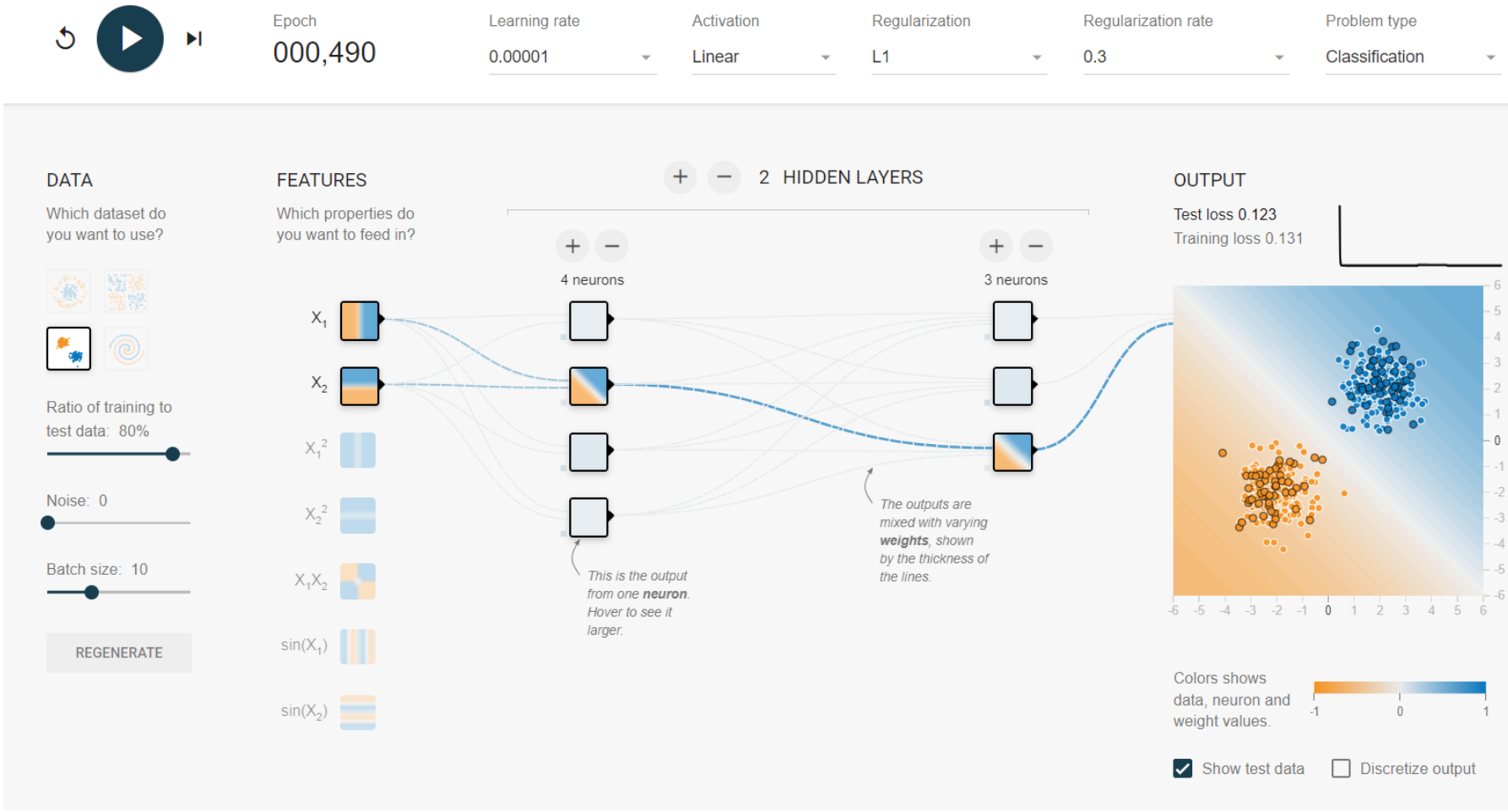
1. Modificar Parámetros , mantener cantidad de neuronas

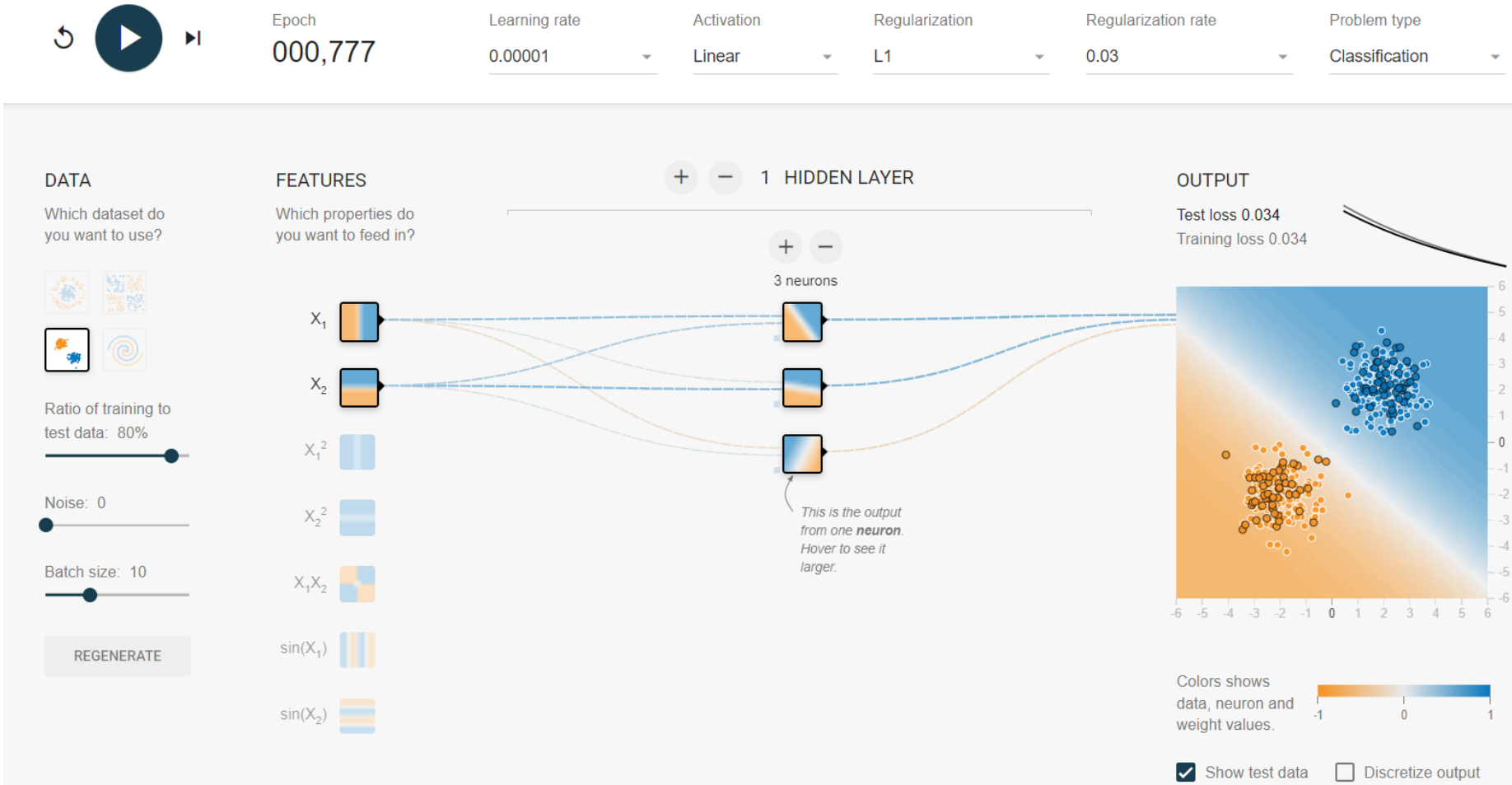



Epoch
000,611
Learning rate
0.003
Activation
ReLU
Regularization
L1
Regularization rate
0.01
Problem type
Classification
DATA
Which dataset do you want to use?
Ratio of training to test data: 80%
Noise: 0
Batch size: 10
REGENERATE
FEATURES
Which properties do you want to feed in?
3 HIDDEN LAYERS
3 neurons
5 neurons
3 neurons
X1
X2
X1²
X2²
X1X2
sin(X1)
sin(X2)
The outputs are mixed with varying weights, shown by the thickness of the lines.
This is the output from one neuron. Hover to see it larger.
OUTPUT
Test loss 0.030
Training loss 0.016
Colors shows data, neuron and weight values.
-1
0
1
Show test data
Discretize output

2. Mantener Parámetros, modificar cantidad de neuronas




Epoch
000,490
Learning rate
0.00001
Activation
Linear
Regularization
L1
Regularization rate
0.3
Problem type
Classification
DATA
Which dataset do you want to use?
Ratio of training to test data: 80%
Noise: 0
Batch size: 10
REGENERATE
FEATURES
Which properties do you want to feed in?
X1
X2
X1²
X2²
X1X2
sin(X1)
sin(X2)
2 HIDDEN LAYERS
4 neurons
3 neurons
This is the output from one neuron. Hover to see it larger.
The outputs are mixed with varying weights, shown by the thickness of the lines.
OUTPUT
Test loss 0.123
Training loss 0.131
Colors shows data, neuron and weight values.
-1
0
1
Show test data
Discretize output


Epoch
000,777
Learning rate
0.00001
Activation
Linear
Regularization
L1
Regularization rate
0.03
Problem type
Classification
DATA
Which dataset do you want to use?
Ratio of training to test data: 80%
Noise: 0
Batch size: 10
REGENERATE
FEATURES
Which properties do you want to feed in?
X1
X2
X1²
X2²
X1X2
sin(X1)
sin(X2)
1 HIDDEN LAYER
3 neurons
This is the output from one neuron. Hover to see it larger.
OUTPUT
Test loss 0.034
Training loss 0.034
Colors shows data, neuron and weight values.
-1
0
1
Show test data
Discretize output